

# Former Accutherm, Inc. Site

Franklin Twp., New Jersey

## Remedial Investigation and Remedial Action Selection

Term Contract No.  
A-60243

Submitted to:



**STATE OF NEW JERSEY**  
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Environmental Protection  
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## 1.0 INTRODUCTION

The Louis Berger Group, Inc. (Berger) has prepared this Remedial Investigation Report (RIR) on behalf of the New Jersey Department of Environmental Protection (NJDEP). This RIR documents the findings of a Remedial Investigation (RI) conducted at the Former Accutherm Site (the Site, a.k.a. Kiddie Kollege) located in Franklin Township, Gloucester County, New Jersey (Figure 1). The RI was completed by Berger in association with their state-wide contract with the New Jersey Department of Environmental Protection (NJDEP) to perform site-specific Remedial Investigations and Remedial Action Selection (RI/RAS) at multiple sites throughout the state (NJDEP Term Contract A-60243).

The Site consists of a 0.41-acre parcel currently owned by Jim Sullivan, Inc. and situated on the southwest corner of Delsea Drive (Route 47) and Station Avenue. From 1984 through approximately 1994, the Site was owned and operated by a mercury thermometer manufacturer, Accutherm, Inc. The property was purchased by the current owner in 2002, and the existing on-site structure was subsequently renovated for use as a day care center.

The NJDEP learned that the Site was being used as a child day care facility, named Kiddie Kollege, during off-site reconnaissance on April 11, 2006. The Kiddie Kollege was closed by its operators on July 28, 2006 in response to NJDEP concerns about mercury contamination. A Preliminary Assessment Report (PAR), dated August 17, 2006, was prepared for the Site on behalf of Jim Sullivan, Inc. by Brinkerhoff Environmental Services, Inc. (Brinkerhoff). Based on the findings documented in the Brinkerhoff PAR (summarized below in Section 2.2), potential environmental concerns were identified at various locations throughout the Site which require investigation to satisfy NJDEP's *Technical Requirements for Site Remediation, NJAC 7:26E* (NJDEP, 2005) and to provide sufficient data to develop recommendations for additional investigation and/or remedial actions.

Based on the previous PAR and with the guidance of NJDEP, Berger initially prepared the *Site Sampling and Investigation Plan* (SSIP) (Berger, 2007) to act as a detailed guide to the investigative activities of the RI. The SSIP provided an approach to investigate and document the surface and subsurface conditions at the Site, and provide the information needed to evaluate potential remedial actions. The RI was implemented in accordance with the SSIP to provide the data needed to fulfill the following primary objectives:

- Further investigate the presence of mercury within the existing on-site building;
- Inspect all identified potential sources of soil or groundwater contamination;
- Analyze soil quality where suspected sources of contamination are identified; and
- Characterize the quality and flow direction of groundwater beneath the Site.

This RIR provides a discussion of the Site background and physical setting, a description of the RI activities conducted at the Site and associated findings, and a summary of conclusions and recommendations.

## **2.0 BACKGROUND**

The Former Accutherm, Inc. Site has historically been used as mercury thermometer manufacturing facility from the early 1980s until the early 1990s when it was sold and renovated into a day care center. The background information provided in this section is based on files made available to Berger by the NJDEP. Section 2.1 presents a summary of the site history, and Section 2.2 presents a summary of previous investigations conducted at the Site.

### **2.1 Site History**

Based on information provided in the Brinkerhoff PAR, the Site was occupied by a single residence and small associated sheds until sometime between 1975 and 1980, when the existing one-story structure was constructed. An application for construction of an individual water supply system, filed with the Gloucester County Department of Health in May 1978, listed the type of building to be served as a “newspaper office.” Reportedly, when Accutherm, Inc. purchased the property in 1984, the Site had already been utilized for the manufacturing of mercury thermometers and related instruments. Accutherm ceased operations at the Site in 1994. The property was purchased by the current owner in 2002, and the existing on-Site structure was subsequently renovated. Unfortunately, the Kiddie Kollege child daycare facility started operating at the Site in February 2004. The NJDEP learned that the Site was being used as a child care facility during off-site reconnaissance on April 11, 2006. Based on the findings of Brinkerhoff’s July 2006 indoor mercury investigation, the property owner, current tenant (daycare), and local officials were advised by the NJDEP on July 28, 2006 that the building should not be inhabited until further notice.

### **2.2 Previous Investigations**

Accutherm, Inc. occupied the Site between the early 1980’s and 1994, during which several environmental violations were documented. On November 30, 1987, the Gloucester County Health Department notified Accutherm that the volatile organic compound (VOC) tetrachloroethene (PCE) had been detected at 1.8 µg/l in a water sample collected from the on-Site potable well. At the time, this concentration called for no immediate action; however, an alternative water source or treatment was recommended for long term use. On December 18, 1987, a complaint was filed with the Gloucester County Health Department that employees had high mercury levels. Subsequent blood analysis showed mercury concentrations in six

employees at levels up to 33.0 micrograms per deciliter. A letter from the NJDEP to Accutherm, dated April, 13, 1988, documented that naphtha, aromatic hydrocarbons, volatile organic compounds, and petroleum hydrocarbons had been identified in the on-Site septic system. As a result, the NJDEP ordered that discharges of industrial pollutants to the septic system be ceased.

When Accutherm filed Chapter 11 bankruptcy in early 1994, the requirements of the Industrial Site Recovery Act (ISRA) were triggered; however, the company failed to comply with the ISRA requirements. An environmental investigation was conducted on the property on behalf Midlantic National Bank, which held the mortgage on the property. Free phase mercury was observed inside the building, and mercury vapors were detected in excess of OSHA and NIOSH standards for industrial facilities. On September 28, 1994, Accutherm was advised to immediately post inhalation hazard warning signs on the Site. The signs had not been posted by August 1995.

At the request of the NJDEP, USEPA Region II prepared a Mini Pollution Report on the Site in January 1996. The report concluded that “based on completed air monitoring, soil sample analysis, wipe sample analysis, and the condition and security of the building and surrounding property, the site does not present an immediate threat to human health or the environment.” However, the report did state that “several small droplets of Hg were located on the floor” within a former production room. In addition, two surface soil samples had mercury concentrations of 128 mg/kg near the north side (front) of the building, and 4.2 mg/kg near the southeast corner of the building. The current NJDEP residential direct contact soil cleanup criteria is 14 mg/kg.

Following the identification of the Site being occupied as a day care center, the NJDEP issued a letter to the property owner requesting potable well sampling, the evaluation of the building interior for the presence of mercury, and a Preliminary Assessment/Site Investigation (PA/SI).

On June 8, 2006, raw and treated water samples were collected by Cape Environmental Laboratory from the on-Site potable well. Although the raw water had concentrations of lead and alpha radionuclides exceeding the current NJDEP drinking water standards, no exceedances were detected in the finished water. PCE was also detected in the raw water sample, at 0.52 µg/l, which is below the drinking water standard of 1 µg/l.

Preliminary results of an indoor mercury investigation, conducted by Brinkerhoff at the Site in July 2006, identified mercury vapors at concentrations between 7.0 and 11.4 µg/m<sup>3</sup> on the first floor, and 42.7 µg/m<sup>3</sup> in the basement. Wipe samples collected throughout the building had



results between non-detectable and 7.4 µg/wipe. Based on these findings, it was determined that the building was not fit for occupancy. A final sampling plan for the building interior was implemented by Brinkerhoff on August 10, 2006. The analytical results of the collected air samples identified concentrations on the first floor of the building up to 13 µg/m<sup>3</sup>, and within the basement up to 200 µg/m<sup>3</sup>. The highest wipe concentration was found to be collected from the floor outside of the basement stairway, at 9.0 µg.

On August 9, 2006, Brinkerhoff sampled 4 potable wells at residences in the immediate vicinity of the site. The samples were analyzed for mercury, lead, and VOCs. NJDEP later conducted follow-up sampling at 3 of the residences. No mercury was detected in any of the wells. One residence had a slight exceedance of the NJDEP Ground Water Quality Standard (GWQS) for vinyl chloride (a VOC), which was confirmed in a second sample. That residence was made eligible for a Spill Fund Claim to have a treatment device installed. NJDEP also confirmed that 2 wells at the Iona Trailer Park (located directly south of the site) were sampled for mercury in September 2006, with no mercury detected.

A PAR for the Site was completed by Brinkerhoff on August 17, 2006, which identified several areas of environmental concern (AOCs) requiring further investigation. Refer to the PAR for additional information. The timeline for the Site (Appendix A) also provides more detailed information regarding previous investigations.

### **3.0 PHYSICAL SETTING**

The Site is located at 162 Station Avenue (formerly 1600 Delsea Drive), at the southwest corner of Delsea Drive and Station Avenue in Franklin Township, Gloucester County, New Jersey. The coordinates of the Site are approximately 39°36'12" north latitude, and 74°04'09" west longitude. The Site is composed of a 0.41-acre lot that is designated by the Township of Franklin as Lot 1 of Block 4111. Currently, a one-story building occupies the center portion of the lot, and is surrounded by asphalt pavement. Figure 1 depicts an annotated U.S.G.S. 7.5-minute quadrangle (Newfield, NJ) showing the site location, local topography, surface water, and cultural features. Additionally, a site plan illustrating the property features is presented as Figure 2.

Although the surrounding land is primarily residential, an office building is situated north of the Site. To the east, across Delsea Drive, a residence and an unimproved lot are present. Residences lie to the west of the Site. The lots bordering the southern edge of the Site are unimproved.

#### **3.1 Topography and Drainage**

The Site is situated at an elevation of approximately 112 feet above mean sea level (amsl) and slopes gently to the south. Based on a review of the local topography, the Site is located just east of a drainage divide between Little Ease Run (to the west) and Scotland Run (to the east). Overland drainage is expected to flow south-southeast towards Scotland Run, located approximately 0.5 miles away. Both Little Ease Run and Scotland Run are ultimately tributaries of the Maurice River, and are classified as a fresh water/non-trout water bodies (FW2-NT) by the NJDEP Surface Water Quality Standards (N.J.A.C. 7:9B, 2005). The Maurice River Watershed drains 386 square miles of land within the Delaware Bay Drainage Basin (Drainage Basin Map of New Jersey, 1972).

#### **3.2 Climate**

The climate of this region is temperate-humid, with warm summers and moderate winters. The high temperature in the summer seldom exceeds 100°F and the low temperature in the winter rarely drops below 0°F. The temperature from late May through early September consistently reaches 90°F, and the mean annual temperature is 54°F. Precipitation averages 44 inches per year with the heaviest amounts typically falling in the summer months (NOAA, 2006).

### 3.3 Soil and Geology

According to the *Soil Survey of Gloucester County, New Jersey* (USDA, 2007), the Site is underlain by the Aura sandy loam, which is formed in alluvial deposits. The Aura sandy loam is gentle to moderate sloping and well-drained, with moderately slow to rapid permeability and a moderate water capacity. The *Surficial Geologic Map of Central and Southern New Jersey* (Newell et al., 2000) shows that the Site is underlain by the Bridgeton Formation, which is fluvial in origin and consists of sand, gravel, silt, clay, cobbles and boulders. The Bridgeton dates to the Miocene Epoch, and is estimated to be approximately 20 feet thick in the vicinity of the Site.

According to the *Bedrock Geologic Map of Central and Southern New Jersey* (Ownes et al., 1998), the Cohansey Formation underlies the (Bridgeton) surficial deposits beneath the Site. Also Miocene in age, the Cohansey Formation is comprised of white to yellow sand with local gravel and clay, and is typically crossbedded. Staining to red or orange brown by iron oxides may occur locally. The Cohansey is estimated to be approximately 50 feet thick beneath the Site, and is underlain by the lower member of the Kirkwood Formation, which is described as massive to thick-bedded yellow to white sand (upper facies) and clay (lower facies).

Soil recovered during the RI activities to approximately 30 feet below ground surface (bgs) were consistent with the above descriptions, and generally consisted of dark yellowish orange to light brown coarse to fine sand with little fine gravel.

### 3.4 Hydrogeology

During the installation of monitoring wells as part of the RI field effort, groundwater was encountered at a depth of approximately 23 feet bgs. Based on groundwater elevation data obtained from the monitoring wells installed during the RI, groundwater beneath the Site generally flows south towards Scotland Run, with a south-southeast flow component in the eastern portion of the property. The shallow groundwater flow regime may also be locally influenced by pumping wells used for domestic water supply.

## 4.0 TECHNICAL OVERVIEW AND FINDINGS

The RI field effort was conducted between May and July 2007. Activities addressing on-site contamination and outstanding data gaps identified during previous investigations were performed in accordance with the NJDEP-approved SSIP (Berger, 2007). Implementation of the activities and the associated findings are described below.

All on-site sampling and investigation activities were performed in accordance with the *New Jersey Technical Requirements for Site Remediation* (NJDEP, 2005), the *New Jersey Field Sampling Procedures Manual* (NJDEP, 2005), and, where applicable, other relevant or appropriate USEPA regulations and guidance for conducting investigations at uncontrolled hazardous contamination sites. All field activities were performed in accordance with procedures set forth in the NJDEP-approved *Programmatic Health and Safety Plan* (HASP, Berger, 2006) and *Site-Specific Health and Safety Plan* (SSHASP) (Berger, 2007).

### 4.1 Geophysical Survey

Berger retained Advanced Geologic Services, Inc. (Advanced) to perform preliminary geophysical surveys of the Site prior to excavation and drilling. The surveys were conducted for two general purposes: 1) to determine the presence and location of subsurface structures and anomalies including the septic system/disposal fields and associated drain lines, the potable well, potential USTs, and other subsurface structures throughout the Site; and 2) to determine the approximate location, depth, and orientation of subsurface utilities. Subsurface utilities can present a drilling hazard during the investigation and act as a pathway for the migration of any contamination occurring in the proximity of utility trenches. The full geophysical report is presented as Appendix B.

The geophysical survey method used at the Site was a combined electromagnetic (EM) and ground penetrating radar (GPR) survey. EM data were collected in an approximate 5-foot grid pattern, during which real time positioning was achieved using a sub-meter accuracy global position system (GPS) integrated with the EM instrument. GPR data were collected as needed based on the initial EM results (i.e., to further investigate any EM anomalies). Features and anomalies identified during the geophysical survey are discussed below in the appropriate subsections.

## **4.2 Building Interior Assessment**

A Building Interior Assessment was performed to further investigate the presence of mercury within the existing on-site building and evaluate whether cleaning and abatement of the facility is an alternative to demolition. The full Building Interior Assessment Report is provided in Appendix C.

The assessment included an inspection using real time monitoring equipment, sampling of building finishing and structural materials, and surface wipe sampling. The data obtained via all of these methods showed a general increase in mercury concentration from the attic crawlspace to the basement.

Mercury vapor monitoring and wipe sampling results indicated the greatest mercury contamination near the southeast corner of the basement (305 ug/m<sup>3</sup> and 24,000 ug/wipe, respectively). Elevated mercury vapor concentrations were detected directly above this hot spot, in the southeast corner of the kitchen (first floor) and southeast corner of the attic crawlspace. In addition, bulk samples collected from within the kitchen revealed consistently higher levels of mercury than the rest of the first floor.

In conclusion, both the structural and finishing building materials were confirmed to be contaminated with mercury. Bulk material and surface wipe sampling revealed the consistent presence of mercury contamination on the original porous exterior walls and framing materials, as well as the finishing materials used to build the daycare facility. The highest bulk mercury concentrations were detected in the samples collected from the basement concrete wall (90, 170, and 230 mg/kg, respectively). Based on these results, it is likely that relatively high concentrations of mercury are present in the porous building materials throughout the basement.

## **4.3 Soil Investigation**

Due to the documented prior use of the facility for thermometer manufacturing, and reported disposal practices, the potential for soil contamination was determined to exist at the Site. Soil samples were collected for laboratory analysis to document the presence of any contamination resulting from the identified concerns. These soil samples were collected from expository excavations, soil borings, and shallow sample locations, and were analyzed by Hampton-Clarke/Veritech (NJDEP Certification #14622) of Fairfield, New Jersey for contaminant compounds applicable to each environmental concern. A sample location plan is provided as



Figure 3. A soil sample summary table, which includes all of the soil samples collected during the RI activities, is presented as Table 1.

The analytical results of all soil samples collected during the sampling events are presented on Tables 2a through 2d. The analytical results were evaluated with respect to the *NJDEP Residential Direct Contact (RDCSCC), Non-Residential Direct Contact (NRDCSCC) and Impact to Groundwater (IGWSCC) Soil Cleanup Criteria* (revised 5/12/99). For each individual chemical compound, the most stringent of the three sets of criteria comprises the NJDEP's *Unrestricted Use Soil Cleanup Criteria (SCC)*, which was used to identify soil contaminant exceedances. No compounds were detected in excess of the SCC in any of the soil samples collected during the RI.

#### **4.3.1 Exploratory Excavations**

A total of seven exploratory test pits were excavated during the RI using a rubber tire backhoe (Figure 3). Each excavation was approximately three (3) feet wide; however, the length and total depth varied as conditions warranted. All excavated soil was temporarily stockpiled adjacent to the test pits and visually inspected for evidence of contamination, field screened with a PID and MVA, and classified according to the Burmister Soil Classification System (Burmister, 1949). Excavation logs were recorded to document subsurface conditions including soil type/color, PID readings, depth to groundwater, contaminant observations/odors, and dimensions of each test pit (Appendix D). Following completion of soil sample collection for analysis, the excavated soil was then used to backfill the excavations in the reverse order from which it was dug (the soil last removed backfilled first, and soil first removed backfilled last).

No elevated PID or MVA measurements were observed as the test pits were excavated. Soil samples were collected from each of the test pits using a stainless steel trowel. Refer to Figure 3 and Table 1 for the location and depth from which each soil sample was collected from the excavations. The samples were shipped under chain of custody to Hampton-Clarke/Veritech, and all of the samples were analyzed for mercury, total petroleum hydrocarbons (TPH) and target compound list volatile organics plus a library search (TCL VOC+10).

Analytical results of the soil samples collected from the exploratory excavations are summarized on Table 2a. The following subsections provide area-specific discussions of the exploratory excavation activities.

### Drain From Laboratory

According to the Brinkerhoff PAR, a drain was identified in the former laboratory (currently the bathroom/kitchen area), which may have received process waste materials during the former Site operations. The drain leads through the basement and to the building exterior. During the geophysical survey, the drain line could not be traced beyond the basement, and further investigation of the line was incorporated into the investigation for Suspected Areas of Discharge. Two trenches (TP02 and TP03) were excavated in the area, but the drain line could not be found. Soil sampling conducted within these trenches and the associated findings are summarized below in the Suspected Areas of Discharge subsection.

### Septic System

Sanitary sewage and alleged wastes from mercury thermometer manufacturing processes were reportedly discharged to the Site's original septic system between the early 1980s and 1994. During this time, the system consisted of one septic tank and one leach field. Prior analysis of soil and aqueous samples collected from the original septic system and disposal field revealed the presence of mineral spirits, naphtha, aromatic hydrocarbons, VOCs, mercury, and petroleum hydrocarbons.

Figure 2 depicts the location of the original septic tank (still in place), as well as the original leach field. On July 24 2002, the Gloucester County Health Department (GCHD) issued the Site a license to operate a septic system based on the completion of an alteration/malfunction upgrade. The upgrade included the connection of a new leach field (12 feet by 52 feet) to the existing septic tank of the original system (Figure 2). The original leach field was bypassed, and reportedly abandoned in place. Subsequently, a permit application for an additional alteration/expansion upgrade was approved by the GCHD on December 15, 2003. The application included the proposed addition of a 500 gallon septic tank and eight-foot wide disposal field expansion. Based on conversations with a representative of the GCHD, this upgrade was required for the planned use of the Site as a day care facility. Although it was previously understood that the upgrade was completed and that a new septic tank was installed, the GCHD representative indicated that the additional work was never completed. No evidence of a second septic tank or expanded disposal field was found during the RI.

As shown on Figure 3, the abandoned laterals and leach field for the original septic system were located during the geophysical survey, and test pit TP07 was excavated in an effort to confirm

the laterals and investigate the surrounding soil. Three perforated PVC laterals measuring approximately 4 inches in diameter and spaced approximately 5 feet apart were uncovered. These three laterals were observed to connect to the delivery lateral joining the original septic tank and the new leach field. The laterals were cut and removed within approximately two feet of the delivery lateral, and capped. The excavation was advanced to approximately 4.5 feet below ground surface (bgs), where native material was encountered. Five soil samples were collected from TP07 as shown on Figure 3 (sample IDs TP07A through TP07E). The samples were collected at a depth of 4.0 to 4.5 feet bgs, from native soil encountered just below the leach field infiltrate. No exceedances of the SCC were detected in any of the soil samples collected from TP07 (Table 2a).

### Suspected Areas of Discharge

The Site was unpaved while Accutherm, Inc. was in operation (early 1980s through 1994). Wastes from the former mercury thermometer manufacturing processes were allegedly discharged to the ground surface along the southern side of the existing building. This area was paved, along with a majority of the Site, prior to the changed use of the Site to a child daycare facility. Due to reports of alleged dumping along the southern side of the building, further investigation and soil sampling was warranted. Two shallow trenches (TP02 and TP03) were excavated between the south wall of the building and the southern property boundary (Figure 3). Soil samples were collected from five locations per trench and two depth intervals per location (10 samples from each trench).

Additional exploratory excavations were dug to investigate the areas of the highest mercury concentrations identified by the USEPA in their January 1996 Mini Pollution Report. The USEPA sample AS-6 (with mercury at 128 mg/kg) was collected approximately 12 feet from the northern edge of the building. Two trenches (TP01 and TP06) were excavated in this area during the RI. Soil samples were collected from three locations per trench and two depth intervals per location (six samples from each trench). Sample AS-2 (with mercury at 4.2 mg/kg) was collected during the previous USEPA investigation near the southeast corner of the building. One test pit (TP05) was excavated in this area, and four soil samples were collected for analysis.

One additional test pit (TP04) was excavated at the request of the NJDEP based on the observed evidence of mercury contamination in the southeast interior of the building. Test pit TP04 measured approximately three feet wide and nine feet long and was advanced to a depth of approximately 7.5 ft bgs. Similar to all other soil screened within the exploratory excavations

throughout the Site, no elevated PID or MVA measurements were observed. Two soil samples were collected for confirmatory purposes. Again, similar to all other soil samples collected during the RI, no exceedances of the SCC for any contaminants were identified (Table 2a).

During the geophysical survey, an anomaly was identified along the western side of the building (“Anomaly A,” as referenced by Advanced in Appendix B). Test pit TP08 was excavated in this area to further investigate the anomaly. No evidence of a UST or other subsurface structure was found. Another geophysical anomaly (“Anomaly D”) was found in the northeastern portion of the Site. The anomaly appeared to be situated beneath an existing gas main, and may have been due to components of the gas line itself, or the effects of the gas line trench. For safety purposes, no subsurface activities were conducted to investigate Anomaly D.

#### **4.3.2 Direct Push Soil Borings**

Using a direct push drill rig, a total of 13 soil borings were advanced during the RI field effort. Each boring was terminated at approximately 12 feet bgs, and a continuous two-inch diameter core of soil was recovered via disposable acetate sleeves. Each soil interval was visually inspected for evidence of contamination and field-screened with a PID and MVA. All recovered soil was classified according to the Burmister Soil Classification System (Burmister, 1949), and logs were recorded to document subsurface conditions including soil type/color, PID readings, depth to groundwater, and drilling specifications (Appendix D). The analytical results of the soil samples collected from the direct push soil borings are summarized on Table 2b. The borings were advanced to investigate soil adjacent to the building foundation and the new septic disposal field, as described below.

##### Soil Adjacent to Building Foundation

Due to the known presence of mercury in the basement of the existing building, it was suspected that soil adjacent to the concrete building foundation were also impacted. Eight soil borings (SB1 through SB8) were advanced around the perimeter of the building as shown on Figure 3. Two soil samples were collected from each boring as follows (refer to Table 1):

- One shallow sample was collected from a depth of 6 to 12 inches bgs for mercury and TPHC analysis, and from 18 to 24 inches bgs for TCL VOC+10 analysis.
- One deeper sample was to be collected from the 6-inch interval most suspected of contamination, to a maximum depth of 10 feet bgs.

- However, evidence of contamination was not observed in any recovered soil; therefore, the sample was collected from the six-inch interval corresponding to the invert of the building foundation (approximately 8.0 to 8.5 feet bgs). The deeper sample was also submitted for mercury, TPHC, and TCL VOC+10 analysis.

No compounds were detected in excess of the SCC in any of the soil samples (Table 2b).

### Septic System

In an effort to assess the soil quality in the area of the new septic disposal field, five soil borings (SB9 through SB13) were advanced within two feet of the edge of the field and angled in an effort to collect samples from below the infiltrative surface. No elevated PID or MVA measurements were observed in any recovered soil. One soil sample was collected from each boring at a depth of approximately 4.0 to 4.5 ft bgs, which corresponded to the six-inch interval beneath the infiltrative layer of the disposal field. The soil samples were submitted for mercury, TPHC, and TCL VOC+10 analysis. It is noted that the VOC portion of each soil sample was collected from a depth of 9.5 to 10.0 ft bgs (in accordance with N.J.A.C. 7:26E). No exceedances of the SCC were identified in any of the soil samples (Table 2b).

### **4.3.3 Shallow Soil Sampling**

Shallow soil samples were collected during the RI at a total of 26 locations. The samples were collected from the first 24-inch depth interval at each location (0 to 0.5 ft bgs for mercury and TPHC analysis and 1.5 to 2.0 ft bgs for TCL VOC+10). Select sample locations were only submitted for mercury analysis. No elevated PID or Jerome MVA measurements were observed during the collection of any of the samples.

To further investigate potential dumping outside of the building during former operations, 10 shallow soil samples (HA1 through HA10) were collected along the western and southern property boundaries of the Site on May 8 and May 15, 2007. Subsequent boundary surveying showed that all 10 of those sample locations were on the neighboring properties. At the request of the NJDEP, two background soil samples (HA11 and HA12) were also collected from the front lawn of the Franklin Township municipal building, located approximately one mile south of the Site along Delsea Drive (see Figure 1).



In January 2007, the NJDEP had collected 12 offsite shallow soil samples (S1 through S12), generally to the south and west of the Site. The 12 samples were submitted for mercury analysis only. Two additional samples were later collected in the same area by Berger during the RI to supplement these results (HA13 and HA14).

Table 2c shows the analytical results of the shallow soil samples collected by Berger during the SI, and Table 2d shows results of the samples collected by the NJDEP. The laboratory analyses did not reveal any exceedances of the SCC.

## **4.4 Groundwater Investigation**

In order to fill groundwater flow data gaps and better characterize the Site's groundwater quality, five monitoring wells were installed at the Site and sampled. Four wells (MW01, MW03, MW04, and MW05) were installed near the four corners of the Site, and MW-2 was installed near the center of the Site, just north of the existing building (Figure 3).

### **4.4.1 Monitoring Well Installation**

The five monitoring wells were installed to a depth of 28.0 feet bgs using hollow-stem auger drilling techniques. Split spoon samples were collected from select depth intervals to aid in the identification of the water table, which was encountered at approximately 20 feet bgs. Each monitoring well was constructed with 2-inch schedule 40 PVC casing threaded into a 10-foot length of PVC well screen intersecting the water table (screen size = 0.010 inch), and capped at the bottom. The annular space between the PVC and the wall of the borings was filled to a depth corresponding to 2 feet above the well screen with size #1 well gravel. A layer of fine sand (size #00) was then installed, and then the remainder of the annulus was sealed with grout. A vented, locking well plug was installed at the top of the PVC riser (Master Lock No. 2010). Monitoring wells MW01 and MW02 were completed as flushmounts, and MW03 through MW05 were completed as stickups. Following monitoring well installation, each well was developed until a near turbid-free discharge was achieved. All well construction activities were performed by a New Jersey licensed well driller of Uni-Tech Drilling, Inc. of Malaga, New Jersey under the oversight of Berger personnel. Copies of all drilling logs, well permits, records, and certification forms are included in Appendix E.

#### 4.4.2 Groundwater Sampling and Analysis

Two groundwater sampling events were conducted at the Site during the RI. The first round was conducted on June 18 through June 19, 2007 and the second round was conducted on July 31, 2007. A summary of all groundwater samples collected during the sampling event is presented on Table 4 and the purge logs are provided in Appendix F.

Prior to sampling, depth to water measurements were collected from all site wells. As each monitoring well plug was removed, a headspace vapor reading was recorded with a PID. Water levels were then measured from the top of the PVC well casing. These water level readings were subsequently subtracted from the surveyed well elevations to establish a water level elevation at each location. Table 3 shows the groundwater elevations as measured on these dates. As depicted on the Groundwater Elevation Contour Map for the June 2007 sampling event (Figure 4), shallow groundwater beneath the Site generally flows south, with a south-southeast flow component in the eastern portion of the property. The groundwater elevation data for the July 2007 event showed very similar results.

Subsequent to the water level measurement at each well, groundwater samples were collected by low flow purging and sampling technologies in accordance with the NJDEP *Field Sampling Procedures Manual* (2005). Dedicated Teflon®-lined tubing was installed and connected to a QED SamplePro® bladder pump with a disposable Teflon bladder. Pumps were placed at the mid-point of the water column. A low-flow purge was initiated and maintained at a pumping rate not in exceedance of 500 ml/min. A continuous flow was monitored for pH, dissolved oxygen, turbidity, conductivity, redox potential, and temperature. Additionally, water levels, pump depth, purge rates/times, sampling times, and weather were recorded on purge logs (Appendix F). After well purging and water stabilization requirements were met, groundwater samples were collected directly from the effluent (prior to flow-through apparatus). All groundwater samples were submitted for TCL VOC+10 and priority pollutant (PP) metals analysis.

The analytical results of the groundwater samples collected during the June 2007 and July 2007 sampling events are summarized on Tables 5a and 5b, respectively. During the first round of sampling, monitoring wells MW02 and MW03 exhibited contaminant concentrations above the GWQS. Specifically, MW02 exhibited arsenic (18 µg/l), chromium (83 µg/l) and lead (26 µg/l) above the GWQS of 3 µg/l, 70 µg/l and 5 µg/l, respectively. While purging, this well exhibited

high turbidity readings that were out of range (999 NTUs; Appendix F). MW03 exhibited methylene chloride at a concentration of 3 µg/l, which is the GWQS for this contaminant.

The analytical results of the second round of sampling (Table 5b) identified contaminant concentrations above the GWQS in monitoring wells MW02, MW03, MW04, and MW05. Lead was detected in MW02 at a concentration of 6.9 µg/l, which is above the GWQS of 5 µg/l, and mercury was detected in MW05 at 2.6 µg/l, above the GWQS of 2 µg/l. High turbidity was again measured while purging monitoring well MW02 (999 NTUs, i.e., out of range). Monitoring wells MW03 and MW04 showed methylene chloride concentrations of 3.4 µg/l and 4.9 µg/l, respectively, above the GWQS of 3 µg/l. In addition, methylene chloride was detected at 3.3 µg/l in the trip blank.

#### **4.5 Septic Tank Sampling**

The septic system for the Site is located in the northeastern portion of the property (Figure 2). The layout of the septic system components was determined through inspection and the geophysical survey. The septic tank was accessed by the cleanout manholes in the asphalt parking lot. One sludge sample (SS01) and one liquid sample (SL01) were collected from the septic tank and analyzed for mercury, lead, TPHC, TCL VOC+10, and base/neutrals plus a library search (TCL BN+15) (Table 6). The analytical results of the solid septic sample were compared with the SCC (Table 7a), and the results of the liquid sample were compared with the GWQS (Table 7b). It is noted that these criteria were selected for comparative purposes only. The septic tank was observed to be fully lined with concrete. Mercury was detected above the GWQS in the liquid sample SL01 at 24 µg/l. No other compounds were detected above the selected comparative criteria.

#### **4.6 Brick Well Sampling**

During the geophysical survey, an anomaly was identified in the asphalt parking area to the east of the building. Further investigation using a rubber tier backhoe revealed the presence of a hand dug brick well. The well was observed to be approximately three feet in diameter and approximately 22 feet deep. During the initial investigation on May 17, 2007, approximately 0.5 inches of water was observed in the well. A temporary steel road plate was then placed over the well for safety purposes. The well was uncovered on June 18, 2007 with the intention of collecting a groundwater sample; however, the well was observed to be dry. One solid “soil”

sample (BW-1) was collected from the bottom of the well at a depth of approximately 22.0 to 22.5 feet bgs. The steel plate was placed back over the well after sampling was completed. No elevated PID or Jerome MVA measurements were observed in the recovered soil. The sample was analyzed for mercury, lead, TPHC, TCL VOC+10, and TCL BN+15 (Table 6). The analytical results of the brick well solid sample are included on Table 7a. No compounds were detected above the SCC.

As of the preparation of this RIR, it is anticipated that the well will be closed by a licensed well driller in accordance with N.J.A.C. 7:9D-3.3. If possible, a groundwater sample will also be collected from the well. Documentation of the well closing, as well as the results of the groundwater sample (if obtained), will be forwarded to the NJDEP upon completion.

#### **4.7 Potable Well Investigation**

The Site is serviced by a potable well reportedly situated near the southwestern corner of the property. The permit for the well (No. 31-13520) was approved by the NJDEP on May 15, 1978. An application for the construction of an individual water supply system, approved by the Gloucester County Health Department on May 8, 1978, lists the proposed well as being constructed with two-inch casing, with an open borehole from 55 to 60 feet bgs. However, other references indicate that the well has a total depth of 70 feet.

An effort was made to document the location of the potable well during the RI. The pump for the well was identified in the building basement, and during the geophysical survey, an attempt was made to trace the water line south from the basement to the exterior; however, the line could not be traced far (likely due to the pipe construction changing to a non-conductive material). The geophysical subcontractor did observe an anomaly in the southwest corner of the Site (“Anomaly B,” as referenced by Advanced in Appendix B). The anomaly was thought to be the location of the potable well, and during the excavation of TP02, a two-inch black polyethylene water line was encountered in the bottom of the trench at approximately four feet bgs. The water line was accidentally broken; however, it was repaired by the drilling/excavation subcontractor using a PVC pipe section prior to backfilling the trench. The approximate location of the water line is shown on Figure 2. The water line was not encountered while excavating TP03; therefore, based on discussions with the NJDEP on-site, the well may be located between trenches TP02 and TP03 (Figure 2).

## **4.8 Site Survey and Mapping**

In order to plot the vertical and horizontal locations of all sampling points, groundwater levels, and any other pertinent site features on a single, accurate site plan, a ground survey was conducted during the RI. Locations of soil sample collection points, test pit excavations, soil borings, and monitoring wells were surveyed for horizontal and vertical location to the nearest 0.01-foot accuracy. All horizontal data were surveyed in the New Jersey State Plane Coordinate System (NAD83), and elevations surveyed in the North American Geodetic Vertical Datum (NAGVD88).

## **4.9 Well Search**

All properties in the vicinity of the Site are serviced by private domestic potable wells. A request was filed with the NJDEP Bureau of Water Allocation (BWA) to perform a file search of all records pertaining to monitoring wells and domestic wells within a one-half mile radius of the Site and any industrial, public supply, irrigation wells, and wells with water allocation permits within a one-mile radius of the Site. The well search files were received from the BWA on November 9, 2007, and are included in Appendix G.

In addition, the Gloucester County Health Department (GCHD) was contacted to determine whether any additional sources of information are available with regard to wells in the area of the Site. A representative indicated that the GCHD keeps records of potable wells that have been installed within approximately the past 20 to 30 years, but that their files consist of the same State permits and records as those available through the BWA. Supplemental GCHD inspector's notes may be available for particular wells, with recorded depths and other field measurements that were recorded at the time of installation. With regard to local water purveyors, the GCHD representative indicated that there is no public water supplied within Franklin Township, with the exception of a small area within Newfield, which is located approximately 4.5 miles south-southeast of the Site.



## 5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of the RI, conclusions and recommendations are provided below for site soil, groundwater, and the existing building. In addition, approximate cost estimates are provided for remedial options considered to be viable for the Site.

### 5.1 Soil

Soil samples collected during the RI from exploratory excavations, soil borings, and surface locations did not reveal any exceedances of the NJDEP *Unrestricted Use Soil Cleanup Criteria* (SCC) for mercury or any other contaminants. The RI revealed no evidence of contaminant migration from the building interior, or of the alleged disposal of wastes from mercury thermometer manufacturing processes to the exterior ground surface. Although an effort was made to collect soil samples as close as possible to the building foundation, further soil sampling is recommended should the existing building be removed (including beneath and around the foundation).

### 5.2 Groundwater

Groundwater sampling from five newly installed permanent monitoring wells showed the presence of arsenic, chromium, lead, mercury, and methylene chloride above the GWQS. Arsenic, chromium, and lead were only detected above criteria in only one monitoring well, MW02, which is an upgradient well. These metals exceedances were likely the result of suspended sediments from the surrounding formation, as evidenced by the high turbidity observed while purging MW02 during both rounds (Appendix F). In addition, it is noted that only lead exceeded the GWQS in MW02 during the second round; arsenic and chromium were not detected. Methylene chloride was detected during both rounds of sampling, but it is likely a laboratory contaminant. The only potential contaminant of concern identified in groundwater was mercury, which is known to be a site-related contaminant, and was detected during the second round of sampling in MW05 at 2.6 µg/l, slightly above the GWQS of 2 µg/l. No other analytes were detected above the GWQS in the samples collected from monitoring well MW05.

A liquid sample collected from the septic tank during the RI revealed the presence of mercury at 24 µg/l. It is noted that MW05 is located downgradient of the “new” septic leach field. The identified presence of mercury in the septic tank may be a residual source of the mercury

detected slightly above the GWQS in MW05. Two scenarios regarding the septic system are included in the remedial options outlined below: 1) cleaning of the septic tank and the removal of the leach field; and 2) removal of the entire septic system. With either alternative, the existing monitoring wells could be used to provide continued monitoring of the groundwater.

### **5.3 Building Interior**

The results of the Building Interior Assessment confirmed that both the structural and finishing building materials are contaminated with mercury. Bulk material and surface wipe sampling revealed the consistent presence of mercury contamination on the original porous exterior walls and framing materials, as well as the finishing materials used to build the daycare facility. The highest bulk mercury concentrations were detected in the samples collected from the basement concrete wall (90, 170, and 230 mg/kg, respectively).

Based on research of other mercury-contaminated sites and conversations with environmental cleanup contractors regarding viable remedial options for the building, two options were assessed: 1) demolition; and 2) decontamination for reoccupancy. For comparison purposes, approximate cost estimates are provided for these two options on Tables 8a and 8b, respectively, and further details are provided in the following subsections.

#### **5.3.1 Demolition**

The demolition option cost estimate (Table 8a) assumes that all components of the building are mercury-contaminated, and will require off-site disposal at a licensed facility. The estimated 550 tons of mercury-contaminated building materials would include the concrete foundation, the exterior structure-supporting brick and cinder block walls, and the interior frame and finishing components. A maximum concentration of 260 mg/kg mercury is also assumed, as exceedances of this limit require that the mercury be retorted, or recovered, from the materials prior to disposal. Additional costs for retorting at a separate facility prior to disposal are not included in the estimate. Approximately 10 days were included for demolition, loading, and transportation, and two days were included for site restoration (backfilling the excavation resulting from the removal of the building foundation).

The estimate for the removal of the septic system includes off-site disposal and replacement of the leach field soil. The septic system components are assumed to be covered by the 550 ton estimate of building materials to be disposed of off-site at a licensed facility. Should samples collected below and around the removed building foundation identify soil contamination, further

sampling and remediation would be required. Other assumptions and costs associated with the demolition option are detailed on Table 8a.

### **5.3.2 Decontamination for Reoccupancy**

The decontamination for reoccupancy option (Table 8b) assumes that the removal and disposal of various “finishing materials” (including drywall, insulation, carpeting, etc.), as well as the heating, ventilation, and air conditioning (HVAC) system, would first be required. These materials would amount to approximately 100 tons of mercury-contaminated building materials requiring off-site disposal at a licensed facility. Similar to the demolition option, a maximum concentration of 260 mg/kg is also assumed.

The remaining building components (including the concrete foundation, exterior structure-supporting brick and cinder block walls, and interior framing components) would then be decontaminated using a solution made from water and HgX<sup>®</sup>. According to the manufacturer’s material safety data sheet, HgX<sup>®</sup> is a “proprietary blend of sodium thiosulfate and ethylenediaminetetraacetic acid.” The solution would be applied to all surfaces using low-volume sprayers, brushes, or mops, and allowed to seep into voids and react overnight (care would be taken to minimize spillage and pooling, etc.). The process converts free mercury into a non-volatile, water soluble compound. The residue would then be mopped or sponged with water from the building surfaces, and the resulting solution would be drummed for off-site disposal. Two iterations of the decontamination procedure are included in this line item (\$100,000). Confirmation air and wipe sampling would then be performed, and the remainder of the cost estimate assumes that the decontamination would effectively reduce mercury to acceptable levels within the building.

The estimates for the replacement of the “finishing materials” and HVAC system were based on the current layout of the building interior. Should post-decontamination air and wipe sampling identify mercury above acceptable levels, additional decontamination (or demolition) would be required. Costs are also included for the cleaning of the existing septic tank, removal of the abandoned leach field, and the replacement of the new leach field. The soil from both the abandoned and new leach fields would be disposed of off-site and replaced with clean fill, as appropriate. Other assumptions and costs associated with the decontamination option are detailed on Table 8b.

### **5.3.3 Comparison**

As shown on Tables 8a and 8b, the cost estimates for the two remedial options are each approximately \$550,000 (\$549,450 for demolition and \$553,500 for decontamination). The 20%

contingency for each option is approximately \$80,000, well above the difference in estimated costs between the two options (\$4,050). Therefore, there is no significant cost difference between demolition and decontamination for reoccupancy.

The only way that the existing building could again be occupied would be to remove all sources of mercury vapor. However, as found during the building interior assessment, it appears that all building materials (including the concrete foundation, and exterior structure-supporting brick and cinder block walls) are mercury-contaminated. Demolition of the existing structure and removal of the septic system would effectively remove all potential sources of contamination from the Site, and allow for future improvements as desired. Ideally, the decontamination for reoccupancy option would also completely remove all sources of mercury vapor from the building. However, based on conversations with contractors experienced with mercury-contaminated sites, it would be very difficult to completely eliminate the mercury from all pores of building materials and facets of the building. Post-decontamination air and wipe sampling could potentially reveal the continued presence of mercury vapor in the building interior, even following repeated iterations of the decontamination procedure. In addition, the decontamination option would not address any potential sources of mercury contamination immediately outside or beneath the building foundation. However, the demolition option would include post-demolition soil samples in the footprint of the building to verify the proper removal of all contamination. If additional mercury sources were found in the subsurface of the building footprint, the contaminated soil would be delineated, excavated, and properly disposed of off-site.

## 6.0 REFERENCES

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## **TABLES**

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**TABLE 1**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
**Soil Sample Summary Table**

Location ID	Sample ID	Lab ID	Sample Depth	Analytical Parameters	Sampling Method	Date
<b>EXPLORATORY EXCAVATIONS</b>						
TP01	TP01A	AC30490-001	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
	TP01A	AC30490-001	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
	TP01B	AC30490-002	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP01C	AC30490-003	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
	TP01C	AC30490-003	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
	TP01D	AC30490-004	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP01E	AC30490-005	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
	TP01E	AC30490-005	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
TP02	TP01F	AC30490-006	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP02A	AC30490-007	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
	TP02A	AC30490-007	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
	TP02B	AC30490-008	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP02C	AC30490-009	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
	TP02C	AC30490-009	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
	TP02D	AC30490-010	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP02E	AC30490-011	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
	TP02E	AC30490-011	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
	TP02F	AC30490-012	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP02G	AC30490-013	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
	TP02G	AC30490-013	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
	TP02H	AC30490-014	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP02I	AC30490-015	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
TP02I	AC30490-015	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07	
TP03	TP02J	AC30490-016	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP03A	AC30490-017	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
	TP03A	AC30490-017	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
	TP03B	AC30490-018	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP03C	AC30490-019	1.5 - 2.0	TPHC, Mercury	Grab Sample	05/16/07
	TP03C	AC30490-019	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
	TP03D	AC30490-020	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	DUP03	AC30490-021	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP03E	AC30554-001	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
	TP03E	AC30554-001	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
	TP03F	AC30554-002	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP03G	AC30554-003	1.5 - 2.0	TPHC, Mercury	Grab Sample	05/16/07
	TP03G	AC30554-003	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
	TP03H	AC30554-004	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
TP03I	AC30554-005	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07	
TP03I	AC30554-005	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07	
TP03J	AC30554-006	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07	

**Notes:**

- Sample depth is reported in feet below ground surface (ft bgs).
- TPHC = Total Petroleum Hydrocarbon
- TCL VOC+10 = Target Compound List Volatile Organic Compounds +10 (search for 10 non-target tentatively identified compounds (TICs))



**TABLE 1**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
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Location ID	Sample ID	Lab ID	Sample Depth	Analytical Parameters	Sampling Method	Date
TP04	TP04A	AC30554-007	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/17/07
	TP04A	AC30554-007	1.5 - 2.0	TCL VOC+10	Grab Sample	05/17/07
	TP04B	AC30554-008	7.5 - 8.0	TCL VOC+10, TPHC, Mercury	Grab Sample	05/17/07
TP05	TP05A	AC30554-009	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/17/07
	TP05A	AC30554-009	1.5 - 2.0	TCL VOC+10	Grab Sample	05/17/07
	TP05B	AC30554-010	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/17/07
	TP05C	AC30554-011	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/17/07
	TP05C	AC30554-011	1.5 - 2.0	TCL VOC+10	Grab Sample	05/17/07
	TP05D	AC30554-012	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/17/07
TP06	TP06A	AC30550-001	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
	TP06A	AC30550-001	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
	DUP04	AC30550-012	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
	DUP04	AC30550-012	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
	TP06B	AC30550-002	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP06C	AC30550-003	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
	TP06C	AC30550-003	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07
	TP06D	AC30550-004	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP06E	AC30550-005	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/16/07
TP06E	AC30550-005	1.5 - 2.0	TCL VOC+10	Grab Sample	05/16/07	
	TP06F	AC30550-006	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
TP07	TP07A	AC30550-007	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP07B	AC30550-008	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	DUP05	AC30550-013	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP07C	AC30550-009	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP07D	AC30550-010	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07
	TP07E	AC30550-011	4.0 - 4.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/16/07

**Notes:**

- Sample depth is reported in feet below ground surface (ft bgs).
- TPHC = Total Petroleum Hydrocarbon
- TCL VOC+10 = Target Compound List Volatile Organic Compounds +10 (search for 10 non-target tentatively identified compounds (TICs))

**TABLE 1**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
**Soil Sample Summary Table**

Location ID	Sample ID	Lab ID	Sample Depth	Analytical Parameters	Sampling Method	Date
<b>DIRECT PUSH SOIL BORINGS</b>						
SB01	SB01A	AC30423-001	0.5 - 1.0	TPHC, Mercury	Grab Sample	05/14/07
	SB01A	AC30423-001	1.5 - 2.0	TCL VOC+10	Grab Sample	05/14/07
	SB01B	AC30423-002	6.5 - 7.0	TCL VOC+10, TPHC, Mercury	Grab Sample	05/14/07
SB02	SB02A	AC30423-003	0.5 - 1.0	TPHC, Mercury	Grab Sample	05/14/07
	SB02A	AC30423-003	1.5 - 2.0	TCL VOC+10	Grab Sample	05/14/07
	SB02B	AC30423-004	8.0 - 8.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/14/07
SB03	SB03A	AC30423-005	0.5 - 1.0	TPHC, Mercury	Grab Sample	05/14/07
	SB03A	AC30423-005	1.5 - 2.0	TCL VOC+10	Grab Sample	05/14/07
	SB03B	AC30423-006	8.0 - 8.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/14/07
SB04	SB04A	AC30423-007	0.5 - 1.0	TPHC, Mercury	Grab Sample	05/14/07
	SB04A	AC30423-007	1.5 - 2.0	TCL VOC+10	Grab Sample	05/14/07
	SB04B	AC30423-008	8.0 - 8.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/14/07
SB05	SB05A	AC30423-009	0.5 - 1.0	TPHC, Mercury	Grab Sample	05/14/07
	SB05A	AC30423-009	1.5 - 2.0	TCL VOC+10	Grab Sample	05/14/07
	SB05B	AC30423-010	8.0 - 8.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/14/07
SB06	SB06A	AC30423-011	0.5 - 1.0	TPHC, Mercury	Grab Sample	05/14/07
	SB06A	AC30423-011	1.5 - 2.0	TCL VOC+10	Grab Sample	05/14/07
	SB06B	AC30423-012	8.0 - 8.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/14/07
SB07	SB07A	AC30423-013	0.5 - 1.0	TPHC, Mercury	Grab Sample	05/14/07
	SB07A	AC30423-013	1.5 - 2.0	TCL VOC+10	Grab Sample	05/14/07
	SB07B	AC30423-014	8.0 - 8.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/14/07
SB08	SB08A	AC30423-015	0.5 - 1.0	TPHC, Mercury	Grab Sample	05/14/07
	SB08A	AC30423-015	1.5 - 2.0	TCL VOC+10	Grab Sample	05/14/07
	SB08B	AC30423-016	8.0 - 8.5	TCL VOC+10, TPHC, Mercury	Grab Sample	05/14/07
SB09	SB09	AC30423-017	4.0 - 4.5	TPHC, Mercury	Grab Sample	05/14/07
	SB09	AC30423-017	9.5 - 10.0	TCL VOC+10	Grab Sample	05/14/07
SB10	SB10	AC30423-018	4.0 - 4.5	TPHC, Mercury	Grab Sample	05/14/07
	SB10	AC30423-018	9.5 - 10.0	TCL VOC+10	Grab Sample	05/14/07
SB11	SB11	AC30423-019	4.0 - 4.5	TPHC, Mercury	Grab Sample	05/14/07
	SB11	AC30423-019	9.5 - 10.0	TCL VOC+10	Grab Sample	05/14/07
SB12	SB12	AC30423-020	4.0 - 4.5	TPHC, Mercury	Grab Sample	05/14/07
	SB12	AC30423-020	9.5 - 10.0	TCL VOC+10	Grab Sample	05/14/07
SB13	SB13	AC30423-021	2.5 - 3.0	TPHC, Mercury	Grab Sample	05/14/07
	SB13	AC30423-021	9.5 - 10.0	TCL VOC+10	Grab Sample	05/14/07

**Notes:**

- Sample depth is reported in feet below ground surface (ft bgs).
- TPHC = Total Petroleum Hydrocarbon
- TCL VOC+10 = Target Compound List Volatile Organic Compounds +10 (search for 10 non-target tentatively identified compounds (TICs))

**TABLE 1**  
*NJDEP - Former Accuterm, Inc. Site*  
*Franklin Township, New Jersey*  
**Soil Sample Summary Table**

Location ID	Sample ID	Lab ID	Sample Depth	Analytical Parameters	Sampling Method	Date
<b>SURFACE SOIL SAMPLES</b>						
HA01	HA01	AC30353-001	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/08/07
	HA01	AC30353-001	1.5 - 2.0	TCL VOC+10	Grab Sample	05/08/07
HA02	HA02	AC30353-002	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/08/07
	HA02	AC30353-002	1.5 - 2.0	TCL VOC+10	Grab Sample	05/08/07
HA03	HA03	AC30353-003	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/08/07
	HA03	AC30353-003	1.5 - 2.0	TCL VOC+10	Grab Sample	05/08/07
HA04	HA04	AC30353-004	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/08/07
	HA04	AC30353-004	1.5 - 2.0	TCL VOC+10	Grab Sample	05/08/07
HA05	HA05	AC30353-005	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/08/07
	HA05	AC30353-005	1.5 - 2.0	TCL VOC+10	Grab Sample	05/08/07
HA06	HA06	AC30353-006	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/08/07
	HA06	AC30353-006	1.5 - 2.0	TCL VOC+10	Grab Sample	05/08/07
	DUP01	AC30353-006	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/08/07
	DUP01	AC30353-006	1.5 - 2.0	TCL VOC+10	Grab Sample	05/08/07
HA07	HA07	AC30353-007	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/08/07
	HA07	AC30353-007	1.5 - 2.0	TCL VOC+10	Grab Sample	05/08/07
HA08	HA08	AC30353-008	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/08/07
	HA08	AC30353-008	1.5 - 2.0	TCL VOC+10	Grab Sample	05/08/07
HA09	HA09	AC30452-001	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/15/07
	HA09	AC30452-001	1.5 - 2.0	TCL VOC+10	Grab Sample	05/15/07
HA10	HA10	AC30452-002	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/15/07
	HA10	AC30452-002	1.5 - 2.0	TCL VOC+10	Grab Sample	05/15/07
HA11	HA11	AC30452-003	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/15/07
	HA11	AC30452-003	1.5 - 2.0	TCL VOC+10	Grab Sample	05/15/07
HA12	HA12	AC30452-004	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/15/07
	HA12	AC30452-004	1.5 - 2.0	TCL VOC+10	Grab Sample	05/15/07
HA13	HA12	AC30452-004	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/15/07
	HA12	AC30452-004	1.5 - 2.0	TCL VOC+10	Grab Sample	05/15/07
HA14	HA12	AC30452-004	0.0 - 0.5	TPHC, Mercury	Grab Sample	05/15/07
	HA12	AC30452-004	1.5 - 2.0	TCL VOC+10	Grab Sample	05/15/07
<b>NJDEP SURFACE SOIL SAMPLES</b>						
S1	S1	697611	0.0 - 0.5	Mercury	Grab Sample	01/12/07
S2	S2	697612	0.0 - 0.5	Mercury	Grab Sample	01/12/07
S3	S3	697613	0.0 - 0.5	Mercury	Grab Sample	01/12/07
S4	S4	697614	0.0 - 0.5	Mercury	Grab Sample	01/12/07
S5	S5	697615	0.0 - 0.5	Mercury	Grab Sample	01/12/07
S6	S6	697616	0.0 - 0.5	Mercury	Grab Sample	01/12/07
S7	S7	697617	0.0 - 0.5	Mercury	Grab Sample	01/12/07
S8	S8	697618	0.0 - 0.5	Mercury	Grab Sample	01/12/07
S9	S9	697619	0.0 - 0.5	Mercury	Grab Sample	01/12/07
S10	S10	697620	0.0 - 0.5	Mercury	Grab Sample	01/12/07
S11	S11	697621	0.0 - 0.5	Mercury	Grab Sample	01/12/07
S12	S12	697622	0.0 - 0.5	Mercury	Grab Sample	01/12/07
<b>QA/QC SAMPLES</b>						
Trip Blank	Trip Blank	AC30423-023	- - -	TCL VOC+10	Grab Sample	05/14/07
Trip Blank	Trip Blank	AC30452-008	- - -	TCL VOC+10	Grab Sample	05/15/07
Trip Blank	Trip Blank	AC30490-022	- - -	TCL VOC+10	Grab Sample	05/16/07
Trip Blank	Trip Blank	AC30550-014	- - -	TCL VOC+10	Grab Sample	05/18/07

**Notes:**

- Sample depth is reported in feet below ground surface (ft bgs).
- TPHC = Total Petroleum Hydrocarbon
- TCL VOC+10 = Target Compound List Volatile Organic Compounds +10 (search for 10 non-target tentatively identified compounds (TICs))

**TABLE 2a**  
 NJDEP - Former Accuterm, Inc. Site  
 Franklin Township, New Jersey  
**Soil Analytical Results - Exploratory Excavations**

Field Sample ID				TP01						TP02									
Sample ID				TP01A	TP01B	TP01C	TP01D	TP01E	TP01F	TP02A	TP02B	TP02C	TP02D	TP02E	TP02F	TP02G	TP02H	TP02I	TP02J
Lab ID				AC30490-001	AC30490-002	AC30490-003	AC30490-004	AC30490-005	AC30490-006	AC30490-007	AC30490-008	AC30490-009	AC30490-010	AC30490-011	AC30490-012	AC30490-013	AC30490-014	AC30490-015	AC30490-016
Sample Interval (ft)				0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5
Date Collected				5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007
Analyte				NRDCSCC	RDCSCC	IGWSCC													
<b>Metals</b>																			
Mercury	270	14	NC	<b>0.35</b>	0.096 U	<b>0.42</b>	0.092 U	<b>0.22</b>	0.098 U	<b>0.16</b>	0.097 U	<b>0.11</b>	0.097 U	0.09 U	0.095 U	0.09 U	0.092 U	<b>0.099</b>	0.092 U
<b>Total Petroleum Hydrocarbons</b>																			
TPH	NC	10000	NC	<b>250</b>	<b>67</b>	<b>160</b>	37 U	<b>600</b>	40 U	<b>95</b>	40 U	<b>300</b>	40 U	<b>120</b>	<b>660</b>	<b>83</b>	37 U	<b>50</b>	<b>42</b>
<b>Volatile Organic Compounds</b>																			
1,1,1-Trichloroethane	1000	210	50	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
1,1,2,2-Tetrachloroethane	70	34	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
1,1,2-Trichloroethane	420	22	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
1,1-Dichloroethane	1000	570	10	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
1,1-Dichloroethylene	150	8	10	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
1,2-Dichloroethane	24	6	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
1,2-Dichloropropane	43	10	NC	0.71 U	0.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.7 U	1.2 U	1 U	0.99 U	1.1 U	0.5 U	0.57 U	0.47 U
2-Butanone (MEK)	1000	1000	50	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
2-Chloroethyl Vinyl Ether	NC	NC	NC	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
2-Hexanone	NC	NC	NC	0.71 U	0.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.7 U	1.2 U	1 U	0.99 U	1.1 U	0.5 U	0.57 U	0.47 U
4-Methyl-2-Pentanone(MIBK)	1000	1000	50	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Acetone	1000	1000	100	3.5 U	3.5 U	3.5 U	3.4 U	3.4 U	3.4 U	3.6 U	3.4 U	4.2 U	3.1 U	2.6 U	2.5 U	2.7 U	2.5 U	2.8 U	2.3 U
Acrolein	NC	NC	NC	3.5 U	3.5 U	3.5 U	3.4 U	3.4 U	3.4 U	3.6 U	3.4 U	4.2 U	3.1 U	2.6 U	2.5 U	2.7 U	2.5 U	2.8 U	2.3 U
Acrylonitrile	5	1	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Benzene	13	3	1	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.17 U	0.12 U	0.1 U	0.099 U	0.11 U	0.5 U	0.57 U	0.47 U
Bromodichloromethane	46	11	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Bromoform	370	86	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Bromomethane	1000	79	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Carbon Disulfide	NC	NC	NC	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Carbon Tetrachloride	4	2	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Chlorobenzene	680	37	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Chloroethane	NC	NC	NC	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Chloroform	28	19	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Chloromethane	1000	520	10	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
cis-1,2-Dichloroethene	1000	79	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
cis-1,3-Dichloropropene	NC	NC	NC	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Dibromochloromethane	1000	110	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Ethylbenzene	1000	1000	100	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.17 U	0.12 U	0.1 U	0.099 U	0.11 U	0.5 U	0.57 U	0.47 U
Methylene Chloride	210	49	1	0.71 U	0.7 U	0.29 J	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
o-Xylene	NC	NC	NC	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.17 U	0.12 U	0.1 U	0.099 U	0.11 U	0.5 U	0.57 U	0.47 U
Styrene	97	23	100	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Tetrachloroethene	6	4	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Toluene	1000	1000	500	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.17 U	0.12 U	0.1 U	0.099 U	0.11 U	0.5 U	0.57 U	0.47 U
trans-1,2-Dichloroethene	1000	1000	50	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
trans-1,3-Dichloropropene	NC	NC	NC	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Trichloroethene	54	23	1	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Vinyl Chloride	7	2	10	0.71 U	0.7 U	0.69 U	0.69 U	0.68 U	0.68 U	0.72 U	0.69 U	0.85 U	0.62 U	0.51 U	0.5 U	0.55 U	0.5 U	0.57 U	0.47 U
Xylene (Total)	1000	410	67	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.29 U	0.28 U	0.34 U	0.25 U	0.2 U	0.2 U	0.22 U	1 U	1.1 U	0.94 U

**Notes:**  
 - All results in mg/kg  
 - NRDCSCC = New Jersey Non-Residential Direct Contact Soil Cleanup Criteria (May, 1999)  
 - RDCSCC = New Jersey Residential Direct Contact Soil Cleanup Criteria (May, 1999)  
 - IGWSCC = New Jersey Impact to Ground Water Soil Cleanup Criteria (May, 1999)  
 - NA = Not Analyzed  
 - NC = No Criteria  
 - J = Estimated value  
 - U = Compound not detected above the Sample Quantitation Limit, value shown is the Sample Quantitation Limit  
**- Bold values indicate positive detections**

**TABLE 2a**  
 NJDEP - Former AccuTherm, Inc. Site  
 Franklin Township, New Jersey  
**Soil Analytical Results - Exploratory Excavations**

Field Sample ID				TP03										TP04		TP05						
Sample ID				TP03A	TP03B	TP03C	TP03D	DUP03	TP03E	TP03F	TP03G	TP03H	TP03I	TP03J	TP04A	TP04B	TP05A	TP05B	TP05C	TP05D		
Lab ID				AC30490-017	AC30490-018	AC30490-019	AC30490-020	AC30490-021	AC30554-001	AC30554-002	AC30554-003	AC30554-004	AC30554-005	AC30554-006	AC30554-007	AC30554-008	AC30554-009	AC30554-010	AC30554-011	AC30554-012		
Sample Interval (ft)				0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	7.5 - 8.0	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5		
Date Collected				5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/17/2007	5/17/2007	5/17/2007	5/17/2007	5/17/2007	5/17/2007	5/17/2007	5/17/2007	5/17/2007	5/17/2007	5/17/2007	5/17/2007		
Analyte				NRDCSCC	RDCSCC	IGWSCC																
<b>Metals</b>																						
Mercury	270	14	NC	<b>0.28</b>	<b>0.3</b>	<b>0.11</b>	0.09 U	0.095 U	0.088 U	0.093 U	<b>0.23</b>	0.092 U	<b>0.22</b>	0.095 U	<b>2.3</b>	<b>2.5</b>	0.089 U	0.092 U	<b>1.4</b>	0.096 U		
<b>Total Petroleum Hydrocarbons</b>																						
TPH	NC	10000	NC	<b>180</b>	<b>200</b>	<b>65</b>	<b>61</b>	39 U	<b>210</b>	<b>76</b>	<b>79</b>	<b>62</b>	<b>72</b>	<b>66</b>	<b>170</b>	<b>73</b>	<b>71</b>	<b>60</b>	<b>590</b>	<b>60</b>		
<b>Volatile Organic Compounds</b>																						
1,1,1-Trichloroethane	1000	210	50	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
1,1,2,2-Tetrachloroethane	70	34	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
1,1,2-Trichloroethane	420	22	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
1,1-Dichloroethane	1000	570	10	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
1,1-Dichloroethylene	150	8	10	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
1,2-Dichloroethane	24	6	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
1,2-Dichloropropane	43	10	NC	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
2-Butanone (MEK)	1000	1000	50	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
2-Chloroethyl Vinyl Ether	NC	NC	NC	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
2-Hexanone	NC	NC	NC	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
4-Methyl-2-Pentanone(MIBK)	1000	1000	50	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Acetone	1000	1000	100	2.7 U	2.7 U	3 U	2.5 U	2.8 U	3.1 U	2.5 U	2.5 U	2.4 U	3.3 U	2.4 U	3 U	3.2 U	4.5 U	4.2 U	3.1 U	2.5 U		
Acrolein	NC	NC	NC	2.7 U	2.7 U	3 U	2.5 U	2.8 U	3.1 U	2.5 U	2.5 U	2.4 U	3.3 U	2.4 U	3 U	3.2 U	4.5 U	4.2 U	3.1 U	2.5 U		
Acrylonitrile	5	1	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Benzene	13	3	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.1 U	0.099 U	0.097 U	0.13 U	0.094 U	0.12 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Bromodichloromethane	46	11	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Bromoform	370	86	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Bromomethane	1000	79	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Carbon Disulfide	NC	NC	NC	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Carbon Tetrachloride	4	2	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Chlorobenzene	680	37	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Chloroethane	NC	NC	NC	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Chloroform	28	19	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Chloromethane	1000	520	10	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
cis-1,2-Dichloroethene	1000	79	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
cis-1,3-Dichloropropene	NC	NC	NC	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Dibromochloromethane	1000	110	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Ethylbenzene	1000	1000	100	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.1 U	0.099 U	0.097 U	0.13 U	0.094 U	0.12 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Methylene Chloride	210	49	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	<b>0.27 J</b>	0.47 U	<b>0.28 J</b>	0.63 U	0.91 U	<b>0.48 J</b>	0.63 U	0.51 U		
o-Xylene	NC	NC	NC	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.1 U	0.099 U	0.097 U	0.13 U	0.094 U	0.12 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Styrene	97	23	100	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Tetrachloroethene	6	4	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Toluene	1000	1000	500	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.1 U	0.099 U	0.097 U	0.13 U	0.094 U	0.12 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
trans-1,2-Dichloroethene	1000	1000	50	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
trans-1,3-Dichloropropene	NC	NC	NC	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Trichloroethene	54	23	1	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Vinyl Chloride	7	2	10	0.55 U	0.54 U	0.6 U	0.51 U	0.56 U	0.63 U	0.5 U	0.49 U	0.48 U	0.65 U	0.47 U	0.6 U	0.63 U	0.91 U	0.84 U	0.63 U	0.51 U		
Xylene (Total)	1000	410	67	1.1 U	1.1 U	1.2 U	1 U	1.1 U	0.25 U	0.2 U	0.2 U	0.19 U	0.26 U	0.19 U	0.24 U	1.3 U	1.8 U	0.33 U	1.3 U	1 U		

**Notes:**  
 - All results in mg/kg  
 - NRDCSCC = New Jersey Non-Residential Direct Contact Soil Cleanup Criteria (May, 1999)  
 - RDCSCC = New Jersey Residential Direct Contact Soil Cleanup Criteria (May, 1999)  
 - IGWSCC = New Jersey Impact to Ground Water Soil Cleanup Criteria (May, 1999)  
 - NA = Not Analyzed  
 - NC = No Criteria  
 - J = Estimated value  
 - U = Compound not detected above the Sample Quantitation Limit, value shown is the Sample Quantitation Limit  
 - **Bold values indicate positive detections**

**TABLE 2a**  
 NJDEP - Former Accuterm, Inc. Site  
 Franklin Township, New Jersey  
**Soil Analytical Results - Exploratory Excavations**

Field Sample ID				TP06								TP07						Trip Blank	
Sample ID				TP06A	DUP04	TP06B	TP06C	TP06D	TP06E	TP06F	TP07A	TP07B	DUP05	TP07C	TP07D	TP07E	Trip Blank	Trip Blank	
Lab ID				AC30550-001	AC30550-012	AC30550-002	AC30550-003	AC30550-004	AC30550-005	AC30550-006	AC30550-007	AC30550-008	AC30550-013	AC30550-009	AC30550-010	AC30550-011	AC30490-022	AC30550-014	
Sample Interval (ft)				0.0 - 0.5 VOCs@ 1.5 - 2.0	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	0.0 - 0.5 VOCs@ 1.5 - 2.0	4.0 - 4.5	4.0 - 4.5	4.0 - 4.5	4.0 - 4.5	4.0 - 4.5	4.0 - 4.5	4.0 - 4.5	-	-	
Date Collected				5/18/2007	5/18/2007	5/18/2007	5/18/2007	5/18/2007	5/18/2007	5/18/2007	5/18/2007	5/18/2007	5/18/2007	5/18/2007	5/18/2007	5/18/2007	5/16/2007	5/18/2007	
Analyte		NRDCSCC	RDCSCC	IGWSCC															
<b>Metals</b>																			
Mercury	270	14	NC	0.11	0.12	0.093 U	0.41	0.32	0.14	0.089 U	0.094 U	0.093 U	0.091 U	0.091 U	0.092 U	0.09 U	NA	NA	
<b>Total Petroleum Hydrocarbons</b>																			
TPH	NC	10000	NC	170	91	38 U	230	38 U	250	36 U	38 U	38 U	37 U	37 U	37 U	37 U	NA	NA	
<b>Volatile Organic Compounds</b>																			
1,1,1-Trichloroethane	1000	210	50	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
1,1,2,2-Tetrachloroethane	70	34	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
1,1,2-Trichloroethane	420	22	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
1,1-Dichloroethane	1000	570	10	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
1,1-Dichloroethylene	150	8	10	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
1,2-Dichloroethane	24	6	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
1,2-Dichloropropane	43	10	NC	1.3 U	0.61 U	1.3 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	1 U	1 U	
2-Butanone (MEK)	1000	1000	50	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
2-Chloroethyl Vinyl Ether	NC	NC	NC	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
2-Hexanone	NC	NC	NC	1.3 U	0.61 U	1.3 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	1 U	1 U	
4-Methyl-2-Pentanone(MIBK)	1000	1000	50	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Acetone	1000	1000	100	3.2 U	3.1 U	3.2 U	3.1 U	3.4 U	3.3 U	3.9 U	2.9 U	3.7 U	2.9 U	4.1 U	3.8 U	3.2 U	2.5 U	2.5 U	
Acrolein	NC	NC	NC	3.2 U	3.1 U	3.2 U	3.1 U	3.4 U	3.3 U	3.9 U	2.9 U	3.7 U	2.9 U	4.1 U	3.8 U	3.2 U	2.5 U	2.5 U	
Acrylonitrile	5	1	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Benzene	13	3	1	0.13 U	0.12 U	0.13 U	0.12 U	0.14 U	0.13 U	0.16 U	0.12 U	0.15 U	0.12 U	0.16 U	0.15 U	0.13 U	0.1 U	0.1 U	
Bromodichloromethane	46	11	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Bromoform	370	86	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Bromomethane	1000	79	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Carbon Disulfide	NC	NC	NC	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Carbon Tetrachloride	4	2	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Chlorobenzene	680	37	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Chloroethane	NC	NC	NC	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Chloroform	28	19	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Chloromethane	1000	520	10	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
cis-1,2-Dichloroethene	1000	79	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
cis-1,3-Dichloropropene	NC	NC	NC	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Dibromochloromethane	1000	110	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Ethylbenzene	1000	1000	100	0.13 U	0.12 U	0.13 U	0.12 U	0.14 U	0.13 U	0.16 U	0.12 U	0.15 U	0.12 U	0.16 U	0.15 U	0.13 U	0.1 U	0.1 U	
Methylene Chloride	210	49	1	0.65 U	0.61 U	0.27 J	0.3 J	0.31 J	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.26 J	0.5 U	
o-Xylene	NC	NC	NC	0.13 U	0.12 U	0.13 U	0.12 U	0.14 U	0.13 U	0.16 U	0.12 U	0.15 U	0.12 U	0.16 U	0.15 U	0.13 U	0.1 U	0.1 U	
Styrene	97	23	100	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Tetrachloroethene	6	4	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Toluene	1000	1000	500	0.13 U	0.12 U	0.13 U	0.12 U	0.14 U	0.13 U	0.16 U	0.12 U	0.15 U	0.12 U	0.16 U	0.15 U	0.13 U	0.1 U	0.1 U	
trans-1,2-Dichloroethene	1000	1000	50	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
trans-1,3-Dichloropropene	NC	NC	NC	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Trichloroethene	54	23	1	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Vinyl Chloride	7	2	10	0.65 U	0.61 U	0.64 U	0.62 U	0.68 U	0.65 U	0.78 U	0.58 U	0.75 U	0.59 U	0.82 U	0.75 U	0.64 U	0.5 U	0.5 U	
Xylene (Total)	1000	410	67	0.26 U	0.24 U	0.25 U	0.25 U	0.27 U	0.26 U	0.31 U	0.23 U	0.3 U	0.24 U	0.33 U	0.3 U	0.25 U	0.2 U	0.2 U	

**Notes:**  
 - All results in mg/kg  
 - NRDCSCC = New Jersey Non-Residential Direct Contact Soil Cleanup Criteria (May, 1999)  
 - RDCSCC = New Jersey Residential Direct Contact Soil Cleanup Criteria (May, 1999)  
 - IGWSCC = New Jersey Impact to Ground Water Soil Cleanup Criteria (May, 1999)  
 - NA = Not Analyzed  
 - NC = No Criteria  
 - J = Estimated value  
 - U = Compound not detected above the Sample Quantitation Limit, value shown is the Sample Quantitation Limit  
 - **Bold values indicate positive detections**

**TABLE 2b**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
**Soil Analytical Results - Direct Push Soil Borings**

Location ID		SB01		SB02		SB03		SB04		SB05		SB06			
Sample ID		SB01A	SB01B	SB02A	SB02B	SB03A	SB03B	SB04A	SB04B	SB05A	SB05B	SB06A	SB06B		
Lab ID		AC30423-001	AC30423-002	AC30423-003	AC30423-004	AC30423-005	AC30423-006	AC30423-007	AC30423-008	AC30423-009	AC30423-010	AC30423-011	AC30423-012		
Sample Interval (ft)		0.0 - 0.5 VOCs @ 1.5 - 2.0	6.5 - 7.0	0.0 - 0.5 VOCs @ 1.5 - 2.0	8.0 - 8.5	0.0 - 0.5 VOCs @ 1.5 - 2.0	8.0 - 8.5	0.0 - 0.5 VOCs @ 1.5 - 2.0	8.0 - 8.5	0.0 - 0.5 VOCs @ 1.5 - 2.0	8.0 - 8.5	0.0 - 0.5 VOCs @ 1.5 - 2.0	8.0 - 8.5		
Date Collected		5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007		
Analyte	NRDCSCC	RDCSCC	IGWSCC												
<b>Metals</b>															
Mercury	270	14	NC	<b>0.39</b>	0.091 U	0.09 U	<b>0.33</b>	0.091 U	0.09 U	0.091 U	0.09 U	0.09 U	0.091 U	0.089 U	0.09 U
<b>Total Petroleum Hydrocarbons</b>															
TPH	NC	10000	NC	<b>150</b>	<b>46</b>	<b>50</b>	39 U	<b>400</b>	37 U	<b>250</b>	<b>670</b>	<b>850</b>	<b>72</b>	<b>2300</b>	<b>180</b>
<b>Volatile Organic Compounds</b>															
1,1,1-Trichloroethane	1000	210	50	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
1,1,2,2-Tetrachloroethane	70	34	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
1,1,2-Trichloroethane	420	22	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
1,1-Dichloroethane	1000	570	10	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
1,1-Dichloroethylene	150	8	10	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
1,2-Dichloroethane	24	6	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
1,2-Dichloropropane	43	10	NC	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
2-Butanone (MEK)	1000	1000	50	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
2-Chloroethyl Vinyl Ether	NC	NC	NC	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
2-Hexanone	NC	NC	NC	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
4-Methyl-2-Pentanone(MIBK)	1000	1000	50	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Acetone	1000	1000	100	3.5 U	3.5 U	2.7 U	3 U	3.3 U	3.7 U	3.7 U	4.2 U	2.4 U	3.3 U	3.5 U	3.9 U
Acrolein	NC	NC	NC	3.5 U	3.5 U	2.7 U	3 U	3.3 U	3.7 U	3.7 U	4.2 U	2.4 U	3.3 U	3.5 U	3.9 U
Acrylonitrile	5	1	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Benzene	13	3	1	0.14 U	0.14 U	0.11 U	0.12 U	0.13 U	0.15 U	0.15 U	0.17 U	0.097 U	0.13 U	0.14 U	0.15 U
Bromodichloromethane	46	11	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Bromoform	370	86	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Bromomethane	1000	79	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Carbon Disulfide	NC	NC	NC	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Carbon Tetrachloride	4	2	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Chlorobenzene	680	37	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Chloroethane	NC	NC	NC	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Chloroform	28	19	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Chloromethane	1000	520	10	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
cis-1,2-Dichloroethene	1000	79	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
cis-1,3-Dichloropropene	NC	NC	NC	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Dibromochloromethane	1000	110	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Ethylbenzene	1000	1000	100	0.14 U	0.14 U	0.11 U	0.12 U	0.13 U	0.15 U	0.15 U	0.17 U	0.097 U	0.13 U	0.14 U	0.15 U
Methylene Chloride	210	49	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
o-Xylene	NC	NC	NC	0.14 U	0.14 U	0.11 U	0.12 U	0.13 U	0.15 U	0.15 U	0.17 U	0.097 U	0.13 U	0.14 U	0.15 U
Styrene	97	23	100	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Tetrachloroethene	6	4	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Toluene	1000	1000	500	0.14 U	0.14 U	0.11 U	0.12 U	0.13 U	0.15 U	0.15 U	0.17 U	0.097 U	0.13 U	0.14 U	0.15 U
trans-1,2-Dichloroethene	1000	1000	50	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
trans-1,3-Dichloropropene	NC	NC	NC	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Trichloroethene	54	23	1	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Vinyl Chloride	7	2	10	0.7 U	0.7 U	0.54 U	0.61 U	0.66 U	0.74 U	0.73 U	0.85 U	0.49 U	0.65 U	0.71 U	0.77 U
Xylene (Total)	1000	410	67	0.28 U	0.28 U	0.22 U	0.24 U	0.26 U	0.29 U	0.29 U	0.34 U	0.19 U	0.26 U	0.28 U	0.31 U

**Notes:**

- All results in mg/kg
- NRDCSCC = New Jersey Non-Residential Direct Contact Soil Cleanup Criteria (May, 1999)
- RDCSCC = New Jersey Residential Direct Contact Soil Cleanup Criteria (May, 1999)
- IGWSCC = New Jersey Impact to Ground Water Soil Cleanup Criteria (May, 1999)
- NA = Not Analyzed
- NC = No Criteria
- J = Estimated value
- U = Compound not detected above the Sample Quantitation Limit, value shown is the Sample Quantitation Limit
- **Bold values indicate positive detections**

**TABLE 2b**  
 NJDEP - Former Accuterm, Inc. Site  
 Franklin Township, New Jersey  
 Soil Analytical Results - Direct Push Soil Borings

Location ID				SB07		SB08		SB09		SB010	SB011	SB012	SB013	Trip Blank
Sample ID				SB07A	SB07B	SB08A	SB08B	SB09	DUP02	SB010	SB011	SB012	SB013	Trip Blank
Lab ID				AC30423-013	AC30423-014	AC30423-015	AC30423-016	AC30423-017	AC30423-022	AC30423-018	AC30423-019	AC30423-020	AC30423-021	AC30423-023
Sample Interval (ft)				0.0 - 0.5 VOCs @ 1.5 - 2.0	8.0 - 8.5	0.0 - 0.5 VOCs @ 1.5 - 2.0	8.0 - 8.5	4.0 - 4.5 VOCs @ 9.5 - 10.0	4.0 - 4.5 VOCs @ 9.5 - 10.0	4.0 - 4.5 VOCs @ 9.5 - 10.0	4.0 - 4.5 VOCs @ 9.5 - 10.0	4.0 - 4.5 VOCs @ 9.5 - 10.0	4.0 - 4.5 VOCs @ 9.5 - 10.0	-
Date Collected				5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007	5/14/2007
Analyte	NRDCSCC	RDCSCC	IGWSCC											
<b>Metals</b>														
Mercury	270	14	NC	0.094 U	0.095 U	0.097 U	<b>0.1</b>	0.091 U	<b>0.1</b>	0.097 U	0.093 U	0.091 U	0.092 U	NA
<b>Total Petroleum Hydrocarbons</b>														
TPH	NC	10000	NC	<b>110</b>	<b>50</b>	<b>130</b>	39 U	<b>46</b>	36 U	<b>51</b>	<b>190</b>	37 U	<b>46</b>	NA
<b>Volatile Organic Compounds</b>														
1,1,1-Trichloroethane	1000	210	50	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
1,1,2,2-Tetrachloroethane	70	34	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
1,1,2-Trichloroethane	420	22	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
1,1-Dichloroethane	1000	570	10	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
1,1-Dichloroethylene	150	8	10	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
1,2-Dichloroethane	24	6	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
1,2-Dichloropropane	43	10	NC	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
2-Butanone (MEK)	1000	1000	50	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
2-Chloroethyl Vinyl Ether	NC	NC	NC	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
2-Hexanone	NC	NC	NC	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
4-Methyl-2-Pentanone(MIBK)	1000	1000	50	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Acetone	1000	1000	100	2.9 U	3.6 U	3.1 U	2.7 U	3.3 U	3.4 U	3.8 U	3.9 U	3.9 U	3.2 U	2.5 U
Acrolein	NC	NC	NC	2.9 U	3.6 U	3.1 U	2.7 U	3.3 U	3.4 U	3.8 U	3.9 U	3.9 U	3.2 U	2.5 U
Acrylonitrile	5	1	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Benzene	13	3	1	0.11 U	0.14 U	0.12 U	0.11 U	0.13 U	0.13 U	0.15 U	0.16 U	0.16 U	0.13 U	0.1 U
Bromodichloromethane	46	11	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Bromoform	370	86	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Bromomethane	1000	79	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Carbon Disulfide	NC	NC	NC	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Carbon Tetrachloride	4	2	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Chlorobenzene	680	37	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Chloroethane	NC	NC	NC	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Chloroform	28	19	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Chloromethane	1000	520	10	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
cis-1,2-Dichloroethene	1000	79	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
cis-1,3-Dichloropropene	NC	NC	NC	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Dibromochloromethane	1000	110	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Ethylbenzene	1000	1000	100	0.11 U	0.14 U	0.12 U	0.11 U	0.13 U	0.13 U	0.15 U	0.16 U	0.16 U	0.13 U	0.1 U
Methylene Chloride	210	49	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
o-Xylene	NC	NC	NC	0.11 U	0.14 U	0.12 U	0.11 U	0.13 U	0.13 U	0.15 U	0.16 U	0.16 U	0.13 U	0.1 U
Styrene	97	23	100	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Tetrachloroethene	6	4	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Toluene	1000	1000	500	0.11 U	0.14 U	0.12 U	0.11 U	0.13 U	0.13 U	<b>0.53</b>	0.16 U	0.16 U	0.13 U	0.1 U
trans-1,2-Dichloroethene	1000	1000	50	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
trans-1,3-Dichloropropene	NC	NC	NC	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Trichloroethene	54	23	1	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Vinyl Chloride	7	2	10	0.57 U	0.72 U	0.62 U	0.53 U	0.66 U	0.67 U	0.76 U	0.78 U	0.78 U	0.64 U	0.5 U
Xylene (Total)	1000	410	67	0.23 U	0.29 U	0.25 U	0.21 U	0.26 U	0.27 U	0.3 U	0.31 U	0.31 U	0.26 U	0.2 U

**Notes:**

- All results in mg/kg
- NRDCSCC = New Jersey Non-Residential Direct Contact Soil Cleanup Criteria (May, 1999)
- RDCSCC = New Jersey Residential Direct Contact Soil Cleanup Criteria (May, 1999)
- IGWSCC = New Jersey Impact to Ground Water Soil Cleanup Criteria (May, 1999)
- NA = Not Analyzed
- NC = No Criteria
- J = Estimated value
- U = Compound not detected above the Sample Quantitation Limit, value shown is the Sample Quantitation Limit
- **Bold values indicate positive detections**



**TABLE 2c**  
 NJDEP - Former Accuterm, Inc. Site  
 Franklin Township, New Jersey  
 Soil Analytical Results - Surface Soil Samples

Location ID	HA01	HA02	HA03	HA04	HA05	HA06		HA07	HA08	HA09	HA10	Municipal Building	Municipal Building	HA13	HA14	Trip Blank			
Sample ID	HA01	HA02	HA03	HA04	HA05	HA06	DUP01	HA07	HA08	HA09	HA10	HA11	HA12	HA13*	HA14*	Trip Blank			
Lab ID	AC30353-001	AC30353-002	AC30353-003	AC30353-004	AC30353-005	AC30353-006	AC30353-009	AC30353-007	AC30353-008	AC30452-001	AC30452-002	AC30452-003	AC30452-004	AC31189-009	AC30452-004	AC30452-008			
Sample Interval (ft)	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	-			
Date Collected	5/8/2007	5/8/2007	5/8/2007	5/8/2007	5/8/2007	5/8/2007	5/8/2007	5/8/2007	5/8/2007	5/8/2007	5/15/2007	5/15/2007	5/15/2007	5/15/2007	6/19/2007	6/19/2007			
Analyte	NRDCSCC	RDCSCC	IGWSCC																
<b>Metals</b>																			
Mercury	270	14	NC	0.089 U	0.088 U	0.093 U	<b>0.21</b>	0.089 U	<b>0.33</b>	<b>0.27</b>	<b>0.21</b>	0.094 U	<b>0.1</b>	0.12 U	0.089 U	0.092 U	<b>0.09</b>	<b>0.14</b>	NA
<b>Total Petroleum Hydrocarbons</b>																			
TPH	NC	10000	NC	<b>250</b>	<b>250</b>	<b>100</b>	<b>300</b>	<b>140</b>	<b>150</b>	<b>150</b>	<b>210</b>	<b>180</b>	NA	NA	NA	NA	NA	NA	NA
<b>Volatile Organic Compounds</b>																			
1,1,1-Trichloroethane	1000	210	50	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
1,1,2,2-Tetrachloroethane	70	34	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
1,1,2-Trichloroethane	420	22	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
1,1-Dichloroethane	1000	570	10	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
1,1-Dichloroethylene	150	8	10	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
1,2-Dichloroethane	24	6	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
1,2-Dichloropropane	43	10	NC	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
2-Butanone (MEK)	1000	1000	50	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
2-Chloroethyl Vinyl Ether	NC	NC	NC	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
2-Hexanone	NC	NC	NC	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
4-Methyl-2-Pentanone(MIBK)	1000	1000	50	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Acetone	1000	1000	100	2.4 U	2.5 U	2.9 U	2.5 U	2.8 U	3.4 U	3.3 U	2.8 U	3.1 U	3.2 U	3.9 U	3 U	3 U	NA	NA	2.5 U
Acrolein	NC	NC	NC	2.4 U	2.5 U	2.9 U	2.5 U	2.8 U	3.4 U	3.3 U	2.8 U	3.1 U	3.2 U	3.9 U	3 U	3 U	NA	NA	2.5 U
Acrylonitrile	5	1	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Benzene	13	3	1	0.097 U	0.1 U	0.12 U	0.1 U	0.11 U	0.14 U	0.13 U	0.11 U	0.12 U	0.13 U	0.16 U	0.12 U	0.12 U	NA	NA	0.1 U
Bromodichloromethane	46	11	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Bromoform	370	86	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Bromomethane	1000	79	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Carbon Disulfide	NC	NC	NC	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Carbon Tetrachloride	4	2	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Chlorobenzene	680	37	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Chloroethane	NC	NC	NC	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Chloroform	28	19	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Chloromethane	1000	520	10	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
cis-1,2-Dichloroethene	1000	79	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
cis-1,3-Dichloropropene	NC	NC	NC	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Dibromochloromethane	1000	110	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Ethylbenzene	1000	1000	100	0.097 U	0.1 U	0.12 U	0.1 U	0.11 U	0.14 U	0.13 U	0.11 U	0.12 U	0.13 U	0.16 U	0.12 U	0.12 U	NA	NA	0.1 U
Methylene Chloride	210	49	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	<b>0.45 J</b>	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
o-Xylene	NC	NC	NC	0.097 U	0.1 U	0.12 U	0.1 U	0.11 U	0.14 U	0.13 U	0.11 U	0.12 U	0.13 U	0.16 U	0.12 U	0.12 U	NA	NA	0.1 U
Styrene	97	23	100	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Tetrachloroethene	6	4	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Toluene	1000	1000	500	0.097 U	0.1 U	0.12 U	0.1 U	0.11 U	0.14 U	0.13 U	0.11 U	0.12 U	0.13 U	0.16 U	0.12 U	0.12 U	NA	NA	0.1 U
trans-1,2-Dichloroethene	1000	1000	50	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
trans-1,3-Dichloropropene	NC	NC	NC	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Trichloroethene	54	23	1	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Vinyl Chloride	7	2	10	0.49 U	0.5 U	0.59 U	0.5 U	0.56 U	0.68 U	0.66 U	0.55 U	0.62 U	0.64 U	0.78 U	0.61 U	0.59 U	NA	NA	0.5 U
Xylene (Total)	1000	410	67	0.19 U	0.2 U	0.23 U	0.2 U	0.22 U	0.27 U	0.26 U	0.22 U	0.25 U	0.25 U	0.31 U	0.24 U	0.24 U	NA	NA	0.2 U

**Notes:**  
 - All results in mg/kg  
 - NRDCSCC = New Jersey Non-Residential Direct Contact Soil Cleanup Criteria (May, 1999)  
 - RDCSCC = New Jersey Residential Direct Contact Soil Cleanup Criteria (May, 1999)  
 - IGWSCC = New Jersey Impact to Ground Water Soil Cleanup Criteria (May, 1999)  
 - NA = Not Analyzed  
 - NC = No Criteria  
 - J = Estimated value  
 - U = Compound not detected above the Sample Quantitation Limit, value shown is the Sample Quantitation Limit  
**- Bold values indicate positive detections**  
 - \*Samples collected at HA13 and HA14 locations (refer to Figure) were mislabeled HA11 and HA12 on Chain of Custody

**TABLE 2d**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
**Soil Analytical Results - NJDEP Surface Soil Samples**

<i>Location ID</i>				S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
<i>Sample ID</i>				S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
<i>Lab ID</i>				697611	697612	697613	697614	697615	697616	697617	697618	697619	697620	697621	697622
<i>Sample Interval (ft)</i>				0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
<i>Date Collected</i>				1/12/2007	1/12/2007	1/12/2007	1/12/2007	1/12/2007	1/12/2007	1/12/2007	1/12/2007	1/12/2007	1/12/2007	1/12/2007	1/12/2007
<i>Analyte</i>	<i>NRDCSCC</i>	<i>RDCSCC</i>	<i>IGWSCC</i>												
<b>Metals</b>															
Mercury	270	14	NC	0.06	0.22	0.22	1.7	0.26	0.07	0.07	0.07	0.12	0.08	0.16	0.19

**Notes:**

- All results in mg/kg
- NRDCSCC = New Jersey Non-Residential Direct Contact Soil Cleanup Criteria (May, 1999)
- RDCSCC = New Jersey Residential Direct Contact Soil Cleanup Criteria (May, 1999)
- IGWSCC = New Jersey Impact to Ground Water Soil Cleanup Criteria
- NC = No Criteria
- **Bold values indicate positive detections**

**Table 3**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
**Groundwater Elevations**

<b>Well ID</b>	<b>Ground Elevation<sup>(1)</sup></b>	<b>Total Depth<sup>(2)</sup></b>	<b>TOC Elevation<sup>(3)</sup></b>	<b>Well Screen Interval<sup>(2)</sup></b>	<b>Well Screen Interval Elevation</b>	<b>Depth to Water<sup>(4)</sup> 6/18/07</b>	<b>Groundwater Elevation<sup>(5)</sup> 6/18/07</b>	<b>Depth to Water<sup>(4)</sup> 7/31/07</b>	<b>Groundwater Elevation<sup>(5)</sup> 7/31/07</b>
MW-1	112.13	28.0	111.83	18.0 - 28.0	94.13 - 84.13	21.80	90.03	23.30	88.53
MW-2	112.87	28.0	112.59	18.0 - 28.0	94.87 - 84.87	22.56	90.03	24.02	88.57
MW-3	110.80	28.0	112.31	18.0 - 28.0	92.80 - 82.80	22.54	89.77	23.95	88.36
MW-4	112.32	28.0	114.02	18.0 - 28.0	94.32 - 84.32	23.97	90.05	25.41	88.61
MW-5	111.86	28.0	113.63	18.0 - 28.0	93.86 - 83.86	23.73	89.90	25.10	88.53

Notes:

- (1) All Elevations are measured with respect to mean sea level.
- (2) Total well depth and well screen interval measured in feet below ground surface.
- (3) TOC = Top-of-PVC casing.
- (4) Depth to water measured from top of PVC casing.
- (5) Top-of-PVC casing elevation minus depth to water = Groundwater Elevation.

**TABLE 4**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
**Groundwater Sample Summary Table**

Location ID	Sample ID	Lab ID	Analytical Parameters	Sampling Method	Date
<b>Round 1 - June 18 - June 19, 2007</b>					
MW-1	MW01	AC31189-001	TCL VOC+10, PP Metals	Bladder Pump	6/18/2007
	DUP06	AC31189-006	TCL VOC+10, PP Metals	Bladder Pump	6/18/2007
MW-2	MW02	AC31189-002	TCL VOC+10, PP Metals	Bladder Pump	6/18/2007
MW-3	MW03	AC31189-003	TCL VOC+10, PP Metals	Bladder Pump	6/18/2007
MW-4	MW04	AC31189-004	TCL VOC+10, PP Metals	Bladder Pump	6/19/2007
MW-5	MW05	AC31189-005	TCL VOC+10, PP Metals	Bladder Pump	6/19/2007
<b>Round 2 - July 31, 2007</b>					
MW-1	MW01	AC32078-003	TCL VOC+10, PP Metals	Bladder Pump	7/31/2007
MW-2	MW02	AC32078-001	TCL VOC+10, PP Metals	Bladder Pump	7/31/2007
MW-3	MW03	AC32078-004	TCL VOC+10, PP Metals	Bladder Pump	7/31/2007
	DUP01	AC32078-006	TCL VOC+10, PP Metals	Bladder Pump	7/31/2007
MW-4	MW04	AC32078-005	TCL VOC+10, PP Metals	Bladder Pump	7/31/2007
MW-5	MW05	AC32078-002	TCL VOC+10, PP Metals	Bladder Pump	7/31/2007
<b>QA/QC Samples</b>					
FIELD BLANK	FB02	AC31189-007	TCL VOC+10, PP Metals	Bladder Pump	6/18/2007
FIELD BLANK	FB03	AC31189-008	TCL VOC+10, PP Metals	Bladder Pump	6/19/2007
TRIP BLANK	TB	AC31189-013	TCL VOC+10	NA	6/18/2007
FIELD BLANK	FB01	AC32078-007	TCL VOC+10, PP Metals	Bladder Pump	7/31/2007
TRIP BLANK	Trip Blank	AC32078-008	TCL VOC+10	NA	7/31/2007

**Notes:**

- TCL VOC+10 = Target Compound List Volatile Organic Compounds +10 (search for 10 non-target tentatively)
- PP Metals = Priority Pollutant Metals

**Table 5a**  
 NJDEP - Former Accutherm, Inc. Site  
 Franklin Township, New Jersey  
 Groundwater Analytical Results - June 2007

Field Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	Field Blanks		Trip Blank		
Sample ID	MW-1	DUP06	MW-2	MW-3	MW-4	MW-5	FB02	FB03	TB	
Sample ID	AC31189-001	AC31189-006	AC31189-002	AC31189-003	AC31189-004	AC31189-005	AC31189-007	AC31189-008	AC31189-013	
Sample Date	6/18/2007	6/18/2007	6/18/2007	6/18/2007	6/19/2007	6/19/2007	6/18/2007	6/19/2007	6/18/2007	
Analyte	GWQS									
<b>Metals</b>										
Antimony	6	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	NA
Arsenic	3	7.5 U	7.5 U	<b>18</b>	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	NA
Barium	6000	<b>380</b>	<b>390</b>	<b>210</b>	<b>130</b>	<b>320</b>	<b>240</b>	50 U	50 U	NA
Beryllium	1	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	NA
Cadmium	4	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	NA
Chromium	70	50 U	50 U	<b>83</b>	50 U	50 U	50 U	50 U	50 U	NA
Copper	1300	50 U	50 U	<b>60</b>	50 U	50 U	50 U	50 U	50 U	NA
Lead	5	<b>4.5</b>	4 U	<b>26</b>	4 U	4 U	4 U	4 U	4 U	NA
Mercury	2	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	<b>1.4</b>	0.7 U	0.7 U	NA
Nickel	100	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	NA
Selenium	40	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	NA
Silver	40	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	NA
Thallium	2	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	NA
Zinc	2000	<b>210</b>	50 U	<b>150</b>	<b>120</b>	50 U	<b>55</b>	50 U	50 U	NA
<b>Volatile Organic Compounds</b>										
1,1,1-Trichloroethane	30	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
1,1,2,2-Tetrachloroethane	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
1,1,2-Trichloroethane	3	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
1,1-Dichloroethane	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
1,1-Dichloroethylene	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
1,2-Dichloroethane	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
1,2-Dichloropropane	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
2-Butanone (MEK)	300	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U
2-Chloroethyl Vinyl Ether	NC	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U
2-Hexanone	NC	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U
4-Methyl-2-Pentanone(MIBK)	NC	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Acetone	6000	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	10 U
Acrolein	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	5 U
Acrylonitrile	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U
Bromodichloromethane	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Bromoform	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Bromomethane	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Carbon Disulfide	700	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Carbon Tetrachloride	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Chlorobenzene	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Chloroethane	NC	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	1 U
Chloroform	70	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Chloromethane	NC	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
cis-1,2-Dichloroethene	70	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
cis-1,3-Dichloropropene	NC	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Dibromochloromethane	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	3	5 U	5 U	5 U	<b>3 J</b>	5 U	5 U	5 U	5 U	2.5 U
o-Xylene	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	100	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Tetrachloroethene	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Toluene	600	1 U	1 U	1 U	<b>2.5</b>	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
trans-1,3-Dichloropropene	NC	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Trichloroethene	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Vinyl Chloride	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Xylene (Total)	1000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.5 U

- Notes:**
- All results are recorded in µg/L
  - GWQS = New Jersey Ground Water Quality Standards (Nov 2005)
  - NC = No Criteria
  - J = Estimated concentration
  - U = Compound not detected above the Sample Quantitation Limit; value shown is the Sample Quantitation Limit
  - NA = Not Analyzed
  - **Bold Value indicate positive detections**
  - **Bolded and Shaded Results indicate exceedences of GWQS**

**Table 5b**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
**Groundwater Analytical Results - July 2007**

Filed Sample ID	MW-1	MW-2	MW-3		MW-4	MW-5	Field Blank	Trip Blank	
Sample ID	MW01	MW02	MW03	DUP01	MW04	MW05	FB01	TB	
Lab Sample ID	AC32078-003	AC32078-001	AC32078-004	AC32078-006	AC32078-005	AC32078-002	AC32078-007	AC32078-008	
Sample Date	7/31/2007	7/31/2007	7/31/2007	7/31/2007	7/31/2007	7/31/2007	7/31/2007	7/31/2007	
Analyte	GWQC								
<b>Metals</b>									
Antimony	6	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	N/A
Arsenic	3	4 U	4 U	4 U	4 U	4 U	4 U	4 U	N/A
Barium	6000	<b>220</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>230</b>	<b>410</b>	25 U	N/A
Beryllium	1	4 U	4 U	4 U	4 U	4 U	4 U	4 U	N/A
Cadmium	4	2 U	2 U	2 U	2 U	2 U	2 U	2 U	N/A
Chromium	70	25 U	25 U	25 U	25 U	25 U	25 U	25 U	N/A
Copper	1300	25 U	25 U	25 U	25 U	25 U	25 U	25 U	N/A
Lead	5	5 U	<b>6.9</b>	5 U	5 U	5 U	5 U	5 U	N/A
Mercury	2	0.2 U	0.2 U	<b>0.57</b>	<b>0.6</b>	0.2 U	<b>2.6</b>	0.2 U	N/A
Nickel	100	10 U	10 U	10 U	10 U	10 U	10 U	10 U	N/A
Selenium	40	25 U	25 U	25 U	25 U	25 U	25 U	25 U	N/A
Silver	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	N/A
Thallium	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	N/A
Zinc	2000	25 U	25 U	25 U	25 U	25 U	25 U	25 U	N/A
<b>Volatile Organic Compounds</b>									
1,1,1-Trichloroethane	30	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethylene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	75	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	300	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Chloroethyl Vinyl Ether	NC	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Hexanone	NC	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Methyl-2-Pentanone(MIBK)	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	6000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrolein	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	3	2.5 U	2.5 U	<b>3.4</b>	2.5 U	<b>4.9</b>	2.5 U	2.5 U	<b>3.3</b>
o-Xylene	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (Total)	1000	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

**Notes:**

- All results are recorded in µg/L
- GWQS = New Jersey Ground Water Quality Standards (Nov 2005)
- NC = No Criteria
- J = Estimated concentration
- U = Compound not detected above the Sample Quantitation Limit; value shown is the Sample Quantitation Limit
- NA = Not Analyzed
- **Bold Value indicate positive detections**
- **Bolded and Shaded Results indicate exceedences of GWQS**

**TABLE 6**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
**Septic Tank and Brick Well Sample Summary Table**

Location ID	Sample ID	Media	Lab ID	Analytical Parameters	Sampling Method	Date
SS01	SS01	Septic (Solid)	AC30452-005	TCL VOC+10, TCL BN+15, TPHC, Mercury, Lead	Grab Sample	5/15/2007
SL01	SL01	Septic (Liquid)	AC03452-006	TCL VOC+10, TCL BN+15, TPHC, Mercury, Lead	Teflon Bailer	5/15/2007
BW-1	BW-1	Brick Well (Solid)	AC31189-011	TCL VOC+10, TCL BN+15, TPHC, Mercury, Lead	Teflon Bailer	6/19/2007
<b>QA/QC SAMPLES</b>						
Field Blank	FB01	Water	AC30452-007	TCL VOC+10, TCL BN+15, TPHC, Mercury, Lead	Teflon Bailer	5/15/2007
Trip Blank	Trip Blank	Water	AC30452-009	TCL VOC+10	NA	5/15/2007
	Trip Blank	Methanol	AC30452-008	TCL VOC+10	NA	5/15/2007
	Trip Blank	Methanol	AC31189-012	TCL VOC+10	NA	6/19/2007

**Notes:**

- TPHC = Total Petroleum Hydrocarbons
- TCL VOC+10 = Target Compound List Volatile Organic Compounds +10 (search for 10 non-target tentatively identified compounds)
- TCL BN+15 = Target Compound List Base/Neutral Compounds +15 (search for 15 non-target tentatively identified compounds)

**TABLE 7a**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
**Septic Tank and Brick Well Analytical Results (Solid)**

				Location ID	SS01	BW-1	Trip Blank
				Sample ID	SS01	BW-1	Trip Blank
				Lab Sample ID	AC30452-005	AC31189-011	AC30452-008
				Sample Date	5/15/2007	6/19/2007	5/15/2007
Analyte	NRDCSCC	RDCSCC	IGWSCC				
<b>Metals</b>							
Lead	600	400	NC	<b>28</b>	<b>370</b>	NA	
Mercury	270	14	NC	<b>11</b>	<b>0.13</b>	NA	
<b>Total Petroleum Hydrocarbons</b>							
Total Petroleum Hydrocarbons	NC	10000	NC	NA	<b>97</b>	NA	
<b>Volatile Organic Compounds</b>							
1,1,1-Trichloroethane	1000	210	50	0.81 U	0.63 U	0.5 U	
1,1,2,2-Tetrachloroethane	70	34	1	0.81 U	0.63 U	0.5 U	
1,1,2-Trichloroethane	420	22	1	0.81 U	0.63 U	0.5 U	
1,1-Dichloroethane	1000	570	10	0.81 U	0.63 U	0.5 U	
1,1-Dichloroethylene	150	8	10	0.81 U	0.63 U	0.5 U	
1,2-Dichloroethane	24	6	1	0.81 U	0.63 U	0.5 U	
1,2-Dichloropropane	43	10	NC	0.81 U	0.63 U	0.5 U	
2-Butanone (MEK)	1000	1000	50	0.81 U	0.63 U	0.5 U	
2-Chloroethyl Vinyl Ether	NC	NC	NC	0.81 U	0.63 U	0.5 U	
2-Hexanone	NC	NC	NC	0.81 U	0.63 U	0.5 U	
4-Methyl-2-Pentanone(MIBK)	1000	1000	50	0.81 U	0.63 U	0.5 U	
Acetone	1000	1000	100	4.1 U	3.1 U	2.5 U	
Acrolein	NC	NC	NC	4.1 U	3.1 U	2.5 U	
Acrylonitrile	5	1	1	0.81 U	0.63 U	0.5 U	
Benzene	13	3	1	0.16 U	0.13 U	0.1 U	
Bromodichloromethane	46	11	1	0.81 U	0.63 U	0.5 U	
Bromoform	370	86	1	0.81 U	0.63 U	0.5 U	
Bromomethane	1000	79	1	0.81 U	0.63 U	0.5 U	
Carbon Disulfide	NC	NC	NC	0.81 U	0.63 U	0.5 U	
Carbon Tetrachloride	4	2	1	0.81 U	0.63 U	0.5 U	
Chlorobenzene	680	37	1	0.81 U	0.63 U	0.5 U	
Chloroethane	NC	NC	NC	0.81 U	0.63 U	0.5 U	
Chloroform	28	19	1	0.81 U	0.63 U	0.5 U	
Chloromethane	1000	520	10	0.81 U	0.63 U	0.5 U	
cis-1,2-Dichloroethene	1000	79	1	0.81 U	0.63 U	0.5 U	
cis-1,3-Dichloropropene	NC	NC	NC	0.81 U	0.63 U	0.5 U	
Dibromochloromethane	1000	110	1	0.81 U	0.63 U	0.5 U	
Ethylbenzene	1000	1000	100	0.16 U	0.13 U	0.1 U	
Methylene Chloride	210	49	1	0.81 U	0.63 U	0.5 U	
o-Xylene	NC	NC	NC	0.16 U	0.13 U	0.1 U	
Styrene	97	23	100	0.81 U	0.63 U	0.5 U	
Tetrachloroethene	6	4	1	0.81 U	0.63 U	0.5 U	
Toluene	1000	1000	500	<b>0.33</b>	0.13 U	0.1 U	
trans-1,2-Dichloroethene	1000	1000	50	0.81 U	0.63 U	0.5 U	
trans-1,3-Dichloropropene	NC	NC	NC	0.81 U	0.63 U	0.5 U	
Trichloroethene	54	23	1	0.81 U	0.63 U	0.5 U	
Vinyl Chloride	7	2	10	0.81 U	0.63 U	0.5 U	
Xylene (Total)	1000	410	67	0.32 U	0.25 U	0.2 U	
<b>Semi-Volatile Organic Compounds</b>							
1,2,4-Trichlorobenzene	1200	68	100	0.44 U	0.39 U	NA	
1,2-Dichlorobenzene	10000	5100	50	0.44 U	0.39 U	NA	
1,2-Diphenylhydrazine	NC	NC	NC	0.44 U	0.39 U	NA	
1,3-Dichlorobenzene	10000	5100	100	0.44 U	0.39 U	NA	
1,4-Dichlorobenzene	10000	570	100	0.44 U	0.39 U	NA	
2,4-Dinitrotoluene	NC	NC	NC	0.44 U	0.39 U	NA	
2,6-Dinitrotoluene	NC	NC	NC	0.44 U	0.39 U	NA	
2-Chloronaphthalene	NC	NC	NC	0.44 U	0.39 U	NA	
2-Methylnaphthalene	NC	NC	NC	0.44 U	0.39 U	NA	
2-Nitroaniline	NC	NC	NC	0.44 U	0.39 U	NA	
3,3-Dichlorobenzidine	6	2	100	0.44 U	0.39 U	NA	
3-Nitroaniline	NC	NC	NC	0.44 U	0.39 U	NA	
4-Bromophenyl Phenyl Ether	NC	NC	NC	0.44 U	0.39 U	NA	
4-Chloroaniline	4200	230	NC	0.44 U	0.39 U	NA	
4-Chlorophenyl-phenylether	NC	NC	NC	0.44 U	0.39 U	NA	
4-Nitroaniline	NC	NC	NC	0.44 U	0.39 U	NA	

**Notes:**

- All results in mg/kg
- NRDCSCC = New Jersey Non-Residential Direct Contact Soil Cleanup Criteria (May, 1999)
- RDCSCC = New Jersey Residential Direct Contact Soil Cleanup Criteria (May, 1999)
- IGWSCC = New Jersey Impact to Ground Water Soil Cleanup Criteria (May, 1999)
- NA = Not Analyzed
- NC = No Criteria
- J = Estimated value
- U = Compound not detected above the Sample Quantitation Limit, value shown is the Sample Quantitation Limit
- **Bold values indicate positive detections**



**TABLE 7a**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
**Septic Tank and Brick Well Analytical Results (Solid)**

	<i>Location ID</i>			SS01	BW-1	Trip Blank
	<i>Sample ID</i>			SS01	BW-1	Trip Blank
	<i>Lab Sample ID</i>			AC30452-005	AC31189-011	AC30452-008
	<i>Sample Date</i>			5/15/2007	6/19/2007	5/15/2007
<i>Analyte</i>	<i>NRDCSCC</i>	<i>RDCSCC</i>	<i>IGWSCC</i>			
<b>Semi-Volatile Organic Compounds</b>						
Acenaphthene	10000	3400	100	<b>0.11 J</b>	0.39 U	NA
Acenaphthylene	NC	NC	NC	0.44 U	0.39 U	NA
Anthracene	10000	10000	100	<b>0.12 J</b>	0.39 U	NA
Benzidine	NC	NC	NC	0.44 U	0.39 U	NA
Benzo(a)anthracene	4	0.9	500	<b>0.21 J</b>	0.98 U	NA
Benzo(a)pyrene	0.66	0.66	100	<b>0.17 J</b>	0.39 U	NA
Benzo(b)fluoranthene	4	0.9	50	<b>0.23 J</b>	0.39 U	NA
Benzo(g,h,i)perylene	NC	NC	NC	<b>0.11 J</b>	0.39 U	NA
Benzo(k)fluoranthene	4	0.9	500	<b>0.076 J</b>	0.39 U	NA
bis(2-Chloroethoxy)Methane	NC	NC	NC	0.44 U	0.39 U	NA
bis(2-Chloroethyl)Ether	3	0.66	1	0.44 U	0.39 U	NA
bis(2-Chloroisopropyl) Ether	10000	2300	10	0.44 U	0.39 U	NA
bis(2-Ethylhexyl)Phthalate	210	49	100	<b>0.062 J</b>	0.39 U	NA
Butylbenzylphthalate	10000	1100	100	0.44 U	0.39 U	NA
Carbazole	NC	NC	NC	<b>0.074 J</b>	0.39 U	NA
Chrysene	40	9	500	<b>0.23 J</b>	0.39 U	NA
Dibenz(a,h)anthracene	0.66	0.66	100	0.44 U	0.39 U	NA
Dibenzofuran	NC	NC	NC	0.44 U	0.39 U	NA
Diethylphthalate	10000	10000	50	0.44 U	0.39 U	NA
Dimethyl Phthalate	10000	10000	50	0.44 U	0.39 U	NA
Di-n-butylphthalate	10000	5700	100	0.44 U	0.39 U	NA
Di-n-octylphthalate	10000	1100	100	0.44 U	0.39 U	NA
Fluoranthene	10000	2300	100	<b>0.4 J</b>	0.39 U	NA
Fluorene	10000	2300	100	<b>0.14 J</b>	0.39 U	NA
Hexachlorobenzene	2	0.66	100	0.44 U	0.39 U	NA
Hexachlorobutadiene	21	1	100	0.44 U	0.39 U	NA
Hexachlorocyclopentadiene	7300	400	100	0.44 U	0.39 U	NA
Hexachloroethane	100	6	100	0.44 U	0.39 U	NA
Indeno(1,2,3-cd)Pyrene	4	0.9	500	<b>0.1 J</b>	0.39 U	NA
Isophorone	10000	1100	50	0.44 U	0.39 U	NA
Methanamine, n-Methyl-n-Nitroso	NC	NC	NC	0.44 U	0.39 U	NA
Naphthalene	4200	230	100	<b>0.13 J</b>	0.39 U	NA
Nitrobenzene	520	28	10	0.44 U	0.39 U	NA
N-Nitroso-di-n-propylamine	0.66	0.66	10	0.44 U	0.39 U	NA
N-Nitrosodiphenylamine	600	140	100	0.44 U	0.39 U	NA
Phenanthrene	NC	NC	NC	<b>0.66</b>	0.39 U	NA
Pyrene	10000	1700	100	<b>0.51</b>	0.39 U	NA

**Notes:**

- All results in mg/kg
- NRDCSCC = New Jersey Non-Residential Direct Contact Soil Cleanup Criteria (May, 1999)
- RDCSCC = New Jersey Residential Direct Contact Soil Cleanup Criteria (May, 1999)
- IGWSCC = New Jersey Impact to Ground Water Soil Cleanup Criteria (May, 1999)
- NA = Not Analyzed
- NC = No Criteria
- J = Estimated value
- U = Compound not detected above the Sample Quantitation Limit, value shown is the Sample Quantitation Limit
- **Bold values indicate positive detections**

**Table 7b**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
**Septic Tank Analytical Results (Liquid)**

	<i>Location ID</i>	SL01	Field Blank	Trip Blank
	<i>Sample ID</i>	SL01	FB01	Trip Blank
	<i>Lab Sample ID</i>	AC30452-006	AC30452-007	AC30452-009
	<i>Sample Date</i>	5/15/2007	5/15/2007	5/15/2007
<i>Analyte</i>	<i>GWQS</i>			
<b>Metals</b>				
Lead	5	4 U	4 U	NA
Mercury	2	<b>24</b>	0.7 U	NA
<b>Total Petroleum Hydrocarbons</b>				
Total Petroleum Hydrocarbons	NC	<b>1.7</b>	1 U	NA
<b>Volatile Organic Compounds</b>				
1,1,1-Trichloroethane	30	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	1	5 U	5 U	5 U
1,1,2-Trichloroethane	3	5 U	5 U	5 U
1,1-Dichloroethane	50	5 U	5 U	5 U
1,1-Dichloroethylene	1	5 U	5 U	5 U
1,2-Dichloroethane	2	5 U	5 U	5 U
1,2-Dichloropropane	1	5 U	5 U	5 U
2-Butanone (MEK)	300	<b>15</b>	5 U	5 U
2-Chloroethyl Vinyl Ether	NC	5 U	5 U	5 U
2-Hexanone	NC	5 U	5 U	5 U
4-Methyl-2-Pentanone(MIBK)	NC	5 U	5 U	5 U
Acetone	6000	<b>170</b>	25 U	25 U
Acrolein	5	25 U	25 U	25 U
Acrylonitrile	2	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U
Bromodichloromethane	1	5 U	5 U	5 U
Bromoform	4	5 U	5 U	5 U
Bromomethane	10	5 U	5 U	5 U
Carbon Disulfide	700	5 U	5 U	5 U
Carbon Tetrachloride	1	5 U	5 U	5 U
Chlorobenzene	50	<b>2.3 J</b>	5 U	5 U
Chloroethane	NC	5 U	5 U	5 U
Chloroform	70	5 U	5 U	5 U
Chloromethane	NC	5 U	5 U	5 U
cis-1,2-Dichloroethene	70	5 U	5 U	5 U
cis-1,3-Dichloropropene	NC	5 U	5 U	5 U
Dibromochloromethane	1	5 U	5 U	5 U
Ethylbenzene	700	1 U	1 U	1 U
Methylene Chloride	3	5 U	<b>3 J</b>	5 U
o-Xylene	NC	1 U	1 U	1 U
Styrene	100	5 U	5 U	5 U
Tetrachloroethene	1	5 U	5 U	5 U
Toluene	1000	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	5 U	5 U	5 U
trans-1,3-Dichloropropene	NC	5 U	5 U	5 U
Trichloroethene	1	5 U	5 U	5 U
Vinyl Chloride	1	5 U	5 U	5 U
Xylene (Total)	1000	2 U	2 U	2 U
<b>Semi-Volatile Organic Compounds</b>				
1,2,4-Trichlorobenzene	9	10 U	10 U	NA
1,2-Dichlorobenzene	600	10 U	10 U	NA
1,2-Diphenylhydrazine	20	10 U	10 U	NA
1,3-Dichlorobenzene	600	10 U	10 U	NA
1,4-Dichlorobenzene	75	10 U	10 U	NA
2,4-Dinitrotoluene	NC	10 U	10 U	NA
2,6-Dinitrotoluene	NC	10 U	10 U	NA
2-Chloronaphthalene	600	10 U	10 U	NA
2-Methylnaphthalene	NC	10 U	10 U	NA
2-Nitroaniline	NC	10 U	10 U	NA
3,3-Dichlorobenzidine	30	10 U	10 U	NA
3-Nitroaniline	NC	10 U	10 U	NA

**Notes:**

- All results in µg/L
- GWQS = New Jersey Ground Water Quality Standards (Nov. 2005)
- NC = No Criteria
- J = Estimated Concentration
- U = Not detected above the Sample Quantitation Limit; value shown is the Sample Quantitation Limit
- NA = Not Analyzed
- **Bold values indicate positive detections.**
- **Bold and Shaded values indicate concentrations above GWQS**

**Table 7b**  
*NJDEP - Former Accuterm, Inc. Site*  
*Franklin Township, New Jersey*  
**Septic Tank Analytical Results (Liquid)**

	<i>Location ID</i>	SL01	Field Blank	Trip Blank
	<i>Sample ID</i>	SL01	FB01	Trip Blank
	<i>Lab Sample ID</i>	AC30452-006	AC30452-007	AC30452-009
	<i>Sample Date</i>	5/15/2007	5/15/2007	5/15/2007
<i>Analyte</i>	<i>GWQS</i>			
<b>Semi-Volatile Organic Compounds</b>				
4-Bromophenyl Phenyl Ether	NC	10 U	10 U	NA
4-Chloroaniline	30	10 U	10 U	NA
4-Chlorophenyl-phenylether	NC	10 U	10 U	NA
4-Nitroaniline	NC	10 U	10 U	NA
Acenaphthene	400	10 U	10 U	NA
Acenaphthylene	NC	10 U	10 U	NA
Anthracene	2000	10 U	10 U	NA
Benzidine	20	<b>94</b>	26 U	NA
Benzo(a)anthracene	0.1	10 U	10 U	NA
Benzo(a)pyrene	0.1	10 U	10 U	NA
Benzo(b)fluoranthene	0.2	10 U	10 U	NA
Benzo(g,h,i)perylene	NC	10 U	10 U	NA
Benzo(k)fluoranthene	0.5	10 U	10 U	NA
bis(2-Chloroethoxy)Methane	NC	10 U	10 U	NA
bis(2-Chloroethyl)Ether	7	10 U	10 U	NA
bis(2-Chloroisopropyl) Ether	300	10 U	10 U	NA
bis(2-Ethylhexyl)Phthalate	3	10 U	10 U	NA
Butylbenzylphthalate	100	10 U	10 U	NA
Carbazole	NC	10 U	10 U	NA
Chrysene	5	10 U	10 U	NA
Dibenz(a,h)anthracene	0.3	10 U	10 U	NA
Dibenzofuran	NC	10 U	10 U	NA
Diethylphthalate	6000	10 U	10 U	NA
Dimethyl Phthalate	NC	10 U	10 U	NA
Di-n-butylphthalate	700	10 U	10 U	NA
Di-n-octylphthalate	100	10 U	10 U	NA
Fluoranthene	300	10 U	10 U	NA
Fluorene	300	10 U	10 U	NA
Hexachlorobenzene	0.02	10 U	10 U	NA
Hexachlorobutadiene	1	10 U	10 U	NA
Hexachlorocyclopentadiene	40	10 U	10 U	NA
Hexachloroethane	7	10 U	10 U	NA
Indeno(1,2,3-cd)Pyrene	0.2	10 U	10 U	NA
Isophorone	40	10 U	10 U	NA
Methanamine, n-Methyl-n-Nitroso	0.8	10 U	10 U	NA
Naphthalene	300	10 U	10 U	NA
Nitrobenzene	6	10 U	10 U	NA
N-Nitroso-di-n-propylamine	10	10 U	10 U	NA
N-Nitrosodiphenylamine	10	10 U	10 U	NA
Phenanthrene	NC	10 U	10 U	NA
Pyrene	200	10 U	10 U	NA

**Notes:**

- All results in µg/L
- GWQS = New Jersey Ground Water Quality Standards (Nov. 2005)
- NC = No Criteria
- J = Estimated Concentration
- U = Not detected above the Sample Quantitation Limit; value shown is the Sample Quantitation Limit
- NA = Not Analyzed
- **Bold values indicate positive detections.**
- **Bold and Shaded values indicate concentrations above GWQS**

**TABLE 8a**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
**Demolition Option Cost Estimate**

Activity	Quantity	Units	Unit Cost	Cost
Labor for Demolition, Loading, and Site Restoration <sup>1</sup>	12	Days	\$ 5,000	\$ 60,000
Equipment for Demolition, Loading, and Site Restoration <sup>2</sup>	1	Lump Sum	\$ 20,000	\$ 20,000
Transportation and Disposal of Demolition Debris to a Licensed Facility <sup>3</sup>	550	Tons	\$ 400	\$ 220,000
Clean Fill to Backfill Former Building Foundation	600	Tons	\$ 20	\$ 12,000
Cleaning of Septic Tank (contents mercury-contaminated)	1	Lump Sum	\$ 5,000	\$ 5,000
Septic System Removal <sup>4</sup>	2	Days	\$ 5,000	\$ 10,000
Transportation and Disposal of Leach Field Soil <sup>5</sup>	150	Tons	\$ 400	\$ 60,000
Clean Fill to Backfill Former Leach Fields	150	Tons	\$ 20	\$ 3,000
Post-Demolition Sampling of Soil Beneath Building Foundation <sup>6</sup>	1	Lump Sum	\$ 2,000	\$ 2,000
Air Monitoring, H&S Oversight, HASP <sup>7</sup>	1	Lump Sum	\$ 15,000	\$ 15,000

**Subtotal \$ 407,000**

Engineering Design @ 10% \$ 40,700

Client Contract Administration @ 5% \$ 20,350

Contingency @ 20% \$ 81,400

**TOTAL \$ 549,450**

Notes:

1 - Labor costs include five laborers, one operator, and one supervisor per day, with Level C PPE as required. Assumes 10 days for demolition and loading, and 2 days for site restoration. An average of approximately 40 cubic yards (55 tons) of demolition debris could be loaded and transported per day.

2 - Equipment costs include an excavator and a front end loader, each on-site for 12 days.

3 - Approximate disposal unit cost based on estimate provided by environmental contractor. Includes disposal of 370 cubic yards (550 tons) at a licensed facility of all building materials, which are assumed to be mercury-contaminated, but at less than 260 mg/kg (retort threshold).

4 - Septic system removal includes removal of concrete septic tank and all piping (including disposal field piping). Assumes two days of labor, and that the materials will be disposed of with the building demolition debris (included in transportation and disposal line items).

5 - Leach field soil is associated with both the abandoned and new leach fields. The soil is assumed to be classified as hazardous for mercury (above 0.2 mg/l, which is the USEPA Maximum Contaminant Concentration for mercury by Toxicity Characteristic Leaching Procedure [TCLP methods]).

6 - Includes labor and analytical costs to collect approximately 10 soil samples from the building footprint for mercury analysis, with expedited turnaround time.

7 - Air monitoring includes real-time dust and mercury vapor monitoring via field instruments, with oversight of an air monitoring technician.

**TABLE 8b**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
**Decontamination for Reoccupancy Option Cost Estimate**

Activity	Quantity	Units	Unit Cost	Total
Labor to remove "finishing materials," including drywall, insulation, carpeting, HVAC, etc. <sup>1</sup>	5	Days	\$ 4,000	\$ 20,000
Transportation and Disposal of Demolition Debris ("finishing materials") to a Licensed Facility	100	Tons	\$ 400	\$ 40,000
Decontamination (includes application of HgX, cleaning, and disposal of decon solutions) <sup>2</sup>	1	Lump Sum	\$ 100,000	\$ 100,000
Cleaning of Septic Tank (contents mercury-contaminated)	1	Lump Sum	\$ 5,000	\$ 5,000
Replacement of Septic Disposal Field (septic tank and main delivery lateral to remain) <sup>3</sup>	1	Lump Sum	\$ 10,000	\$ 10,000
Transportation and Disposal of Leach Field Soil <sup>4</sup>	150	Tons	\$ 400	\$ 60,000
Clean Fill for Backfilling Abandoned Disposal Field and Constructing Replacement Septic Disposal Field	150	Tons	\$ 20	\$ 3,000
Labor and Materials to Replace "Finishing Materials" <sup>5</sup>	1	Lump Sum	\$ 100,000	\$ 100,000
Labor and Materials to Replace HVAC system. <sup>5</sup>	1	Lump Sum	\$ 50,000	\$ 50,000
Confirmation Air and Wipe Sampling and Analysis.	1	Lump Sum	\$ 7,000	\$ 7,000
Air Monitoring, H&S Oversight, HASP <sup>6</sup>	1	Lump Sum	\$ 15,000	\$ 15,000

<b>Subtotal</b>	<b>\$ 410,000</b>
Engineering Design @10%	\$ 41,000
Client Contract Administration @ 5%	\$ 20,500
Contingency @ 20%	\$ 82,000
<b>TOTAL</b>	<b>\$ 553,500</b>

Notes:

- 1 - Labor costs include five laborers and one supervisor in Level C PPE.
- 2 - The mercury decontamination solution, HgX, would be applied using low-volume sprayers, brushes, or mops, with care to minimize spillage and pooling. After allowing the HgX to work overnight, the residue would then be wiped from all building surfaces to the extent possible, and all cleaning solutions would be drummed for off-site disposal.
- 3 - Lump sum cost for replacement of septic disposal field includes labor, equipment (backhoe), and materials for septic system components (PVC, etc.).
- 4 - Leach field soil is associated with both the abandoned and new leach fields. The soil is assumed to be classified as hazardous for mercury (above 0.2 mg/kg, which is the USEPA Maximum Contaminant Concentration for Mercury by Toxicity Characteristic Leaching Procedure [TCLP] methods)
- 5 - Estimated costs for the replacement of building materials and HVAC system based on RSMeans Building Construction Cost Data for 2007. Includes ceilings, drywall, flooring, painting, carpeting, and renovated plumbing and electricity, and assumes successful decontamination (i.e., only Level D PPE is required).
- 6 - Air monitoring includes real-time dust and mercury vapor monitoring via field instruments, with oversight of an air monitoring technician.

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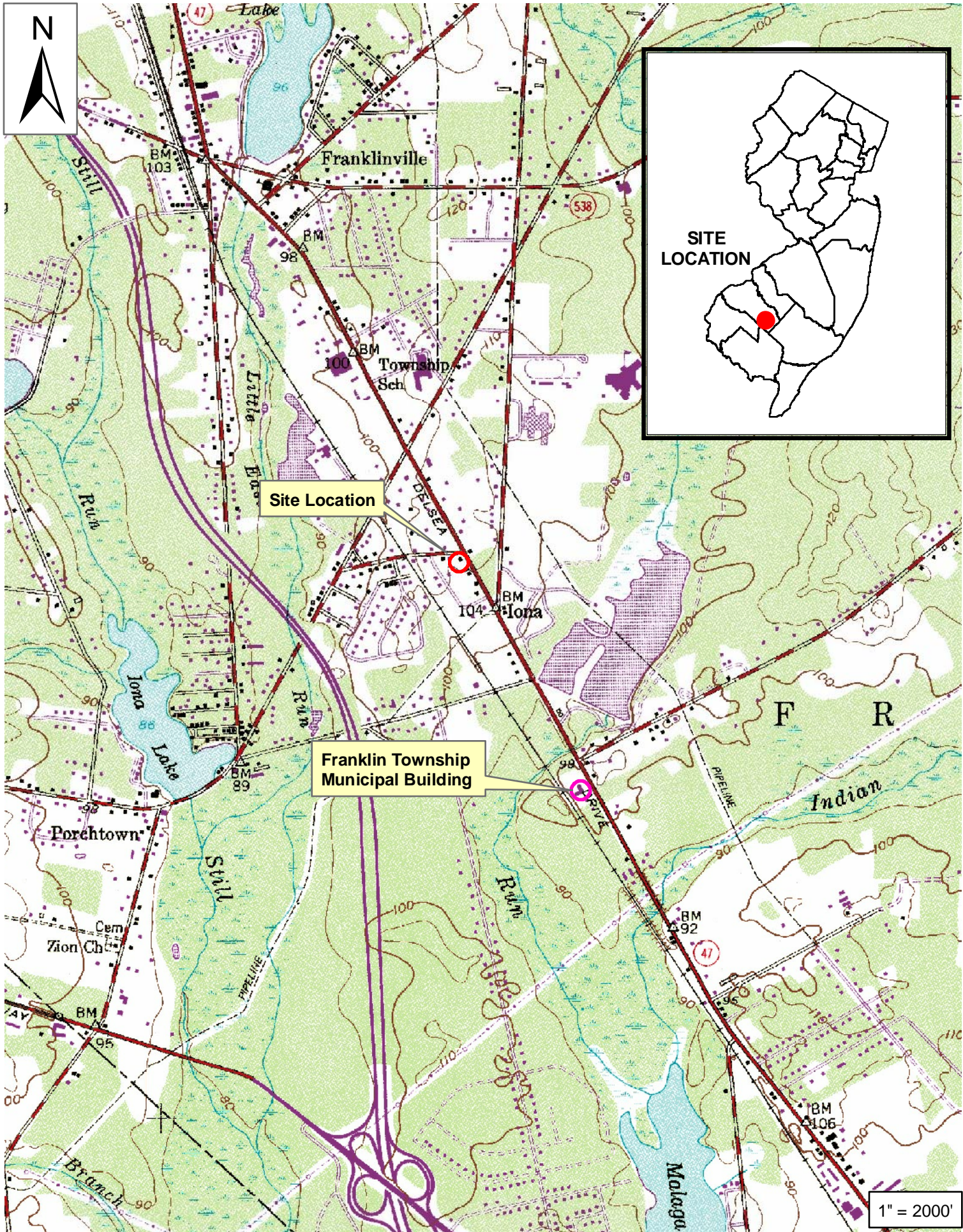
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## **FIGURES**

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Block 4109,  
Lot 6

DELSEA DRIVE

STATION AVENUE

ABANDONED  
LEACH  
FIELD

MW04

MW01

MW02

Block 4111,  
Lot 1

SEPTIC  
TANK

NEW LEACH FIELD

MW05

Brick  
Well

Building

Potable  
Well

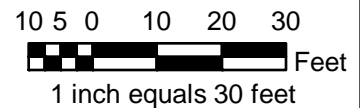
MW03

Block 4111,  
Lot 9

Block 4111,  
Lot 2

### Legend

-  Site Boundary
-  Property Boundary
-  Septic System
-  Building
-  Potable Well (Approximate) and Pipe
-  Monitoring Well
-  Brick Well



Block 4111,  
Lot 7

Block 4111,  
Lot 3

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N.J. Department  
of Environmental  
Protection

FORMER ACCUTHERM, INC. SITE, FRANKLIN TWP., NEW JERSEY

### SITE PLAN

NJDEP CONTRACT No. A-60243

The Louis Berger Group, Inc.



412 Mt. Kemble Ave.  
Morristown, NJ 07960

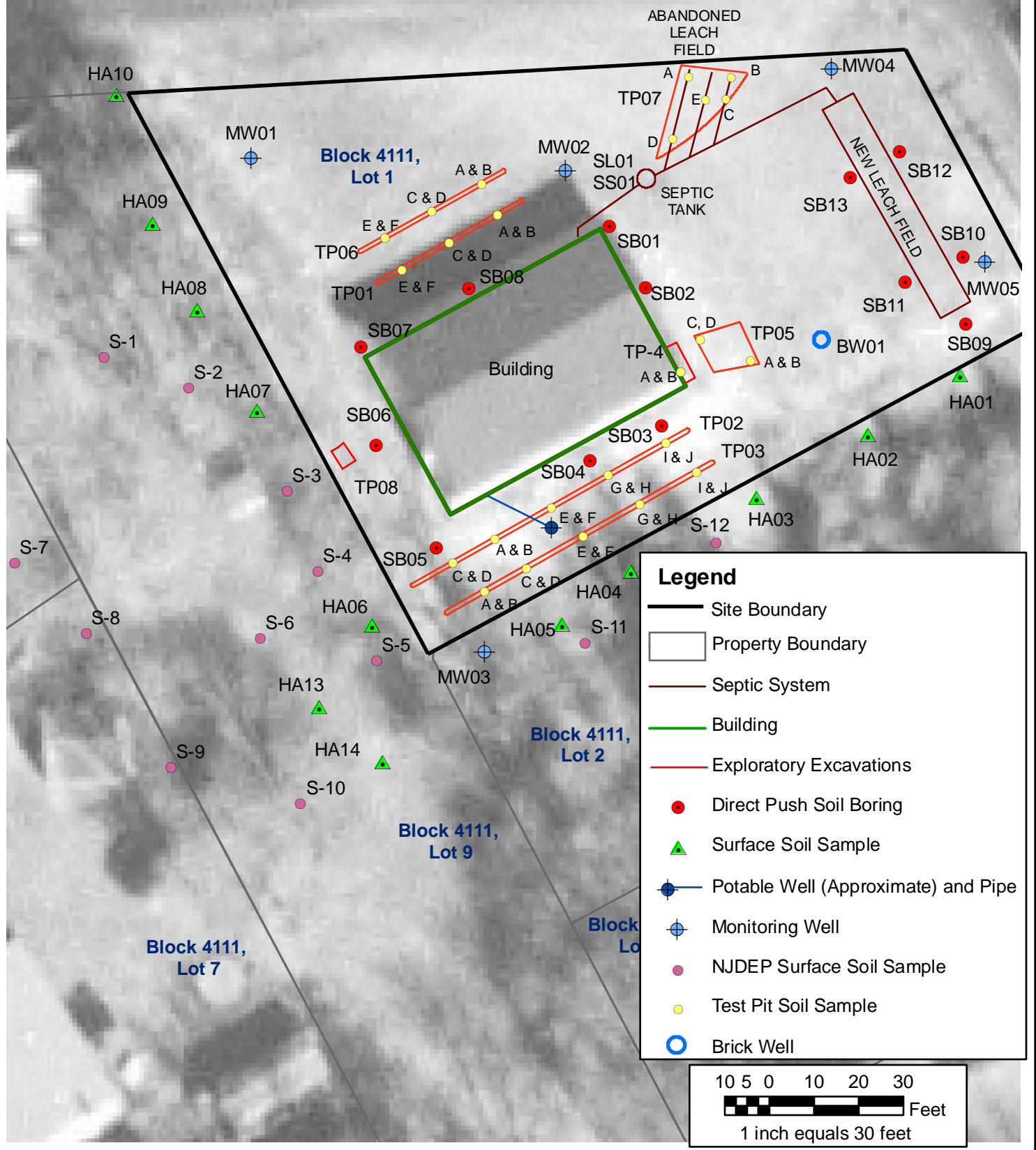
FIGURE 2





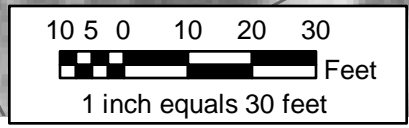
STATION AVENUE

SEA DRIVE



**Legend**

- Site Boundary
- Property Boundary
- Septic System
- Building
- Exploratory Excavations
- Direct Push Soil Boring
- Surface Soil Sample
- Potable Well (Approximate) and Pipe
- Monitoring Well
- NJDEP Surface Soil Sample
- Test Pit Soil Sample
- Brick Well



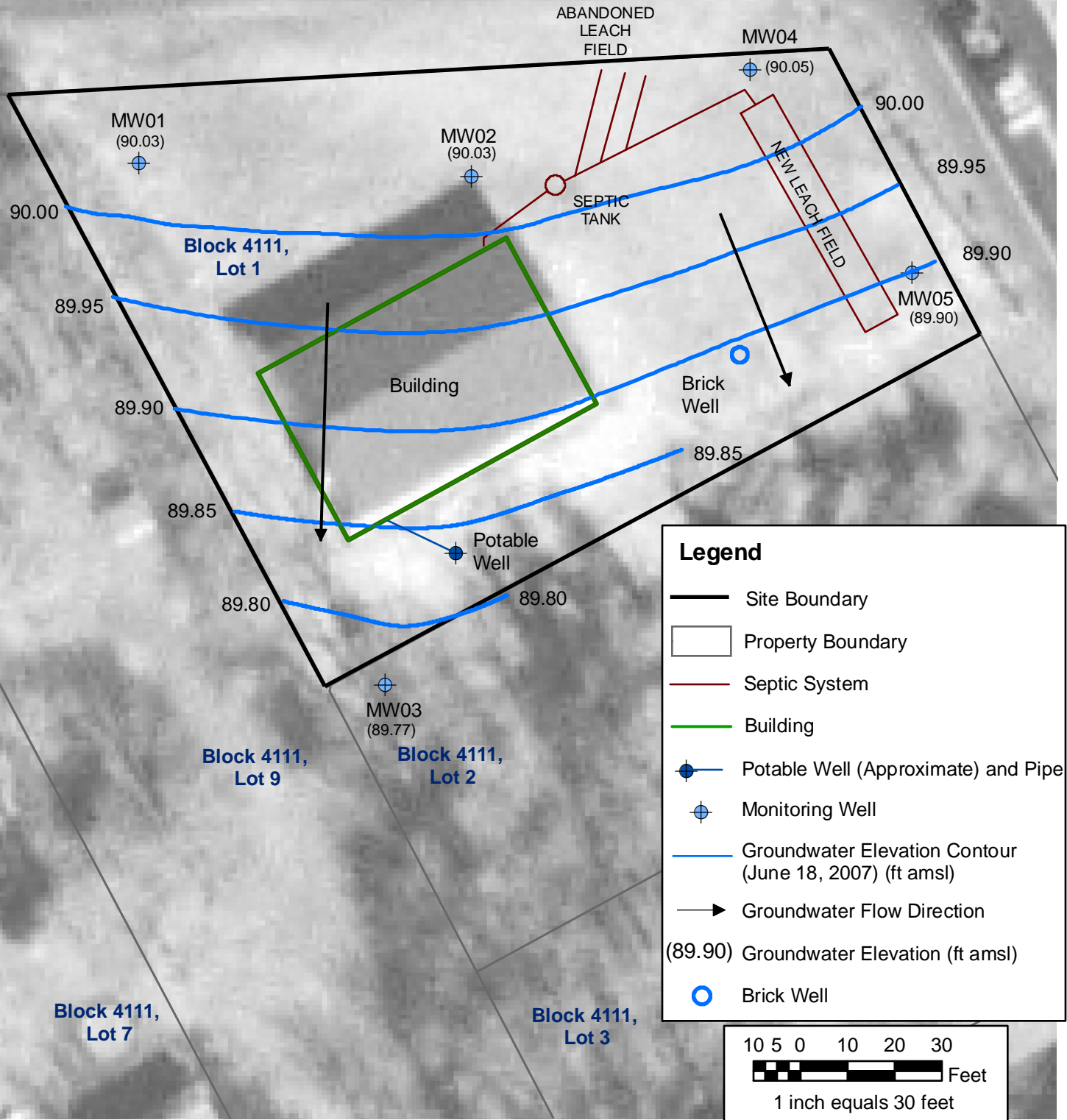
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Block 4109,  
Lot 6

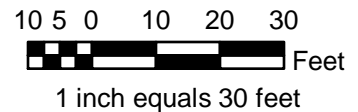
DELSEAD DRIVE

STATION AVENUE



### Legend

- Site Boundary
- Property Boundary
- Septic System
- Building
- Potable Well (Approximate) and Pipe
- Monitoring Well
- Groundwater Elevation Contour (June 18, 2007) (ft amsl)
- Groundwater Flow Direction
- (89.90) Groundwater Elevation (ft amsl)
- Brick Well



GAIDempseyNJDEP - III AccuTherm/GIS



N.J. Department  
of Environmental  
Protection

FORMER ACCUTHERM, INC. SITE, FRANKLIN TWP., NEW JERSEY  
**GROUNDWATER ELEVATION CONTOUR MAP**  
NJDEP CONTRACT No. A-60243

**The Louis Berger Group, Inc.**  
412 Mt. Kemble Ave.  
Morristown, NJ 07960

**FIGURE 4**



Block 4109,  
Lot 6

Sample ID	MW04	MW04
Sample Date	6/18/2007	7/31/2007
<b>VOCs</b>	<b>GWQS</b>	
Methylene Chloride	3	5 U
		<b>4.9</b>

STATION AVENUE

DELSEA DRIVE

Sample ID	MW02	MW02
Sample Date	6/18/2007	7/31/2007
<b>Metals</b>	<b>GWQS</b>	
Arsenic	3	<b>18</b>
Chromium	70	<b>83</b>
Lead	5	<b>26</b>
		<b>6.9</b>

ABANDONED  
LEACH  
FIELD

SEPTIC  
TANK

MW04

MW01

MW02

Block 4111,  
Lot 1

Brick  
Well

NEW LEACH FIELD

MW05

Building

Sample ID	MW05	MW05
Sample Date	6/18/2007	7/31/2007
<b>Metals</b>	<b>GWQS</b>	
Mercury	2	<b>1.4</b>
		<b>2.6</b>

Potable  
Well

Block 4111,  
Lot 9

MW03

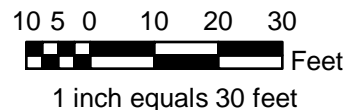
Block 4111,  
Lot 2

Sample ID	MW03	MW03
Sample Date	6/18/2007	7/31/2007
<b>VOCs</b>	<b>GWQS</b>	
Methylene Chloride	3	<b>3 J</b>
		<b>3.4</b>

**Legend**

- Site Boundary
- Property Boundary
- Septic System
- Building
- Potable Well (Approximate) and Pipe
- Monitoring Well
- Brick Well

Block 4111,  
Lot 3



All units presented in ug/l (ppb)  
 GWQS = NJDEP Groundwater Quality Standard  
 Bolded values indicate positive detections  
 Shaded values indicate an exceedance of the GWQS  
 U = analyte not detected above the shown sample quantitation limit  
 J = estimated value

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**Appendix A – Former Accutherm, Inc. Site Timeline**

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Working Document – Timeline  
August 8, 2006  
Accutherm, Inc.  
Franklin Township, Gloucester County

APPENDIX BY KAREN KLOOS, NJDEP

1

- A June 8, 1984 - Accutherm purchased the site at 1600 Delsea Drive. The site was formerly used for manufacturing thermometers and related instruments.
- B November 30, 1987 - Gloucester County Health Department notified Accutherm of an elevated level of tetrachloroethylene in the drinking water.
- C December 28, 1987 - Gloucester County Health Department requested assistance from OSHA in regard to mercury levels found in blood samples of the employees at the site.
- D April 13, 1988 - NJDEP issued order to Accutherm to cease the discharge of all industrial pollutants to its septic system.
- E June 20, 1988 - NJDEP directed Accutherm to obtain classification of the contents of the septic tank. Previous soil and aqueous sample results revealed that mercury and petroleum hydrocarbons had been discharged to septic system.
- F April 24, 1990 - OSHA notified the Mayor of Franklin Township by letter and spoke with the Franklin Township building inspector of the mercury hazards at the subject site.
- G January 1, 1994 Accutherm ceased operation. The cessation of operations was an ISRA triggering event; however Accutherm failed to comply with the ISRA requirements.
- H May 18, 1994 - Navillus Group, L.L.C. acquired Franklin Township tax sale certificate 94-146 for the site.
- I September 21, 1994, an environmental investigation was initiated by Midlantic National Bank which held the mortgage on the property. The consultant representing the bank reported observing free phase mercury inside the building. Mercury vapors were also detected at concentrations that exceeded OSHA and NIOSH standards for industrial facilities. The concentration of mercury vapor was reported to be three times the OSHA and NIOSH TWA levels.
- J September 28, 1994 - The attorney representing Midlantic National Bank provided Walter Roth, the attorney representing Accutherm, with a copy of the environmental investigation conducted at the subject site. Midlantic's attorney also advised Accutherm to notify the Gloucester County Health Department and to "immediately" post warning signs on the site.
- K September 29, 1994 - Attorneys for Accutherm notified Gloucester County Health Department of the findings of the September 21, 1994 environmental investigation of the site performed by Midlantic. A copy of the report was included.

Working Document – Timeline

August 8, 2006

2

Accutherm, Inc.

Franklin Township, Gloucester County

- L October 13, 1994 – Gloucester County Health Department provided the NJDEP with information concerning the site.
- M December 29, 1994 – William Wright, the attorney representing Midlantic National Bank, requested that Accutherm place the warning signs it had procured for the site.
- O April 7 1995 - the NJDEP/Division of Responsible Party Site Remediation issued a Directive to Accutherm, which required remediation of all discharges at the site. Accutherm did not comply with the conditions of the Directive.
- G May 3, 1995 – Accutherm notified NJDEP that they had filed Chapter 11 since March 1994.
- P July 27, 1995 – William Wright, attorney representing Midlantic National Bank, advised Gloucester County Health Department that no signs had been posted indicating the potential hazards of the site.
- N August 1, 1995 – Gloucester County Health Department sent a letter to Accutherm's attorney strongly suggesting that they post the area with statement of hazard and protection recommendations. NJDEP, Franklin Township Board of Health, Franklin Township Office of Emergency Management was copied on this correspondence
- Q August 16 1995 - NJDEP personnel conducted an inspection of the exterior of the property to determine whether the site was secure from unauthorized access. Observations made at that time revealed that access to the site proper was unrestricted, but the building was locked.
- R August 29, 1995 – EPA Region II USEPA was requested by NJDEP to perform an assessment of the property.
- R January 16, 1996 - The EPA, Response and Prevention Branch concluded that "based on air monitoring, soil sample analysis, wipe sample analysis and the condition and security of the building and surrounding property, the site does not present an immediate threat to human health or the environment." However, the report states that "several small droplets of Hg were located on the floor of an area believed to be one of the production rooms." A vial of Hg, thermometers, and other unknown liquids were also observed.
- S June 10, 1996 – NJDEP Memorandum to the File stating that EPA determined that the site was not eligible for a removal action; however, due to documented contamination present, the site require further investigation and remediation.
- H June 13, 1997 – Navillus Group, L.L.C. acquired Franklin Township tax sale certificate 97-0115 for the site.

Working Document - Timeline

August 8, 2006

3

Accutherm, Inc.

Franklin Township, Gloucester County

T Franklin Township Construction Department received notification of the transfer of the property from Accutherm, Inc. to Navillus Group, L.L.C. dated July 5, 2001; however, the date on the Construction Department's stamp is not visible.

KK July 23, 2001 - Jim Sullivan, Inc. c/o Navillus received a building permit to remove and replace plywood, shingles, siding and electric mast and service from Franklin Township.

LL January 29, 2002 - Jim Sullivan received a plumbing permit update to reinstall gas service from Franklin Township.

U June 12, 2002 - Jim Sullivan, Inc. submitted an application the Gloucester County Health Department for an alteration to an individual subsurface sewage disposal system at the site.

V August 12, 2002 - Jim Sullivan, Inc. purchased the site from the Navillus Group, a general partnership.

PP September 23, 2003 - Franklin Township Construction Official contacted NJDEP stating that owner was looking to convert the site to a daycare center. NJDEP advised the Construction Official that a No Further Action approval had NOT been issued by the NJDEP. NJDEP informed the Construction Official that it was not recommended to convert the site at that time.

W October 1, 2003 - The NJDEP received an OPRA request from Target Environmental Co., Inc. on behalf on an unnamed realtor to review information on Accutherm Incorporated, 1600 South Delsea Drive, Franklin Township, Gloucester County.

X December 8, 2003 - Franklin Township approved a zoning change for the site to be used as child daycare center.

mm January 15, 2004 - Franklin Township performed temporary Certificate of Occupancy inspection.

NN January 15, 2004 - Jim Sullivan, Inc. received a building permit for interior renovations from Franklin Township.

OO January 27, 2004 - Franklin Township performed a final Certificate of Occupancy inspection.

Y February 11, 2004 - Franklin Township approved a certificate of occupancy for Kiddie Kollege, changing the site use to a day care center for 45 children and five employees.

April 11, 2006 - Staff from the NJDEP conducted off-site reconnaissance to determine site conditions; observations made during the inspection revealed the property was currently being used for a child care facility

- Z April 17, 2006 – Franklin Township approved a change in tenant and/or occupancy for the site.
- AA April 25, 2006 - NJDEP personnel contacted the property owner, Jim Sullivan of Jim Sullivan, Inc., to determine what measures, if any, had been undertaken to address documented site contamination; the property owner claimed that he had a report from the State that indicated there were no problems at the site.
- April 26, 2006 - NJDEP personnel met with the property owner to review the aforementioned state report. It was determined that the referenced report was actually the USEPA removal assessment report which indicated the site was not eligible for removal action; however as noted above, environmental concerns still exist on-site. During a recent file review (date unknown), RPIU was also advised that the property still uses an on-site potable well. It should also be noted that recent (but undated) results from the on-site potable well indicate exceedances for lead and alpha radionuclides. At the request of the NJDEP, the property owner agreed to collect raw and treated samples from the on-site potable well; initiate an indoor mercury study; and conduct a preliminary assessment/site investigation for the entire site.
- BB May 4, 2006 - NJDEP issued a letter to Jim Sullivan, Inc. memorializing the discussion of April 26, 2006 via certified mail. Specifically, RPIU requested Jim Sullivan Inc. to collect and analyze a potable well sample and evaluate the building interior for the presence of elemental mercury and mercury vapor. RPIU further requested that Jim Sullivan, Inc. perform a PA/SI and directed Jim Sullivan, Inc to prepare a written response in writing indicating their willingness to conduct the required investigations within 15 days.
- CC May 25, 2006 – NJDEP received notification from Jim Sullivan III that he has hired Brinkerhoff to respond to NJDEP's May 4, 2006 letter to Jim Sullivan, Inc.
- DD May 31, 2006 - NJDEP received a copy of the proposal to perform a Preliminary Assessment from Brinkerhoff to Jim Sullivan via fax.
- EE June 8, 2006 – samples collected from the well were analyzed for volatile organic compounds, mercury, lead and alpha radionuclides. The results revealed that raw water exceeds current drinking water standards for lead and gross alpha radionuclides; however the finished water is below the current standards. The raw water sample also exhibited tetrachloroethylene at 0.52 µg/l, which is below the current standard of 1 µg/l. This issue was referred to the Bureau of Safe Drinking Water.
- FF June 12, 2006 - NJDEP received letter from Jim Sullivan, Inc. expressing willingness to cooperate in performing the investigations requested in RPIU letter dated May 4, 2006.



Working Document -- Timeline

August 8, 2006

5

Accutherm, Inc.

Franklin Township, Gloucester County

GG June 20, 2006 - NJDEP contacted Jim Sullivan via telephone requesting the potable well and indoor mercury study results. NJDEP was informed that the potable well sampling was complete but indoor mercury study was not yet performed.

GG June 21, 2006 - NJDEP spoke with Jim Sullivan III who informed NJDEP officials that potable well sampling results were clean. NJDEP instructed Sullivan to contact consultant to schedule an indoor mercury study.

HI+ June 21, 2006 - NJDEP contacted property owner via certified mail instructing Jim Sullivan Inc. to submit a MOA application, potable well test data, and mercury indoor mercury study within 14 days. The letter further instructed Jim Sullivan, Inc. to complete studies and/or cleanup within 90 days.

II July 28, 2006 - The NJDEP received preliminary results of the indoor mercury investigation. Four indoor air sample and four wipe samples were collected at various locations inside the building. Preliminary results revealed that mercury vapor concentrations in the areas occupied by the children, represented by two samples, were 7.0 and 8.4 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). An additional sample collected in the kitchen revealed a mercury level of  $11.4 \mu\text{g}/\text{m}^3$  and a sample collected in the basement detected mercury at  $42.7 \mu\text{g}/\text{m}^3$ . The regulatory air limits range from 0.2 to  $0.31 \mu\text{g}/\text{m}^3$ . It is important to note that children do not have access to the basement and employees have only infrequent access. The levels of mercury detected in the two wipe samples collected in the child occupied areas were non-detectable and  $0.21 \mu\text{g}/\text{wipe}$ . In the kitchen and basement areas, not accessed by children, the levels were 0.25 and  $7.4 \mu\text{g}/\text{wipe}$  sample. There are no regulatory limits to compare wipe sample results, but these values are relatively low. Based on these findings and consultation with NJDEP and NJDH&SS technical staff, it was determined that the building was not fit for occupancy at this time. The property owner, current tenant (daycare) and all appropriate local officials were advised on July 28, 2006 that the building should not be inhabited until further notice.

JJ July 31, 2006 - Representatives from the NJDEP and DH&SS conducted an inspection of the facility in an attempt to identify potential sources of the indoor mercury. During the inspection, several areas that appeared to contain metallic mercury droplets were observed in the basement of the building. It appeared that mercury may also be present between the floor joists of the basement and the plywood flooring of the first floor. In addition, it was determined that drinking water for the entire is area is obtained from private wells.

QQ August 8, 2006 - The property owner's contractor has finalized a sampling plan and the site specific Health & Safety plan and is prepared to implement sampling August 9, 2006. That sampling will consist of wipe, bulk, and air sampling inside the building and potable well sampling of homes in the immediate vicinity of the daycare center. Phase Two sampling will consist of an investigation of the old on-site septic system, surrounding soils and groundwater at a date to be determined. This work will also be performed by

Working Document – Timeline

August 8, 2006

6

Accutherm, Inc.

Franklin Township, Gloucester County

the property owner's contractor. DEP staff will be onsite to oversee the sampling; a DEP health & safety officer and a field technician.

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**Appendix B – Advanced Geophysical Report**

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3 Mystic Lane  
Malvern, PA19355  
(610) 722-5500 (ph.)  
(610) 722-0250 (fax)

July 9, 2007  
Ref. No. 07-184-1

Mr. Tim Dempsey  
The Louis Berger Group, Inc.  
30 Vreeland Road – Building A  
Florham Park, New Jersey

Subject: Geophysical Investigation Results  
Former Accutherm Site  
Franklin Township, New Jersey

Dear Mr. Dempsey:

Advanced Geological Services (AGS) presents this letter report to The Louis Berger Group, Inc. (Berger) of Florham Park, New Jersey detailing the methods and results of a geophysical investigation conducted at the Former Accutherm Site in Franklin Township, New Jersey. The site address is 162 Station Avenue, which is located at the southwestern intersection with Delsea Drive. The site is approximately 0.41 acres in size and a one-story building is present near the center of the lot. At the time of our survey, a temporary chain-link fence was present that bordered the two roads.

## **Introduction**

Accutherm, Inc. occupied the site between the early 1980's and 1994 for the manufacturing of mercury thermometers and related instruments. The property was purchased by the current owner in 2002, and the existing on-site structure was subsequently renovated, and developed into a day care center. Since that time, environmental issues became apparent and it was determined the building was not fit for occupancy.

The geophysical survey area included a designated asphalt and grass parcel that was bordered by Delsea Drive to the east, Station Avenue to the north, and the property line to the west and south. This area was outlined by Berger on a map sent to AGS prior to the survey. The field activities for this investigation were completed on May 7, 2007.

Mr. Tim Dempsey  
The Louis Berger Group, Inc.  
Former Accutherm Site  
July 9, 2007

## **Objectives**

The primary objectives of the geophysical survey were twofold. The first objective was to determine the presence and location of subsurface structures and anomalies including potential extant USTs, a domestic well, a septic system, and other subsurface structures in the survey area. The second objective was to determine the approximate location, depth, and orientation of subsurface utilities. Subsurface utilities can present a drilling/excavation hazard during the investigation, and can act as a pathway for the migration of any contamination occurring in the proximity of utility trenches.

To meet the objective of the investigation, AGS used the electromagnetic conductivity (EM), ground-penetrating radar (GPR), and radio-frequency (RF) methods. A Trimble ProXRS global positioning system (GPS) was used in tandem with the geophysical equipment to provide an accurate location for each data point. AGS also collected GPS data over numerous site features, and overlaid the information onto our EM contour map for reference purposes.

## **Survey Grids**

AGS collected EM data while simultaneously connected to a global positioning system (GPS). Both data sets were collected at one-second intervals, and the data was combined in the field to provide EM data points at specific x-y positions. During the survey, the exact traverse paths were continuously monitored so the line separations were approximately 3-5 feet apart, and the lines were parallel to one another. Given this survey configuration, AGS was able to obtain data points at approximately 3-5-foot intervals throughout the survey area. As a result of this "tight" grid geometry, a very high-resolution picture of the subsurface was constructed. Figure 1 shows buried targets and site features that were included to provide points of reference.

The EM data was collected in northeast-to-southwest, and southwest-to-northeast directions. The coordinates of any metal objects observed at the ground surface were noted to prevent misinterpretation of the data. EM data was collected at 2266 station points for this survey. The GPR data was collected in areas where significant or suspicious EM anomalies were present, and in a reconnaissance mode over larger areas. Typically, several GPR profiles were collected in two orientations over each anomalous area. This data was critical for target confirmation, and refinement of target dimensions and depth.

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The Louis Berger Group, Inc.  
Former Accutherm Site  
July 9, 2007

## **Electromagnetic Methods**

The electromagnetic (EM) method uses the principle of electromagnetic induction to measure the variability of electrical conductivity of subsurface materials and the presence of buried metal objects. Significant contrasts in the electrical properties between non-indigenous materials and surrounding soil enable accurate delineation of buried waste materials, fill, and air spaces. The large EM response to metal makes this technique particularly well suited to identifying buried metal objects such as metallic wastes, USTs, buried drums, pipelines, reinforced building foundations, or other metal components of buried structures. It is, however, equally sensitive to metal objects on the ground surface, and it is important to take careful field notes that indicate the position of surface metal to avoid mis-interpretation.

The EM-31 ground conductivity meter by Geonics was used to measure the presence of buried metal objects such as USTs, and to determine the electrical conductivity of the underlying soils. The EM-31 is a one-man, portable system that induces a sinusoidal, 9.8 kilohertz (kHz) signal into the ground. The transmitted signal induces eddy currents into the subsurface materials, which, in turn, generate a secondary magnetic field that is measured by the receiver coil. Two measurements are recorded at each station point; the in-phase response, which is measured in parts per thousand (ppt), and the quadrature response, which is measured in milliSeimens per meter (mS/m). For the interpretation of high-conductivity targets such as USTs, the in-phase response is more discriminative. Lower contrast targets such as clay layers, contaminant plumes, and waste disposal areas are better indicated with the quadrature response. The EM data can be viewed in contour or profile format, or the data can be acquired in a scan mode. AGS used a Trimble ProXRS Global Positioning System (GPS) concurrently with the EM31 survey.

## **Ground Penetrating Radar (GPR) Method**

The ground-penetrating radar (GPR) method was used to provide subsurface imaging information throughout the areas of investigation. The GPR method is based upon the transmission of repetitive, radio-frequency electromagnetic (EM) pulses into the subsurface. When the transmitted energy of down-going wave contacts an interface of dissimilar electrical character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard-drive. The received GPR response remains constant as long as the electrical contrast between media is present and constant. Lateral or vertical changes in the electrical

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properties of the subsurface result in equivalent changes in the GPR responses. The system records a continuous image of the subsurface by plotting two-way travel time of the reflected EM pulse versus distance traveled along the ground surface. Two-way travel time values are then converted to depth using known soil velocity functions.

The GPR field procedures involved (1) instrument calibration, (2) test run completion, (3) production profile collection and recording, and (4) data storage for subsequent processing and analysis in the office. Each radar profile was examined for characteristic GPR signatures that may indicate the presence of buried targets. A Geophysical Survey System SIR System 2 and a 400 megahertz (MHz) antenna were used with a recording window of 60 nanoseconds (ns) to provide the required depth penetration and subsurface detail.

### **Radio-Frequency (RF) Method**

The Radiodetection RD400/PDL2 multi-frequency RF utility locating system was used for locating buried utility lines. This instrument consists of a receiver/tracer and a remote transmitter, which operates at frequencies ranging between 8 kHz and 65 kHz. This utility tracing instrument provides audible and visual feedback to the operator when a utility that is coupled with the transmitted signal is crossed. The transmitter produces a radio-frequency signal in the utility to be traced by either induction coupling or direct hook-up. The receiver output provides measured field strength of the received signal and varies an audible pitch depending upon how far the utility is from the receiver. By carefully adjusting the gain of the receiver it is possible to determine the location of the utility and to separate it from adjacent utilities. Both the direct hook-up and inductive coupling tracing methods were used during this investigation. In addition, the receiver can be used in 60 Hz passive mode to identify active buried electrical lines.

### **Results**

AGS has enclosed three figures with this report. Figure 1 presents an EM contour plot showing the in phase responses at the site, buried targets of the investigation, and notable site features. Figures 2 and 3 present representative GPR profiles that were collected over important targets of the survey. The results of the geophysical survey are summarized below.

AGS confirmed the presence, and determined the dimensions of a former septic tank to the northeast of the one-story building. It is approximately 10 feet long by 6 feet wide

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and is located below three manholes. It exhibited strong EM and GPR responses, as shown in Figure 1. A septic line was traced toward the northeast corner of the building in one direction, and toward Anomaly "D" in the northeast part of the survey area. Anomaly "D" is located to the northeast of the former UST by approximately 50 feet. It is roughly 5 feet by 5 feet in dimension and is located below an existing gas pipeline that runs along Station Avenue. This anomaly may be due to effects of the gas line and its associated excavation. The top panel in Figure 3 shows a GPR profile that was collected over Anomaly "D", which exhibits a hyperbolic, or inverted "U" pattern.

AGS determined the outline of a 50-foot by 15-foot septic leach field next to Delsea Drive. It is shown on the map in Figure 1, and as a GPR cross sectional image in the lower panel of Figure 3. The leach field did not appear on the EM map because it did not have a strong electrical contrast with the surrounding soil materials. The GPR responses however, were very strong and a very clear image of the leach field was obtained. It appears as a strong, flat reflection on the GPR profile, with very well-defined ends. Two lateral pipelines were found that ran along the long edges of the leach field, as well. They are shown on the EM map in Figure 1. In addition, AGS detected a septic line that runs from the leach field to the active septic UST.

AGS detected Anomalies A, B, and C in the survey area, as shown in Figure 1. Anomaly A is approximately 4 feet by 14 feet, and is located to the west of the building. The EM data indicated a very strong response in this area that is due to the anomaly and the chain-link fence that borders the property. The upper panel in Figure 2 shows a GPR profile that was collected over Anomaly A. A strong, slightly-undulating anomaly can be seen at a depth of approximately 4.5 feet bgs. It is below a series of dipping GPR reflections that represent disturbed soils from an apparent former excavation. The geometry of Anomaly A does not suggest the presence of a UST, however, there is a strong indication of a buried structure that has metal associated with it.

Anomaly B is located to the southwest of the building, near the boundary between the asphalt and grass. It is approximately 4 feet by 6 feet in dimension, and the top is 1-2 feet bgs. Very strong EM and GPR responses were observed over this feature. The radar data over Anomaly B indicates that the top is flat, and slightly dipping. AGS believes that anomaly may be due to a former well and its associated structure.

Anomaly C is located to the east of the building, near a chain-link fence gate. Again, strong EM responses were found here that indicated the presence of buried metal. A portion of the EM anomaly is due to the fence, however, a 2-foot by 4-foot area is due to a small buried metal object. The radar data suggested that debris may be present in the



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subsurface here. No USTs were found at this location.

Many other anomalies were observed on the map that are due to metal objects at the ground surface such as fences, signs, poles, the building, an HVAC unit and miscellaneous items. These items produced strong EM responses that were unrelated to objects buried in the subsurface.

AGS detected a gas line that ran along the Station Road side of the survey area. In addition, a feeder gas line ran from the Station Road gas line into the property to the west of the building, and into a gas meter behind the building. Two unknown line segments were detected that ran from the eastern side of the building toward Delsea Road. Unfortunately, the signals were lost approximately 20 feet from the building.

### **Data Quality**

The data quality for this project was very good. EM and GPR responses were consistent and correlated well between profiles. The interpretations presented in this report are based on observed geophysical responses, visual observations, and historical information.

If you have any questions, please contact me 610-722-5500. It was a pleasure working with you on this project, and look forward to conducting geophysical investigations for you in the future.

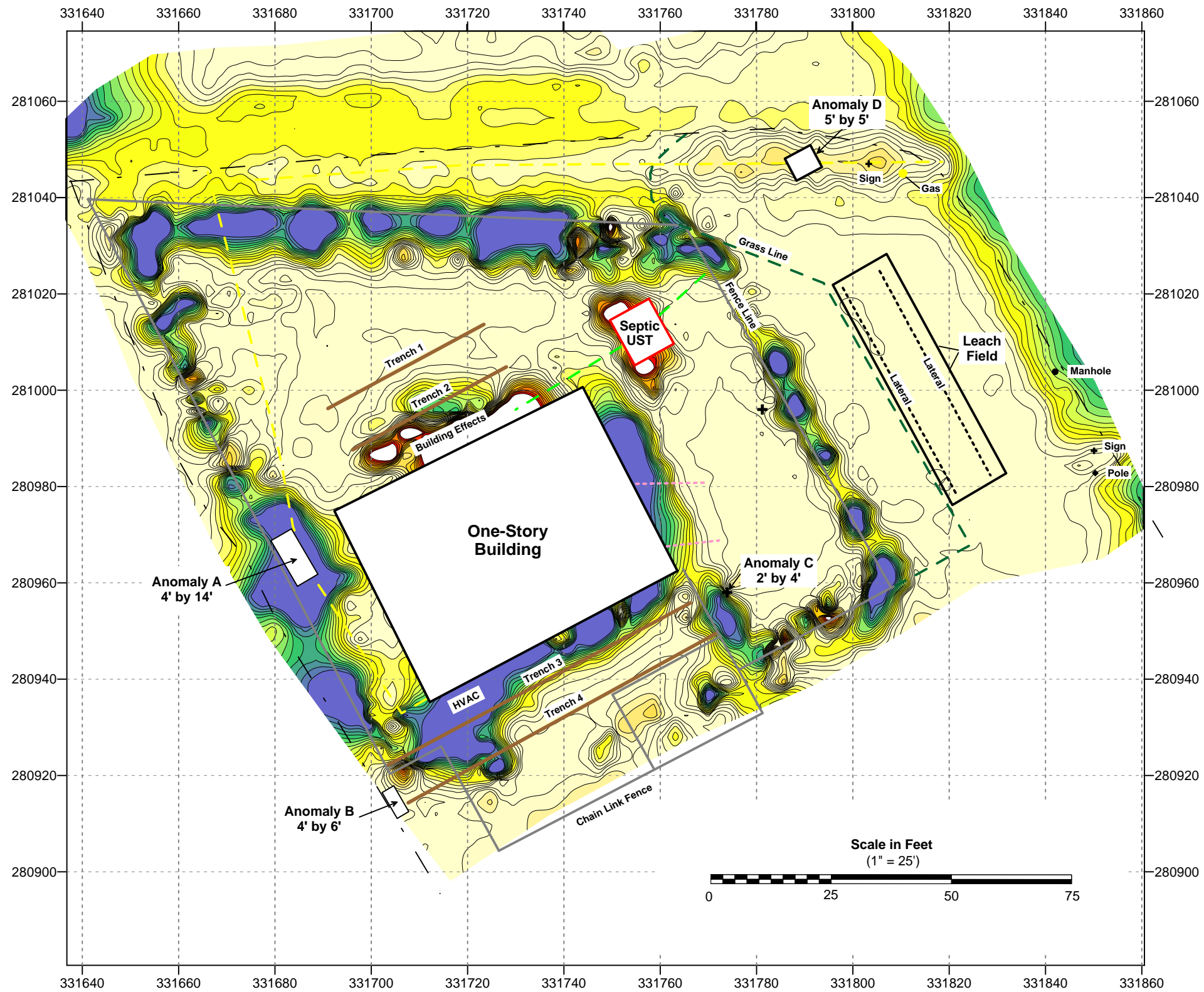
Sincerely,

Peter T. Miller Ph.D., P.G.  
Senior Geophysicist, AGS

encl.: Figure 1 – EM In Phase Contour Map and Buried Features

Mr. Tim Dempsey  
The Louis Berger Group, Inc.  
Former Accutherm Site  
July 9, 2007

**Figure 2 – GPR Profiles GPR75 and GPR68, and GPR Line Location Map**  
**Figure 3 – GPR Profiles GPR93 and GPR81, and GPR Line Location Map**



**Legend:**

- Geophysical Anomaly
- Gas Pipeline
- Septic Tank/Possible Septic Tank
- Lateral
- Proposed Trench Location

**Notes**

- (1) An EM31 by Geonics and a SIR System GPR unit by GSSI were used for this survey. Data from these instruments was combined and correlated to locate buried anomalies. A Trimble GPS system was used to locate each station point in real time as the survey progressed.
- (2) AGS confirmed the presence of a former septic tank to the northeast of the one-story building. It is approximately 10' by 6' in dimension and is located below three manholes. A septic line was traced toward the northeast corner of the building in one direction, and toward Anomaly "D" in the northeast part of the survey area. Anomaly "D" is approximately 5' by 5' in dimension and apparently, is located below an existing gas line. AGS determined the outline of a 50' by 15' septic leach field next to Delsea Drive. Two lateral pipelines were found that ran along the long edges of the leach field. AGS detected Anomalies A, B, and C in the survey area. Anomaly A is 4' by 14', and is located to the west of the building, Anomaly B is 4' by 6', and is located to the southwest of the building, and Anomaly C is 2' by 4' and located to the east of the building. GPR images of Anomalies A and B are shown in Figure 2. They are discussed in the text. Many other anomalies were observed on the map that are due to metal objects at the ground surface such as fences, signs, poles, the building, an HVAC unit and miscellaneous items.
- (3) The depths of investigation for the EM and GPR units are approximately 15 feet and 6 feet, respectively.
- (4) The field positions were not surveyed by a licensed surveyor and should be considered approximate. The building locations and sizes are only approximate.

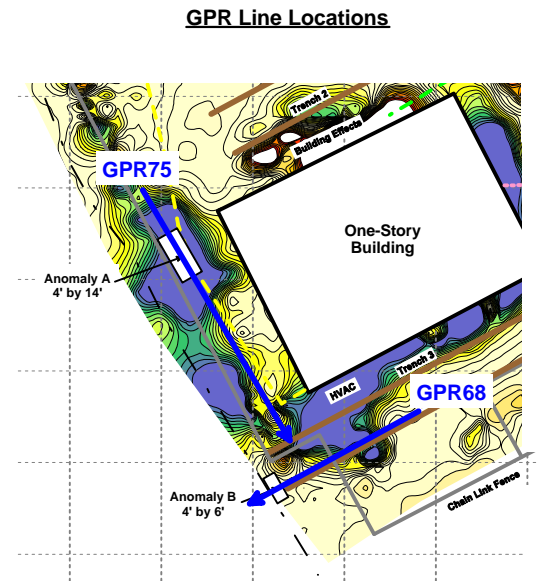
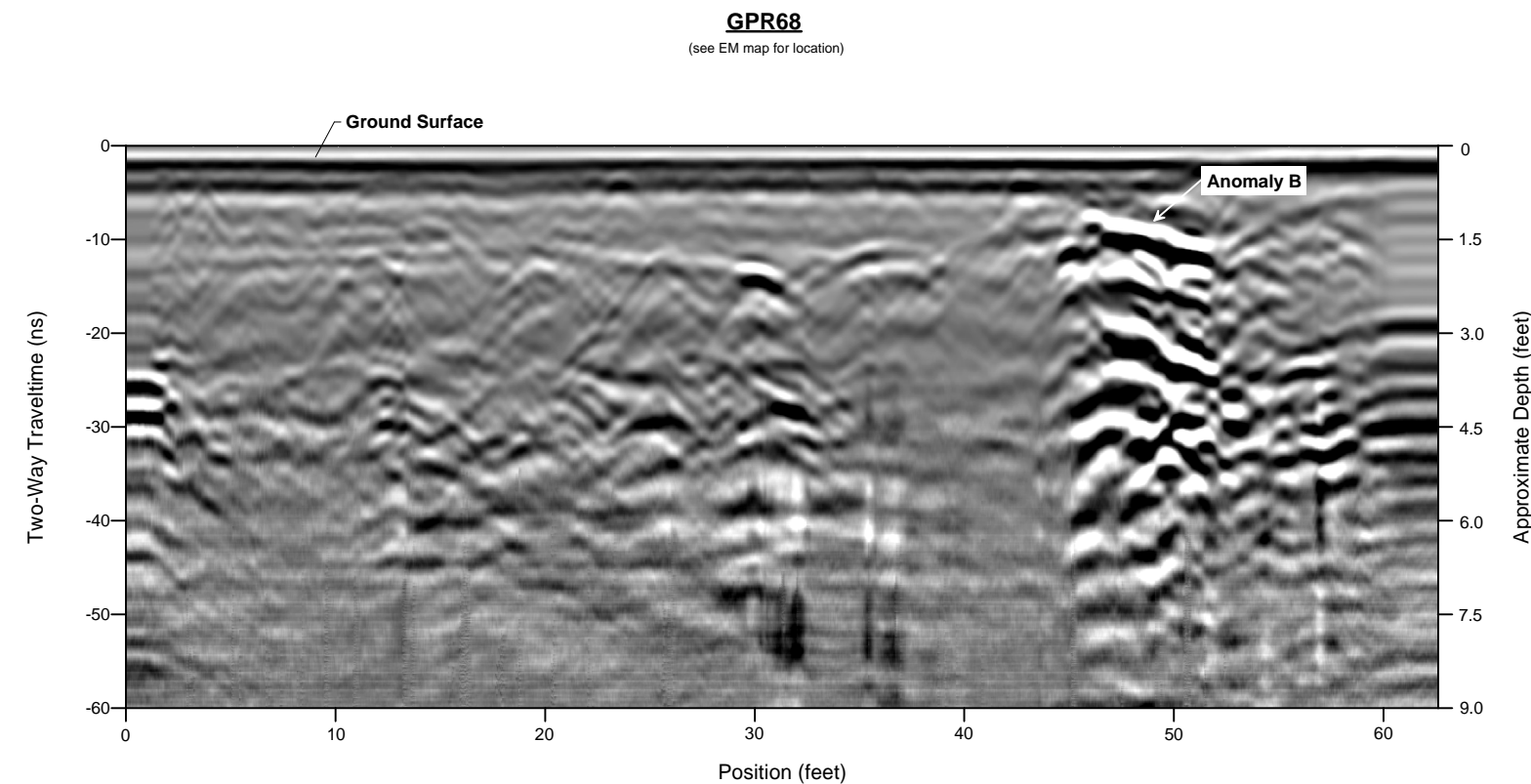
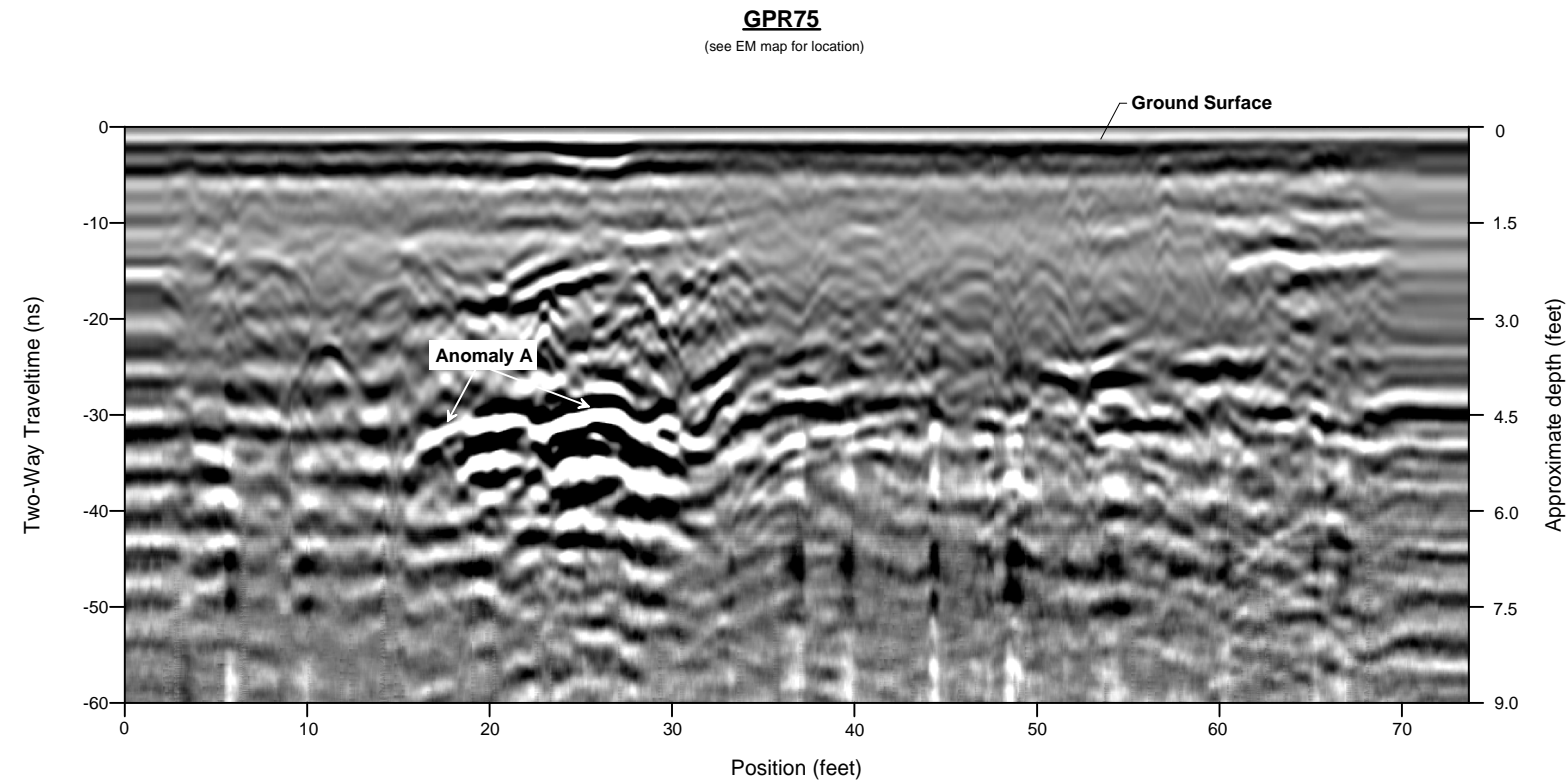
**Figure 1**  
EM In-Phase Contour Map and Buried Features  
Buried Object Survey

The Louis Berger Group, Inc.  
Former Accutherm, Inc. Site  
Delsea Drive  
Gloucester County, New Jersey

Date: July 9, 2007  
AGS Reference: 07-184-1/pm







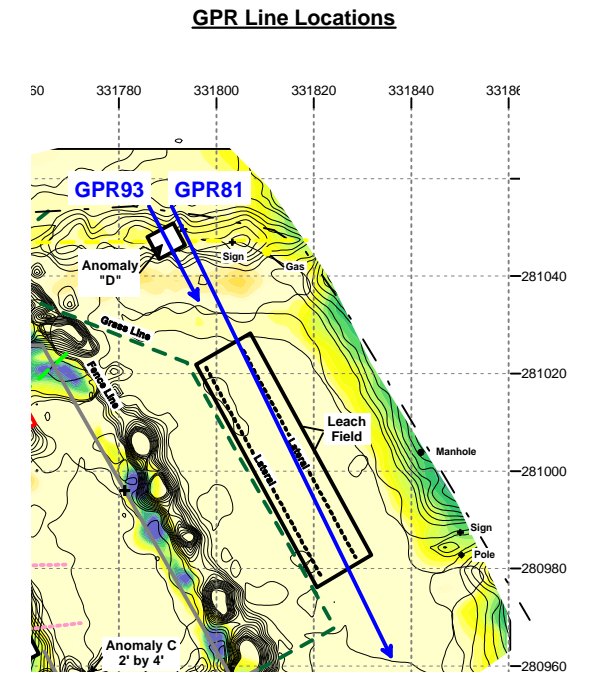
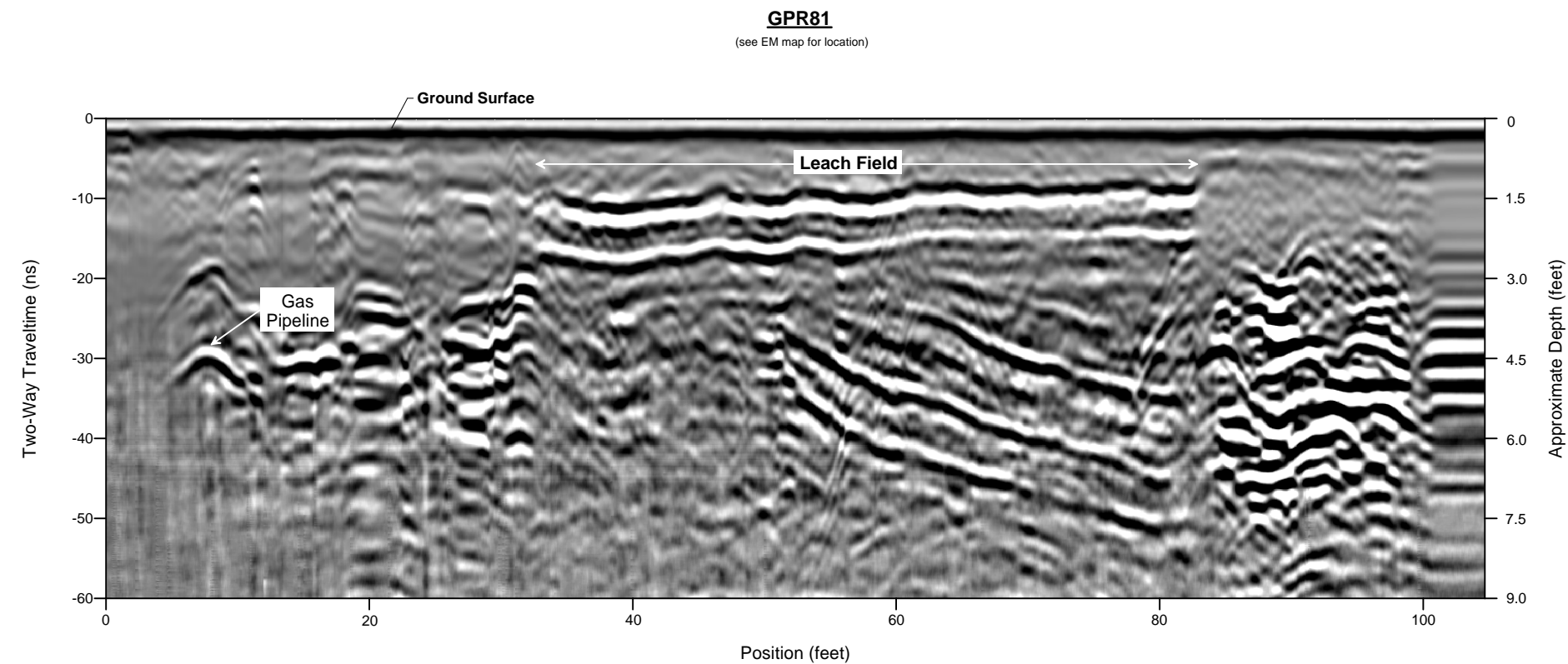
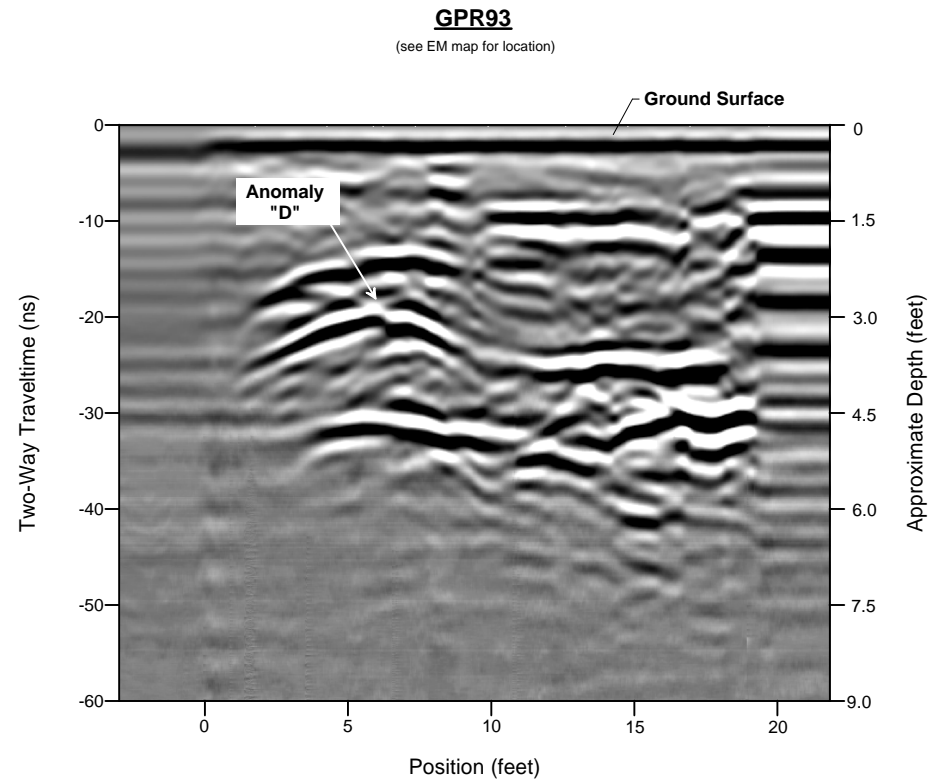
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- (1) An EM31 by Geonics and a SIR System GPR unit by GSSI were used for this survey. Data from these instruments was combined and correlated to locate buried anomalies. A Trimble GPS system was used to locate each station point in real time as the survey progressed.
- (2) AGS confirmed the presence of a former septic tank to the northeast of the one-story building. It is approximately 10' by 6' in dimension and is located below three manholes. A septic line was traced toward the northeast corner of the building in one direction, and toward Anomaly "D" in the northeast part of the survey area. This anomaly is approximately 5' by 5' in dimension and apparently, is located below an existing gas line. Anomaly "D" may be due to the gas line and gas line trench effects. AGS determined the outline of a 50' by 15' septic leach field next to Delsea Drive. Two lateral pipelines were found that ran along the long edges of the leach field. The upper and lower panels were collected over Anomalies "A" and "B", respectively, where anomalous GPR responses were coincident with the anomalous EM responses. Anomaly A is 4' by 14', and is located to the west of the building, Anomaly B is 4' by 6', and is located to the southwest of the building, and Anomaly C is 2' by 4' and located to the east of the building. GPR images of Anomalies A and B are shown in Figure 2. Anomaly A has an undulating surface that suggests the object is not a UST. It may be due to a specific structure that possesses metal. Anomaly B has a tilted, flat surface that has metal associated with it. It may be related to a former well and possible cover. Many other anomalies were observed on the map that are due to metal objects at the ground surface such as fences, signs, poles, the building, an HVAC unit and miscellaneous items.
- (3) The depths of investigation for the EM and GPR units are approximately 15 feet and 6 feet, respectively.
- (4) The field positions were not surveyed by a licensed surveyor and should be considered approximate. The building locations and sizes are only approximate.

**Figure 2**  
GPR Profiles GPR75 and GPR68,  
and GPR Line Location Map  
Buried Object Survey

The Louis Berger Group, Inc.  
Former Accutherm, Inc. Site  
Delsea Drive  
Gloucester County, New Jersey

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AGS Reference: 06-184-1/pm



**Notes**

- (1) An EM31 by Geonics and a SIR System GPR unit by GSSI were used for this survey. Data from these instruments was combined and correlated to locate buried anomalies. A Trimble GPS system was used to locate each station point in real time as the survey progressed.
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**Figure 3**  
GPR Profiles GPR93 and GPR81,  
and GPR Line Location Map  
Buried Object Survey

The Louis Berger Group, Inc.  
Former Accutherm, Inc. Site  
Delsea Drive  
Gloucester County, New Jersey

Date: July 9, 2007  
AGS Reference: 06-184-1/pm



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**Appendix C – Building Interior Assessment Report**

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# **BUILDING INTERIOR ASSESSMENT REPORT**

**FORMER ACCUTHERM, INC. SITE  
FRANKLIN TOWNSHIP, NEW JERSEY**

**JANUARY 2008**

**Prepared for the:  
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF INVESTIGATION, DESIGN & CONSTRUCTION  
401 EAST STATE STREET  
TRENTON, NEW JERSEY 08625**

**Prepared by:  
THE LOUIS BERGER GROUP, INC.  
412 MOUNT KEMBLE AVENUE  
MORRISTOWN, NEW JERSEY 07960**



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## **1.0 INTRODUCTION**

The Louis Berger Group, Inc. (Berger) has prepared this Building Interior Assessment Report on behalf of the New Jersey Department of Environmental Protection (NJDEP). This report documents the findings of a building interior assessment conducted at the Former Accutherm Site (Site, a.k.a. Kiddie Kollege) located in Franklin Township, Gloucester County, New Jersey (Figure 1). The assessment was completed by Berger as part of a Remedial Investigation (RI), which was performed in association with a state-wide contract with the New Jersey Department of Environmental Protection (NJDEP) to perform site-specific Remedial Investigations and Remedial Action Selection (RI/RAS) at multiple sites throughout the state (NJDEP Term Contract A-60243).

## 2.0 BACKGROUND

Based on information provided in a Preliminary Assessment Report (PAR) prepared for the Site by Brinkerhoff Environmental Services, Inc. (Brinkerhoff), the Site was occupied by a single residence and small associated sheds until sometime between 1975 and 1980, when the existing one-story structure was constructed (Brinkerhoff, 2006). An application for construction of an individual water supply system, filed with the Gloucester County Department of Health in May 1978, listed the type of building to be served as a “newspaper office.” Reportedly, when Accutherm, Inc. purchased the property in 1984, the Site had already been utilized for the manufacturing of mercury thermometers and related instruments. Accutherm ceased operations at the Site in 1994. The property was purchased by the current owner in 2002, and the existing on-Site structure was subsequently renovated. Unfortunately, the Kiddie Kollege child daycare facility started operating at the Site in February 2004. The NJDEP learned that the Site was being used as a child care facility during off-site reconnaissance on April 11, 2006. Based on the findings of an indoor mercury investigation, the property owner, current tenant (daycare), and local officials were advised on July 28, 2006 that the building should not be inhabited until further notice.

Previous inspections and investigations by others had identified the presence of free mercury droplets in the basement and between the floor joists of the basement and the plywood flooring of the first floor. In addition, the results of indoor air sampling performed by Brinkerhoff had shown concentrations of mercury vapor up to  $13 \mu\text{g}/\text{m}^3$  on the first floor, and  $200 \mu\text{g}/\text{m}^3$  in the basement. Wipe sampling also confirmed the presence of mercury within the building, with results between non-detectable and  $7.4 \mu\text{g}/\text{wipe}$ . A more comprehensive overview of the Site history is included in the Brinkerhoff PAR, and further details regarding previous investigations can be found in the Remedial Investigation Report (Berger, January 2008).

### **3.0 BUILDING INTERIOR ASSESSMENT**

This Building Interior Assessment was proposed to further evaluate the presence of mercury within the existing building as part of the Site Sampling and Investigation Plan (SSIP) (Berger, 2007). The assessment included an inspection using real time monitoring equipment, sampling of building finishing and structural materials, and surface wipe sampling. The results of this assessment can be utilized to evaluate whether cleaning and abatement of the facility is an alternative to demolition.

The Building Interior Assessment was conducted on May 15 and May 16, 2007. It is noted that the assessment was performed after the building had been sealed with minimal access and no active mechanical or ventilation systems for a period of at least ten (10) months and during a week of high heat conditions (e.g., > 85°F). Accordingly, temperatures within certain portions of the building (e.g., attic crawlspace) were in excess of 110°F during the assessment. Combined, the lack of ventilation and elevated temperatures are considered ideal to achieve maximum volatilization of mercury vapor. Therefore, the assessment may be considered representative of worst-case conditions. The real time measurements and analytical results that were obtained during this Building Interior Assessment are not intended to provide an estimate of the mercury vapor exposure concentrations that were present in the occupied day care center.

#### **3.1 REAL TIME MONITORING SURVEY**

The building interior assessment included the use of real time sampling equipment to identify potential mercury-contaminated areas. The equipment was utilized on the attic crawlspace, first floor, and basement levels to identify areas requiring further investigation. Air sampling for mercury was performed utilizing two separate instruments for both confirmation purposes and improving accuracy of readings over a wider mercury concentration range. The instruments used in the assessment were the Jerome 431X Mercury Vapor Analyzer and the Lumex 915+ Mercury Meter. The Jerome 431X can accurately measure mercury vapor from 10 to 1,000 ug/m<sup>3</sup> utilizing a gold film sensor technology, while the Lumex 915+ accurately measures mercury vapor from 0.02 to 50 ug/m<sup>3</sup> utilizing a differential atomic absorption technique.

As such, the Lumex 915+ was utilized for greater accuracy in areas where concentrations of mercury were less than 10 ug/m<sup>3</sup>, which included the majority of the 1<sup>st</sup> floor and the attic crawlspace. The Jerome 431X was utilized to determine concentrations of mercury in areas where mercury was generally greater than 50 ug/m<sup>3</sup>, which included portions of the kitchen and the entire basement level. Both instruments were utilized side to side during initial monitoring efforts in efforts to find potential “hot” or “cold” spots, with additional comprehensive monitoring occurring once these areas had been initially characterized.

Real time measurements were collected at floor-level, as well as the approximate four-foot and six-foot levels to determine if mercury vapor levels varied significantly with height. As monitoring did not consistently reveal significant differences at these heights, Figures 3, 4, and 5 (attached) present the average concentrations of mercury detected throughout the attic crawlspace, first floor, and basement, respectively. The monitoring results generally indicated an increase in mercury concentration from the attic crawlspace (0.6 to 1.6 ug/m<sup>3</sup>) to the basement level (44 to 212 ug/m<sup>3</sup>). The following subsections provide a discussion of the real time monitoring results for each floor, as well as a comparison with the NJDEP Residential Indoor Air Screening Level (IASL) for mercury, which is 0.3 ug/m<sup>3</sup>.

### **3.1.1 Attic Crawlspace**

Mercury vapor concentrations in the attic crawlspace were found to be lower than in the first floor and basement levels, possibly due to a stack effect (rapidly rising heat in the attic may have been transporting mercury vapors to slotted vents at the roof peak). As shown on Figure 3, concentrations were generally divided into an eastern pattern (1.0 to 1.6 ug/m<sup>3</sup>) and a western pattern (0.6 to 0.8 ug/m<sup>3</sup>). The greatest mercury concentration (1.6 ug/m<sup>3</sup>) was detected within the southeast corner of the attic crawlspace, directly above the first floor kitchen cabinet area and basement hot spot (discussed below). The concentrations of mercury vapor in the attic crawlspace slightly exceed the NJDEP Residential IASL for mercury of 0.3 ug/m<sup>3</sup>.

### **3.1.2 First Floor**

Mercury vapor concentrations consistently ranged between 18 ug/m<sup>3</sup> and 30 ug/m<sup>3</sup> throughout the first floor (Figure 4), well above the NJDEP Residential IASL for mercury of 0.3 ug/m<sup>3</sup>. Elevated concentrations were identified within the kitchen at a height of approximately 6 feet (36 ug/m<sup>3</sup>). In addition, the inside of the southeast corner kitchen cabinets showed concentrations ranging from 55 ug/m<sup>3</sup> to 65 ug/m<sup>3</sup>, while at floor-level near the door of the southeast cabinets, mercury vapor was detected at 165 ug/m<sup>3</sup>.

### **3.1.3 Basement**

As compared to other portions of the building, mercury vapor concentrations were found to be the highest in the basement, greatly exceeding the NJDEP Residential IASL for mercury of 0.3 ug/m<sup>3</sup> (44 ug/m<sup>3</sup> to 305 ug/m<sup>3</sup>; see Figure 5). Readings consistently ranged between 50 ug/m<sup>3</sup> and 60 ug/m<sup>3</sup> to the west of the basement stairwell. Levels greatly increased on the eastern half of the basement stairwell (63 ug/m<sup>3</sup> to 305 ug/m<sup>3</sup>), with the peak readings being located in the southeast corner and the northeast corner/east wall. As such, mercury readings appeared to gradually climb and peak from the northwest to the south east corners of the basement level. The

areas with the greatest airborne mercury vapor levels also coincided with those areas in the basement noted to have water infiltration resulting from a recent spring rain (e.g., southeast and northeast corners).

### **3.2 BULK BUILDING MATERIAL SAMPLING**

Based on the findings of previous investigations, a variety of potentially mercury-contaminated materials existed within the building interior. In order to better define affected building materials, 49 bulk samples were collected and analyzed for mercury content using USEPA Method 7471A. Figures 6 through 9 show the locations of these samples. The following representative materials were sampled:

- Carpeting
- Attic Crawlspace Insulation
- Wall Board
- Wall Insulation
- Concrete/Brick Walls (Throughout)
- Floor Tiles and Underlying Substrates

Bulk samples for mercury were collected in a hygienic manner utilizing tools (e.g., chisel, hammer, box blade, drill) which were adequately cleaned using pre-prepared detergent saturated wipes between sample collection points. Single use nitrile gloves were used while collecting, bagging, and placing each bulk sample in a chilled cooler prior to pick up on-site by the subcontracted analytical laboratory, Hampton Clarke/Veritech (HC-V).

Table 1 presents the analytical results and location descriptions of bulk samples collected during the Building Interior Assessment. In general, analysis of the bulk samples indicated a progressive increase in mercury concentration from the attic crawlspace (0.3 to 7 mg/kg) to the basement (90 to 230 mg/kg). The results are summarized in the following subsections.

#### **3.2.1 Attic Crawlspace**

The greatest concentrations of mercury within the attic crawlspace were detected in insulation collected from southwest (7 mg/kg) and southeast corners (3.5 mg/kg). Although the relative numbers of samples collected from this space was limited, it is noted that higher concentrations of mercury were consistently detected on the south side of the attic crawlspace (e.g., 0.32 to 7 mg/kg versus 0.78 to 1.3 mg/kg on the north side).

### **3.2.2 First Floor**

The first floor sampling results indicate that mercury contamination was detected in each porous material sampled during the assessment, including sheetrock (0.9 to 64 mg/kg), carpeting (0.46 to 7.5 mg/kg), wall insulation (0.084 to 7.3 mg/kg) and flooring plyboard (5.0 mg/kg). The highest mercury concentrations were detected in the building materials within the kitchen area (wall insulation at 7.3 to 23 mg/kg, wall board at 39 to 64 mg/kg, and carpeting at 5.9 mg/kg).

### **3.2.3 Basement**

Three bulk samples were collected for analysis from the south concrete wall within the basement. These samples showed the highest mercury concentrations of all of the bulk samples collected during the Building Interior Assessment (90 to 230 mg/kg).

## **3.3 SURFACE WIPE SAMPLING**

In addition to bulk sampling, 54 surface wipe samples were collected during the Building Interior Assessment. The samples were analyzed for mercury content using USEPA Method 7471A. Representative wipe samples were collected utilizing a Ghost Wipe<sup>®</sup> passed over a single use 100 square centimeter template prior to being placed in a laboratory supplied sample bag. In each case, and where excessive debris was located in a particular area (e.g., basement floor), efforts were made to collect representative sample material by making successive folds and passes over the template until the sample area appeared to be visibly clean. Samples were collected utilizing hygienic techniques such that single use materials were employed (e.g., nitrile gloves, templates, sample bags). The wipes were placed in a chilled cooler prior to pick up on-site by HC-V.

Figures 6 through 9 show the wipe sample locations, and Table 2 shows the analytical results and descriptions of the wipe samples collected. Each wipe sample represents a 100-square-centimeter area. The wipe sample results generally indicated a progressive increase in mercury from the attic crawlspace (0.098 to 0.67 ug/wipe) to the basement (0.85 to 24,000 ug/wipe). The analytical results for the surface wipe samples collected on each floor are summarized below.

### **3.3.1 Attic Crawlspace**

Wipe sampling within the attic crawlspace was limited to five wipe locations due to a limited variety of material surfaces. The area showing the highest mercury concentration was identified on a wooden joist within the southeast corner (0.67 mg/wipe), while the area of lowest concentration was detected on a wooden joist within the northeast corner (0.15 ug/wipe).

### **3.3.2 First Floor**

The wipe sample analytical results indicate that mercury levels consistently ranged from 1 to 1.5 ug/wipe on surfaces in the main accessible portions of the first floor. This included floor and wall surfaces within the main entry room, as well as wall surfaces in the bathroom, library, and south common room. Higher levels of mercury were detected on wipes collected from freshly exposed materials (e.g., brick or concrete) on the south, west and east walls of the building, ranging from 2.3 to 8.6 ug/wipe. The southeast corner (kitchen cabinet area) measured 5.1 ug/wipe, while the exposed north exterior wall adjacent to the main entrance measured 15 ug/wipe.

### **3.3.3 Basement**

Wipe samples collected in the basement revealed consistently elevated mercury levels on floor (concrete) and wall (masonry block) surfaces, ranging from 31 to 24,000 ug/wipe. The highest concentrations were identified on the eastern half of the basement, with the peak concentrations detected on the floors of the northeast (1,300 ug/wipe) and southeast (24,000 ug/wipe) corners. These areas were noted to be somewhat muddy, as a result of water infiltration related to a recent spring rain event.

## 4.0 SUMMARY AND CONCLUSIONS

The Building Interior Assessment consisted of real time air monitoring, bulk sampling of building materials, and surface wipe sampling to evaluate the presence of mercury within the existing on-site structure. The air monitoring results showed that elevated concentrations of airborne mercury are present throughout the building, while the building material and surface wipe sampling results identified the presence of mercury within or on all building materials. Volatilization of mercury from the building materials is the apparent source of the airborne mercury.

The data obtained during the assessment all showed a general increase in mercury concentration from the attic crawlspace to the basement. Mercury vapor monitoring and wipe sampling results indicated the greatest mercury contamination near the southeast corner of the basement (305 ug/m<sup>3</sup> and 24,000 ug/wipe, respectively). Elevated mercury vapor concentrations were detected directly above this hot spot, in the southeast corner of the kitchen and southeast corner of the attic crawlspace. In addition, bulk samples collected from within the kitchen revealed consistently higher levels of mercury than the rest of the first floor.

In conclusion, both the structural and finishing building materials are contaminated with mercury. Bulk material and surface wipe sampling revealed the consistent presence of mercury contamination on the original porous exterior walls and framing materials, as well as the finishing materials used to build the daycare facility. The highest bulk mercury concentrations were detected in the samples collected from the basement concrete wall (90, 170, and 230 mg/kg, respectively). Based on these results, it is likely that relatively high concentrations of mercury are present in the porous building materials throughout the basement.



## **5.0 REFERENCES**

Berger (The Louis Berger Group, Inc.), 2007. *Site Sampling and Investigation Plan*, Former Accutherm, Inc. Site, Franklin Township, Gloucester County, New Jersey, March 2007.

Berger (The Louis Berger Group, Inc.), 2008. *Remedial Investigation Report*, Former Accutherm, Inc. Site, Franklin Township, Gloucester County, New Jersey, January 2008.

Brinkerhoff Environmental Services, Inc., 2006. *Preliminary Assessment Report*, Kiddie Kollege (Formerly Accutherm, Inc.), August 17, 2006.

**TABLE 1**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
*Building Interior Assessment*  
**Analytical Results - Bulk Samples**

Bulk Sample ID	Lab Sample ID	Building Material	Location Description	Sample Date	Mercury Concentration (mg/kg)
<b>Attic Crawlspace</b>					
B43	AC30544-042	Insulation	Northwest corner insulation	5/17/2007	<b>0.3</b>
B44	AC30544-043	Insulation	Southwest corner insulation	5/17/2007	<b>7</b>
B45	AC30544-044	Insulation	West side, middle north insulation	5/17/2007	<b>1</b>
B46	AC30544-045	Insulation	West side, middle south insulation	5/17/2007	<b>2</b>
B47	AC30544-046	Insulation	East side, middle north insulation	5/17/2007	<b>0.78</b>
B48	AC30544-047	Insulation	East side, middle south insulation	5/17/2007	<b>0.32</b>
B49	AC30544-048	Insulation	Northeast corner insulation	5/17/2007	<b>1.3</b>
B50	AC30544-049	Insulation	Southeast corner insulation	5/17/2007	<b>3.5</b>
<b>First Floor</b>					
B1	AC30544-001	Sheet Rock	North wall of northwest corner room	5/16/2007	<b>5.9</b>
B2	AC30544-002	Insulation	North wall of northwest corner room	5/16/2007	<b>1.5</b>
B3	AC30544-003	Carpet	Northwest corner room	5/16/2007	<b>7.5</b>
B4	AC30544-004	Sheet Rock	West wall of west central room	5/16/2007	<b>19</b>
B5	AC30544-005	Insulation	West wall of west central room	5/16/2007	<b>0.91</b>
B6	AC30544-006	Carpet	West central room	5/16/2007	<b>1.1</b>
B7	AC30544-007	Insulation	South wall of southwest corner room	5/16/2007	<b>49</b>
B8	AC30544-008	Sheet Rock	Southeast corner of southwest corner room	5/16/2007	<b>22</b>
B9	AC30544-009	Carpet	Southwest corner room	5/16/2007	<b>0.46</b>
B10	AC30544-010	Sheet Rock	Southeast corner of south common room	5/16/2007	<b>39</b>
B11	AC30544-011	Insulation	South wall of south common room	5/16/2007	<b>1.1</b>
B12	AC30544-012	Carpet	South common room	5/16/2007	<b>0.79</b>
B13	AC30544-013	Sheet Rock	East wall of kitchen	5/16/2007	<b>40</b>
B14	AC30544-014	Insulation	East wall of kitchen	5/16/2007	<b>7.3</b>
B15	AC30544-015	Carpet	Southeast corner of kitchen	5/16/2007	<b>2.4</b>
B16	AC30544-016	Sheet Rock	Northeast corner of kitchen	5/16/2007	<b>8.3</b>
B17	AC30544-017	Insulation	South wall of kitchen	5/16/2007	<b>23</b>
B18	AC30544-018	Carpet	Northwest area of kitchen	5/16/2007	<b>5.9</b>
B19	AC30544-019	Sheet Rock	East wall of library	5/16/2007	<b>0.09</b>
B20	AC30544-020	Insulation	East wall of library	5/16/2007	0.084 U
B21	AC30544-021	Carpet	Library	5/16/2007	<b>1.6</b>
B22	AC30544-022	Sheet Rock	North wall of office	5/16/2007	<b>52</b>
B23	AC30544-023	Insulation	East wall of office	5/16/2007	<b>5</b>
B24	AC30544-024	Carpet	Northeast corner of office	5/16/2007	<b>1.1</b>
B25	AC30544-025	Sheet Rock	East wall of bathroom	5/16/2007	<b>22</b>
B26	AC30544-026	Carpet	Bathroom entrance	5/16/2007	<b>2.3</b>
B27	AC30544-027	Sheet Rock	South wall of main entry room	5/16/2007	<b>39</b>
B28	AC30544-028	Insulation	North wall of main entry room	5/16/2007	<b>1.8</b>
B29	AC30544-029	Carpet	Center of main entry room	5/16/2007	<b>1.3</b>
B30	AC30544-030	Filter	West central room HVAC return air intake	5/16/2007	<b>0.68</b>
B32	AC30544-031	Brick	South exterior wall in south common room	5/17/2007	<b>0.36</b>
B33	AC30544-032	Concrete	West exterior wall	5/17/2007	<b>24</b>
B34	AC30544-033	Concrete	South exterior wall	5/17/2007	<b>19</b>
B35	AC30544-034	Brick	East exterior wall in kitchen	5/17/2007	<b>3.6</b>
B36	AC30544-035	Carpet	Southeast corner of kitchen	5/17/2007	<b>3.4</b>
B37	AC30544-036	Plywood	Southeast corner of kitchen	5/17/2007	<b>5</b>
B38	AC30544-037	Formica	Southeast corner of kitchen	5/17/2007	0.084 U
B39	AC30544-038	Sheet Rock	Southeast corner of kitchen	5/17/2007	<b>64</b>
<b>Basement</b>					
B40	AC30544-039	Concrete	Southeast corner	5/17/2007	<b>170</b>
B41	AC30544-040	Concrete	Southwest corner	5/17/2007	<b>90</b>
B42	AC30544-041	Concrete	Center of south wall	5/17/2007	<b>230</b>

**Notes:**

- **Bold values indicate positive detections**

- U = Compound not detected above the Sample Quantitation Limit, value shown is the Sample Quantitation Limit

**Table 2**  
*NJDEP - Former Accutherm, Inc. Site*  
*Franklin Township, New Jersey*  
*Building Interior Assessment*  
**Analytical Results - Surface Wipe Samples**

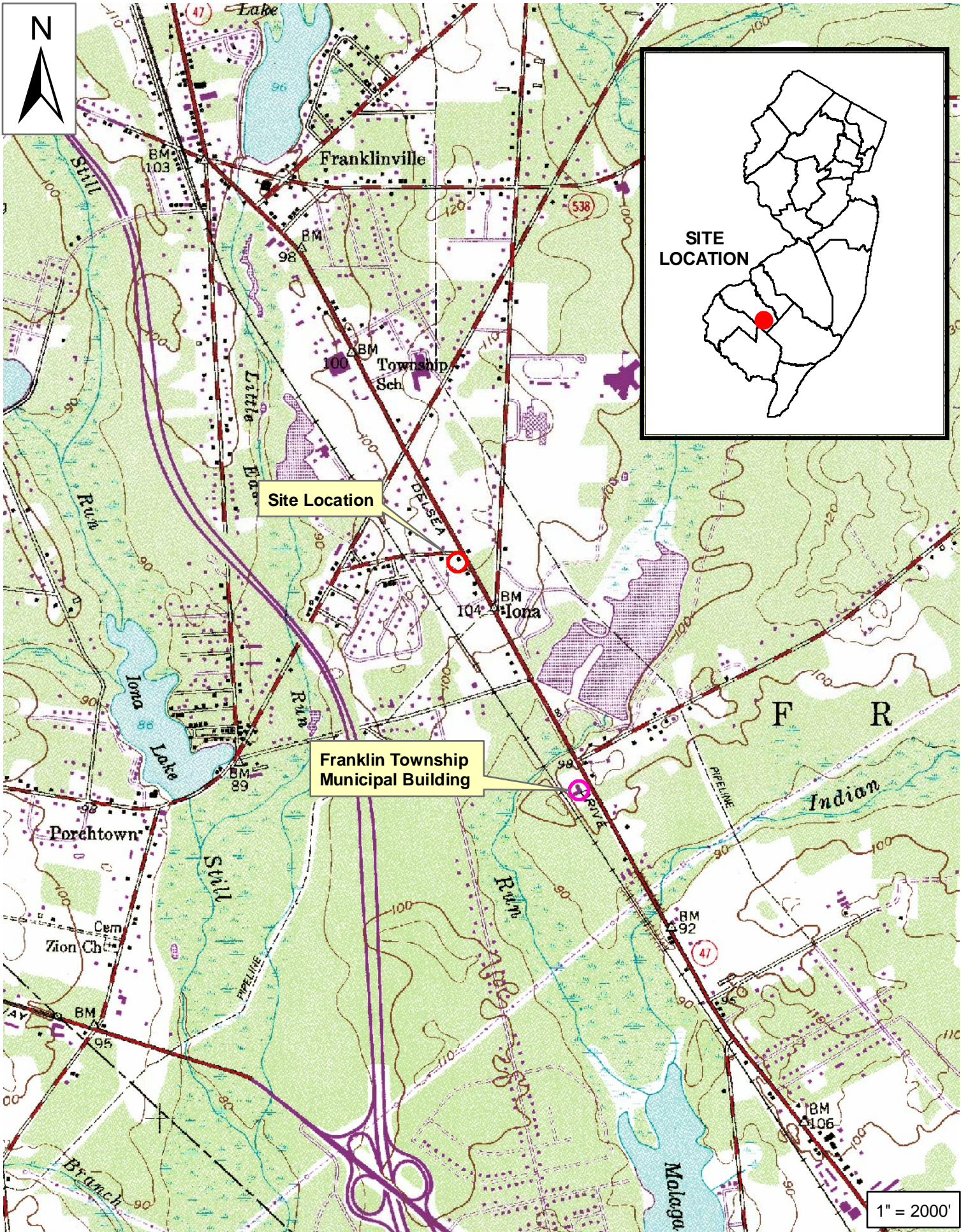
Wipe Sample ID	Lab ID	Date Sampled	Location Description	Mercury (ug/wipe)
<b>Attic Crawlspace</b>				
W45	AC30544-094	5/16/2007	Southeast corner frame	<b>0.67</b>
W46	AC30544-095	5/16/2007	Northeast corner frame	<b>0.15</b>
W47	AC30544-096	5/16/2007	North middle wood frame	<b>0.44</b>
W48	AC30544-097	5/16/2007	South middle wood frame	<b>0.098</b>
W49	AC30544-098	5/16/2007	HVAC aluminum insulation exterior	<b>0.36</b>
<b>First Floor</b>				
W1	AC30544-050	5/16/2007	Entry vestibule, linoleum floor	<b>1</b>
W2	AC30544-051	5/16/2007	Main entry room, painted wall board surface, 3' height	<b>1.2</b>
W3	AC30544-052	5/16/2007	Main entry room, painted wall board surface, 0.5' height	<b>1.2</b>
W4	AC30544-053	5/16/2007	Main entry room, southwest corner on computer table surface	<b>0.52</b>
W5	AC30544-054	5/16/2007	East book/library room, 3' height	<b>1.2</b>
W6	AC30544-055	5/16/2007	East book/library room, 0.5' height	<b>0.79</b>
W7	AC30544-056	5/16/2007	Main entry room, HVAC dispersion grill vent	<b>0.58</b>
W8	AC30544-057	5/16/2007	West central room wall, 4.5' height	<b>0.48</b>
W9	AC30544-058	5/16/2007	Northwest corner room, southwest corner, 4.5' height	<b>0.41</b>
W10	AC30544-059	5/16/2007	South common room, painted wall board adjacent to basement entrance, 4.5' height	<b>0.55</b>
W11	AC30544-060	5/16/2007	Kitchen, southeast corner, 4.5' height	<b>0.47</b>
W12	AC30544-061	5/16/2007	Kitchen, inside of southeast corner cabinet, 4.5' height	<b>0.23</b>
W13	AC30544-062	5/16/2007	Kitchen, painted wall board adjacent to sink, 4.5' height	<b>0.26</b>
W14	AC30544-063	5/16/2007	West central room, interior of common return air intake, 4.5' height	<b>0.61</b>
W15	AC30544-064	5/16/2007	South common room, painted wall board on south wall, 4.5' height	<b>1.4</b>
W16	AC30544-065	5/16/2007	Bathroom, painted wall board adjacent to toilet, 4.5' height	<b>1.5</b>
W17	AC30544-066	5/16/2007	North exterior wall, brick wall behind wall board, 4.5' height	<b>1.5</b>
W18	AC30544-067	5/16/2007	East exterior wall, near east entrance, brick wall behind wall board, 4.5' height	<b>8.6</b>
W19	AC30544-068	5/16/2007	South exterior wall, near south entrance, behind wall board, 4.5' height	<b>2.3</b>
W20	AC30544-069	5/16/2007	West exterior cement wall, center, 4.5' height	<b>4.1</b>
W21	AC30544-070	5/16/2007	Kitchen, southeast corner, brick wall behind wall board, 4.5' height	<b>5.1</b>
<b>Basement</b>				
W22	AC30544-071	5/16/2007	South central exterior cement block wall, 4.5' height	<b>140</b>
W23	AC30544-072	5/16/2007	South wall, west side, 4.5' height	<b>31</b>
W24	AC30544-073	5/16/2007	West wall, southwest corner, 4.5' height	<b>120</b>
W25	AC30544-074	5/16/2007	West wall, northwest corner, 4.5' height	<b>49</b>
W26	AC30544-075	5/16/2007	North wall, west side, 4.5' height	<b>76</b>
W27	AC30544-076	5/16/2007	North wall, central, 4.5' height	<b>230</b>
W28	AC30544-077	5/16/2007	North wall, east side, 4.5' height	<b>36</b>
W29	AC30544-078	5/16/2007	East wall, northeast corner, 4.5' height	<b>44</b>
W30	AC30544-079	5/16/2007	East wall, southwest corner, 4.5' height	<b>69</b>
W31	AC30544-080	5/16/2007	South wall, east side, 4.5' height	<b>160</b>
W32	AC30544-081	5/16/2007	Floor, southeast corner (muddy)	<b>24000</b>
W33	AC30544-082	5/16/2007	Floor, southwest corner	<b>270</b>
W34	AC30544-083	5/16/2007	Floor, northwest corner	<b>660</b>
W35	AC30544-084	5/16/2007	Floor, south central	<b>300</b>
W36	AC30544-085	5/16/2007	Floor, northeast corner	<b>1300</b>
W37	AC30544-086	5/16/2007	Floor, north central	<b>670</b>
W38	AC30544-087	5/16/2007	Wooden joists, southeast corner	<b>11</b>
W39	AC30544-088	5/16/2007	Wooden joists, southwest corner	<b>18</b>
W40	AC30544-089	5/16/2007	Wooden joists, northwest corner	<b>3.7</b>
W41	AC30544-090	5/16/2007	Wooden joists, southwest central corner	<b>1.8</b>
W42	AC30544-091	5/16/2007	Wooden joists, northwest central corner	<b>0.85</b>
W43	AC30544-092	5/16/2007	Wooden joists, southeast central corner	<b>1.2</b>
W44	AC30544-093	5/16/2007	Wooden joists, northeast corner	<b>0.87</b>
W50	AC30544-099	5/17/2007	Southeast corner of wall adjacent to floor (e.g., 1' height)	<b>96</b>
W51	AC30544-100	5/17/2007	Southwest corner of wall adjacent to floor (e.g., 1' height)	<b>170</b>
<b>QC Samples</b>				
W52	AC30544-101	5/17/2007	Blank	0.05 U
W53	AC30544-102	5/17/2007	Blank	0.05 U
W54	AC30544-103	5/17/2007	Blank	0.05 U

**Notes:**

- **Bold values indicate positive detections**

- U = Compound not detected above the Sample Quantitation Limit, value shown is the Sample Quantitation Limit





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Block 4109,  
Lot 6

DELSEA DRIVE

STATION AVENUE

ABANDONED  
LEACH  
FIELD

MW04

MW01

MW02

Block 4111,  
Lot 1

SEPTIC  
TANK

NEW LEACH FIELD

MW05

Brick  
Well

Building

Potable  
Well

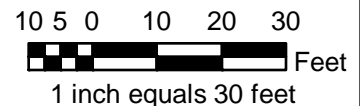
MW03

Block 4111,  
Lot 9

Block 4111,  
Lot 2

### Legend

-  Site Boundary
-  Property Boundary
-  Septic System
-  Building
-  Potable Well (Approximate) and Pipe
-  Monitoring Well
-  Brick Well



Block 4111,  
Lot 7

Block 4111,  
Lot 3

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N.J. Department  
of Environmental  
Protection

FORMER ACCUTHERM, INC. SITE, FRANKLIN TWP., NEW JERSEY

### SITE PLAN

NJDEP CONTRACT No. A-60243

The Louis Berger Group, Inc.

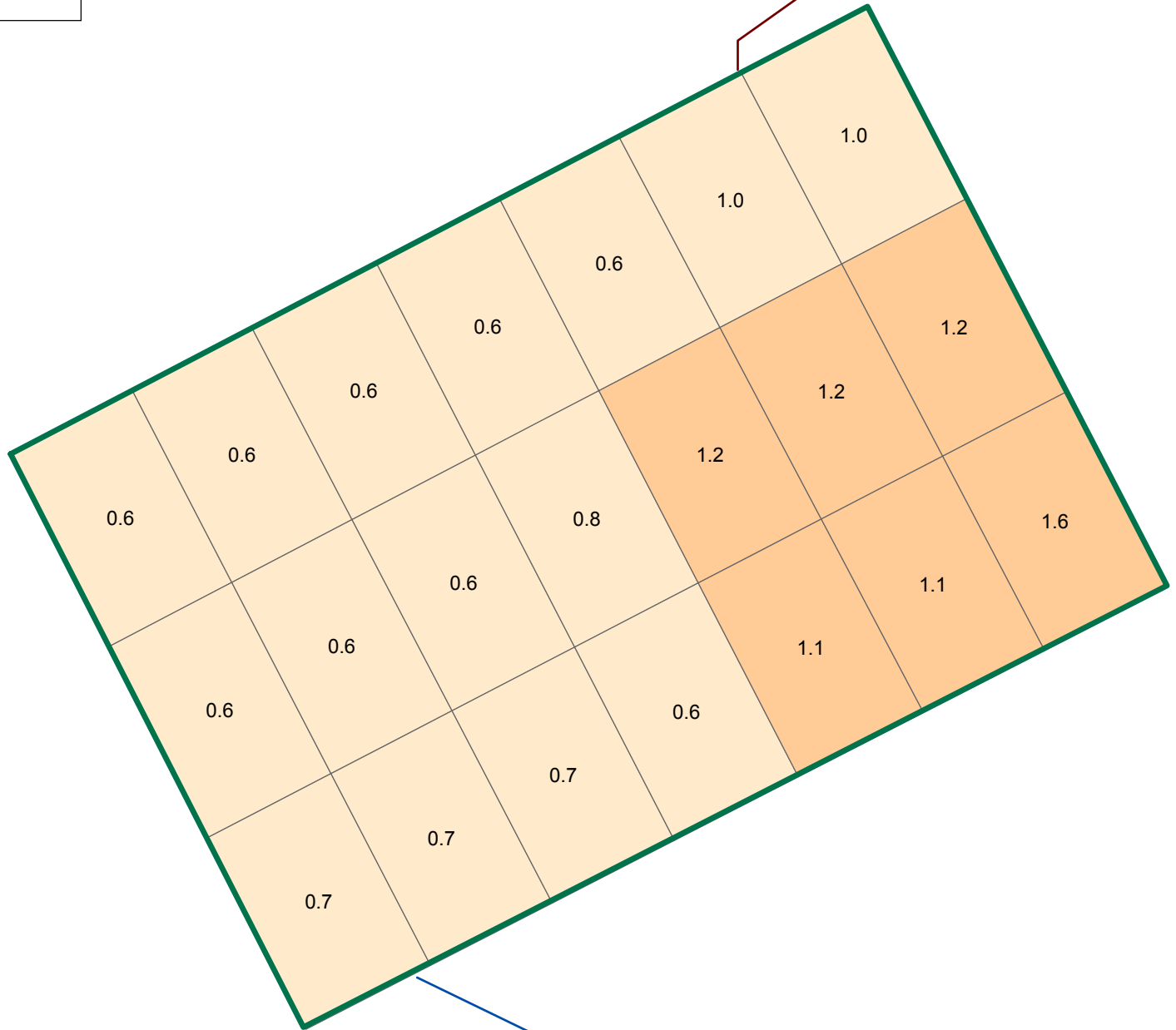


412 Mt. Kemble Ave.  
Morristown, NJ 07960

FIGURE 2








SEPTIC TANK






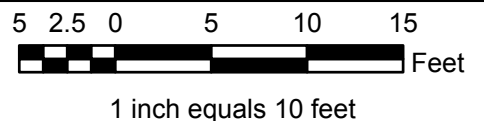
**Note:**

Real Time Air Monitoring Locations  
Average Mercury Concentrations ( $\mu\text{g}/\text{m}^3$ )

-  0 - 1.0
-  1.1 - 10
-  10.1 - 50
-  50.1 - 100
-  100.1 - 1000

**Legend**

-  Septic System
-  Building
-  Potable Well (Approximate) and Pipe



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N.J. Department  
of Environmental  
Protection

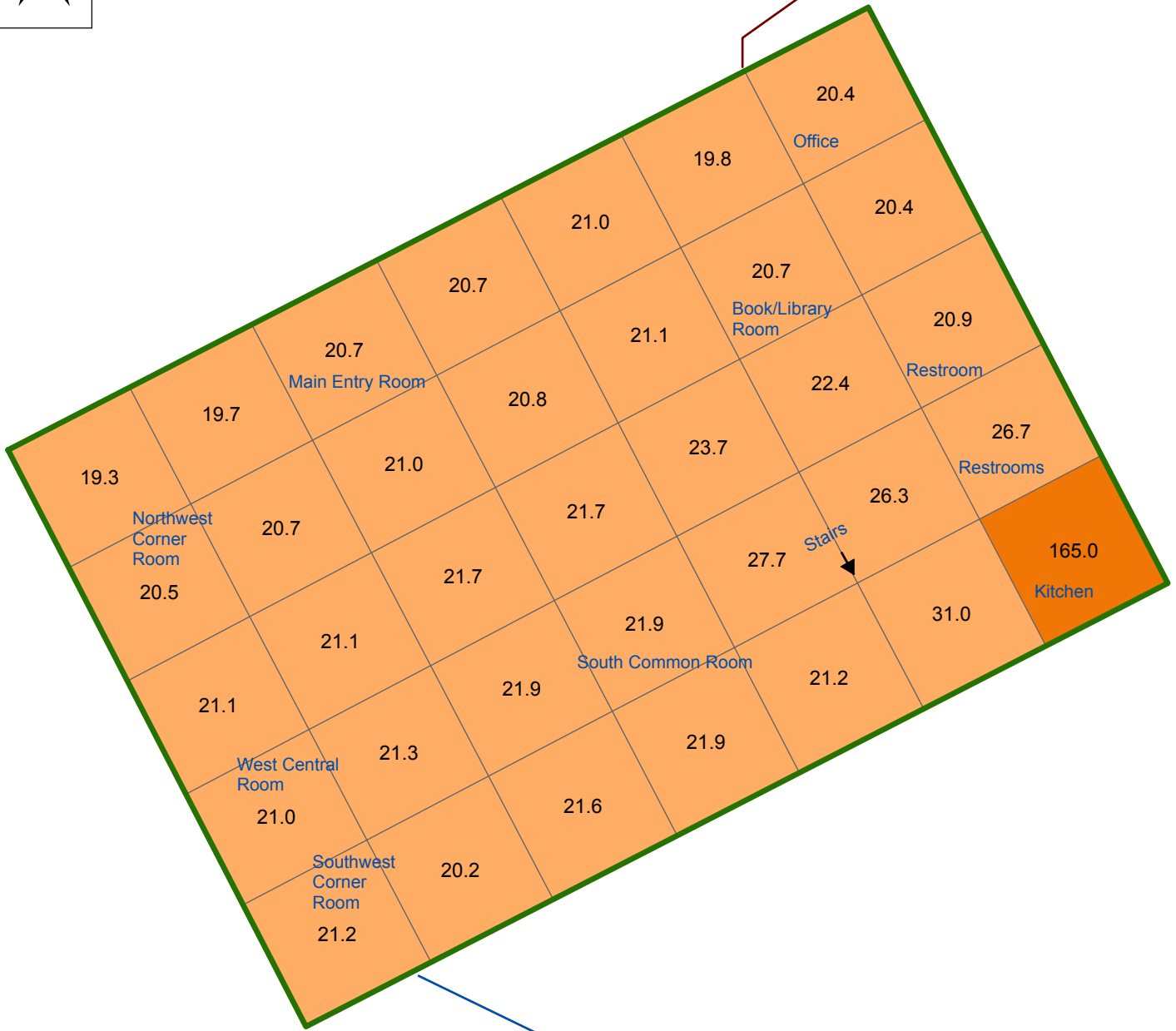
FORMER ACCUTHERM, INC. SITE, FRANKLIN TWP., NEW JERSEY  
**ATTIC REAL-TIME MONITORING RESULTS**  
NJDEP CONTRACT No. A-60243

**The Louis Berger Group, Inc.**  
412 Mt. Kemble Ave.  
Morristown, NJ 07960

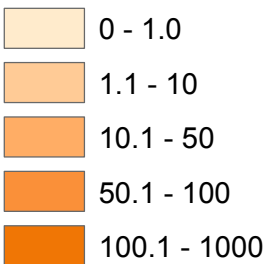
**FIGURE 3**



SEPTIC TANK

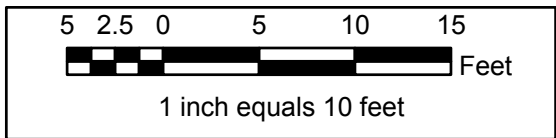


Note:  
Real Time Air Monitoring Locations  
Average Mercury Concentrations (ug/m<sup>3</sup>)



**Legend**

- Septic System
- Building
- Potable Well (Approximate) and Pipe



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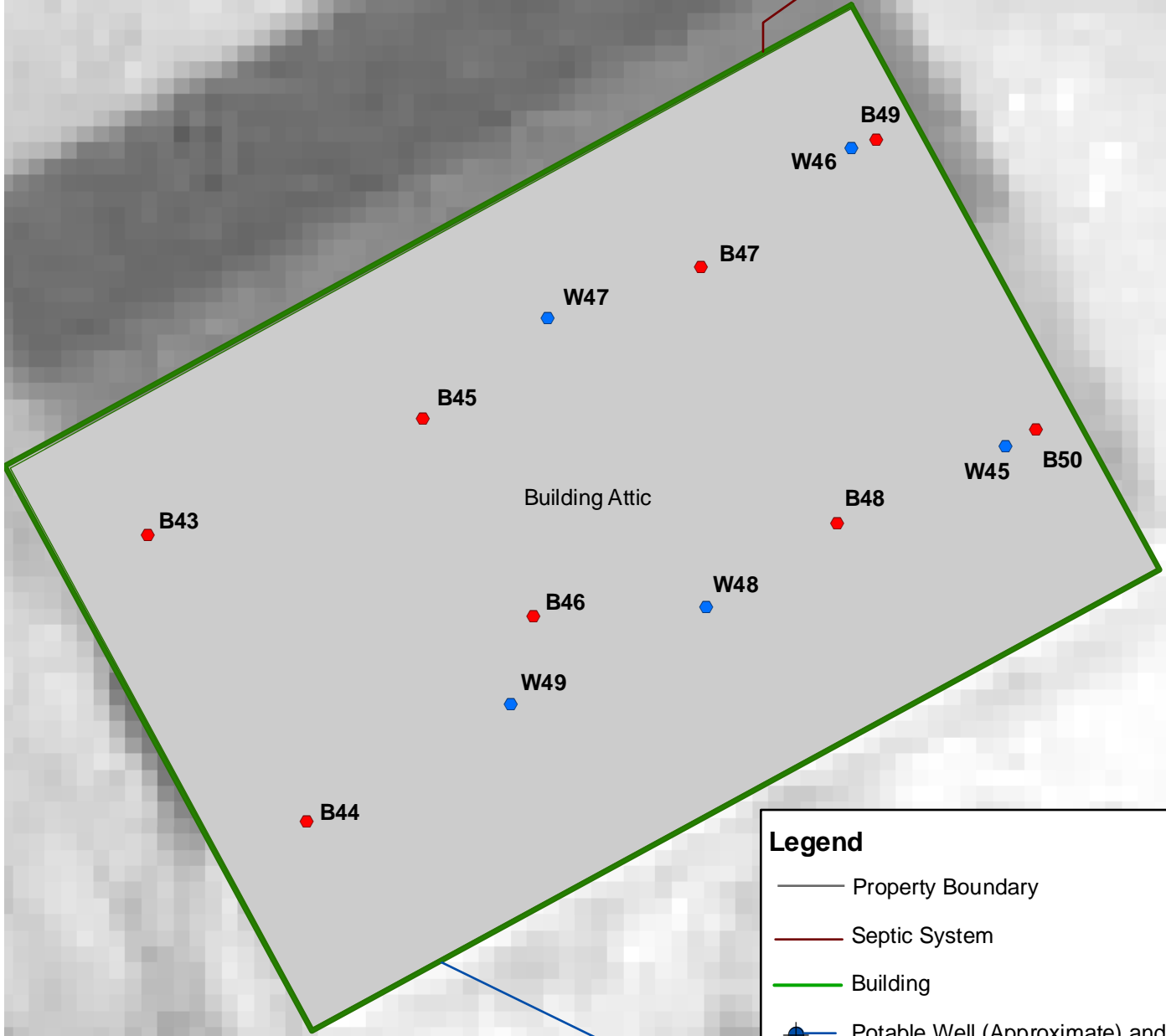






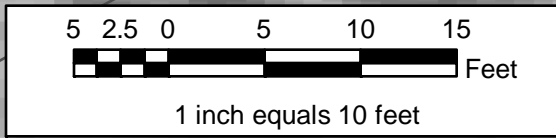
MW-02

SEPTIC TANK



**Legend**

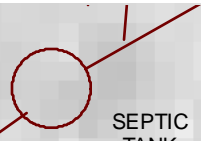
- Property Boundary
- Septic System
- Building
- Potable Well (Approximate) and Pipe
- Monitoring Well
- Bulk Sample Location
- Wipe Sample Location



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MW-02



SEPTIC TANK



**Legend**

- Property Boundary
- Septic System
- Building
- Potable Well (Approximate) and Pipe
- Monitoring Well
- Wipe Sample Location

5 2.5 0 5 10 15  
Feet  
1 inch equals 10 feet

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MW-02

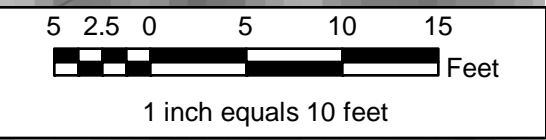


SEPTIC TANK



**Legend**

- Property Boundary
- Septic System
- Building
- Potable Well (Approximate) and Pipe
- Monitoring Well
- Bulk Sample Location



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N.J. Department of Environmental Protection

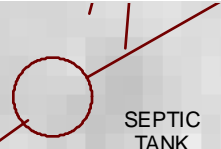
FORMER ACCUTHERM, INC. SITE, FRANKLIN TWP., NEW JERSEY  
**FIRST FLOOR BULK SAMPLE LOCATIONS**  
NJDEP CONTRACT No. A-60243

**The Louis Berger Group, Inc.**  
412 Mt. Kemble Ave.  
Morristown, NJ 07960

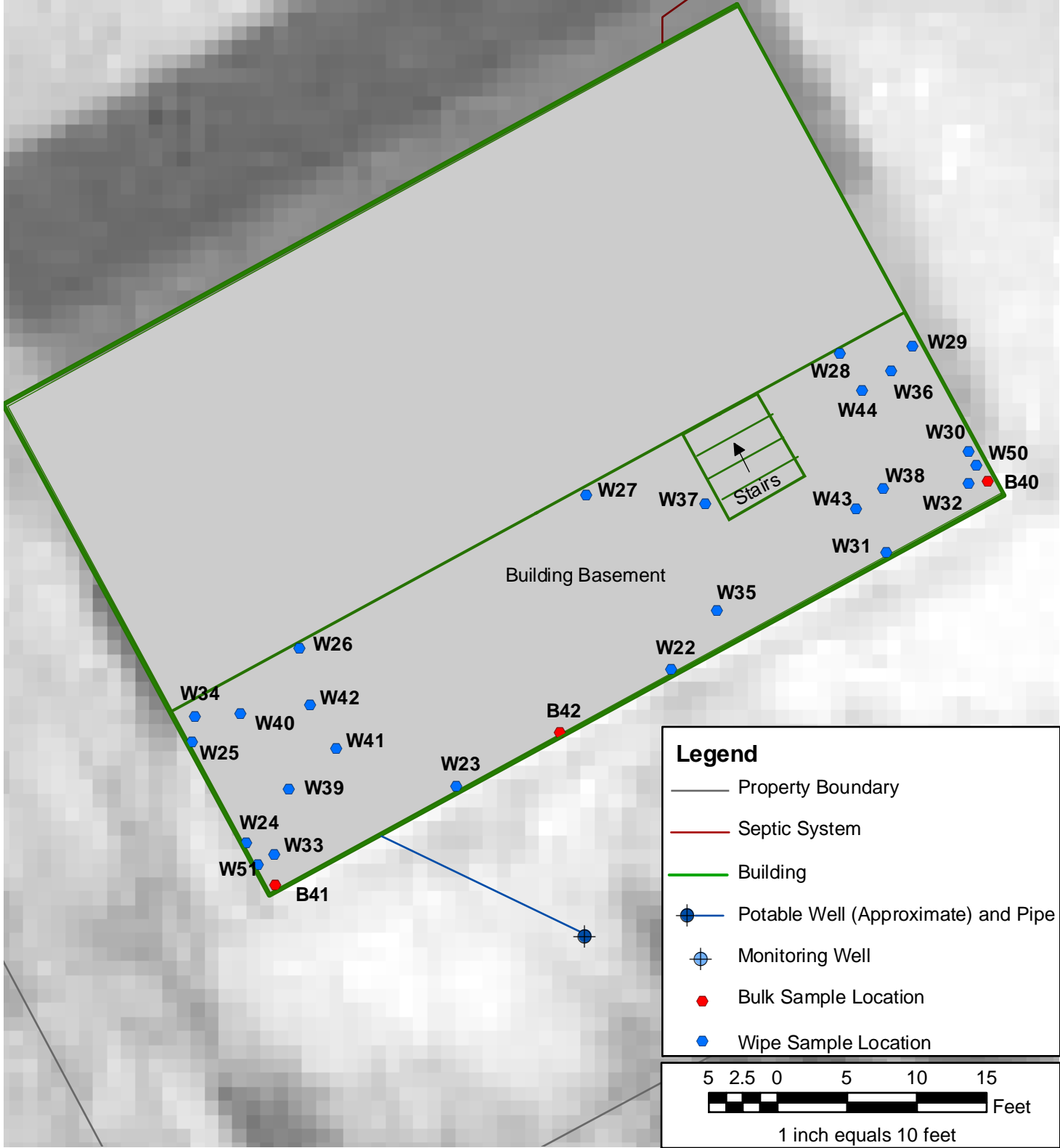
**FIGURE 8**



MW-02

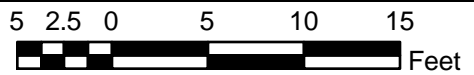


SEPTIC TANK



**Legend**

- Property Boundary
- Septic System
- Building
- Potable Well (Approximate) and Pipe
- Monitoring Well
- Bulk Sample Location
- Wipe Sample Location



1 inch equals 10 feet

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N.J. Department of Environmental Protection

FORMER ACCUTHERM, INC. SITE, FRANKLIN TWP., NEW JERSEY  
**BASEMENT BULK & WIPE SAMPLE LOCATIONS**  
NJDEP CONTRACT No. A-60243



The Louis Berger Group, Inc.  
412 Mt. Kemble Ave.  
Morristown, NJ 07960

**FIGURE 9**

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**Appendix D – Excavation and Soil Boring Logs**

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The Louis Berger Group, Inc.  
412 Mt. Kemble Avenue  
Morristown, NJ 07960

# Drilling Log Legend

## ANTHROPOGENIC STRATA



CONCRETE/  
ASPHALT



FILL



WASTE

## NATIVE SOILS



GP : Poorly Sorted Gravel



SW : Well Sorted Sand



CL : Lean Clay - low plasticity



GW : Well Sorted Gravel



SM : Silty Sand



CH : Fat Clay - high plasticity



GM : Silty Gravel



SC : Clayey Sand



OL : Organic Silt - low plasticity



GC : Clayey Gravel



ML : Silt - low plasticity



OH : Organic Clay - high plasticity



SP : Poorly Sorted Sand



MH : Elastic Silt - high plasticity



PT : Peat

## BEDROCK



BDRX-S  
SEDIMENTARY



BDRX-C  
CARBONATE



BDRX-I  
IGNEOUS



BDRX-M  
METAMORPHIC

## WELL CONSTRUCTION



FILTER PACK



GROUT



SEAL (BENTONITE)



SEAL (FINE SAND)



SCREEN



OPEN CASING



PVC CASING



STEEL CASING

## NOTES:

NA - Not Applicable


### DESCRIPTION (modified from)

The Geological Society of America (GSA), 1995. Rock Color Chart with Munsell® Color Chips 8th Printing.  
Burmister, D.M., 1949. Principles and Techniques of Soil Identification, Proceedings of the Highway Research Board.

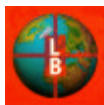
### USCS (based on)

ASTM D2488-00, 2000. Standard Practice for Description and Identification of Soils (Visual-Manual Procedure).  
USDOD 1968. Military Standard Unified Soil Classification System for Roads, Airfields, Embankments and Foundations.

### SYMBOLS

 Water Level in Soil Boring/Well

 Ground Water Elevation



The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Excavation Log

TEST PIT NO.: TP01

Page 1 of 1

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/16/2007

**EXCAVATION CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/16/2007

**EXCAVATOR:** Rubber Tire Backhoe

**OPERATOR:** Brad Barnes

### EXCAVATION DATA

### BACKFILL DATA

**INSPECTOR:** J. Lacañale

**Length (ft):** 36

**Material:** Excavated Fill

**NORTHING (ft):** N/A

**Width (ft):** 2

**Compaction:** Bucket

**EASTING (ft):** N/A

**Depth (ft):** 5.00

**Lifts (ft):** 1

**GROUND ELEVATION (ft):** N/A

**Depth to Water (ft):** N/A

**Restoration:** Native Material

**Depth to Rock (ft):** N/A

### NOTES:

Lithology	USCS	Depth (ft)	PID (ppm)	Description	Remarks
	SP	0	<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little fine Gravel; dry.	Sand, Collected TP01A, TP01C, and TP01E from 0 to 2.0 ft bgs
	SP	1	<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; moist.	
	SP	2	<1	Dark yellowish brown (10YR4/2) coarse to fine SAND, trace Silt, little fine Gravel; moist.	Collected TP01B, TP01D, and TP01F from 4.0 to 4.5 ft bgs
		3			
		4			
		5			Bottom of Pit at 5 ft.



The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Excavation Log

TEST PIT NO.: TP02

Page 1 of 1

CLIENT: New Jersey Department of Environmental Protection

PROJECT NO: JG322B0

PROJECT: Accutherm

DATE STARTED: 5/16/2007

EXCAVATION CONTRACTOR: Uni-Tech Drilling

DATE FINISHED: 5/16/2007

EXCAVATOR: Rubber Tire Backhoe

OPERATOR: Brad Barnes

## EXCAVATION DATA

## BACKFILL DATA

INSPECTOR: J. Lacanlale

Length (ft): 75

Material: Excavated Fill

NORTHING (ft): N/A

Width (ft): 2

Compaction: Bucket

EASTING (ft): N/A

Depth (ft): 4.50

Lifts (ft): 1

GROUND ELEVATION (ft): N/A

Depth to Water (ft): N/A

Restoration: Native Material

Depth to Rock (ft): N/A

## NOTES:

Lithology	USCS	Depth (ft)	PID (ppm)	Description	Remarks
	SP	0	<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little fine Gravel; dry.	Sand, Collected TP02A, TP02C, TP02E, TP02G, and TP02I from 0 to 2.0 ft bgs
	SP	1	<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, trace Silt, little fine Gravel; moist.	
	SP-SC	2	<1	Dark yellowish brown (10YR4/2) coarse to fine SAND, little Clay; moist.	
	SP-SC	3	<1	Moderate yellowish brown (10YR5/4) coarse to fine SAND, little Clay; moist.	Collected TP02B, TP02D, TP02F, TP02H, and TP02J from 4.0 to 4.5 ft bgs
		4			Bottom of Pit at 4.5 ft.





The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Excavation Log

TEST PIT NO.: TP03

Page 1 of 1

CLIENT: New Jersey Department of Environmental Protection

PROJECT NO: JG322B0

PROJECT: Accutherm

DATE STARTED: 5/16/2007

EXCAVATION CONTRACTOR: Uni-Tech Drilling

DATE FINISHED: 5/17/2007

EXCAVATOR: Rubber Tire Backhoe

OPERATOR: Brad Barnes

### EXCAVATION DATA

### BACKFILL DATA

INSPECTOR: J. Lacañale

Length (ft): 75

Material: Excavated Fill

NORTHING (ft): N/A

Width (ft): 2

Compaction: Bucket

EASTING (ft): N/A

Depth (ft): 4.50

Lifts (ft): 1

GROUND ELEVATION (ft): N/A

Depth to Water (ft): N/A

Restoration: Native Material

Depth to Rock (ft): N/A

### NOTES:

Lithology	USCS	Depth (ft)	PID (ppm)	Description	Remarks
	SP	0	<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, trace Silt, little fine Gravel; dry.	Sand, Collected TP03A, TP03E, TP03I from 0 to 2.0 ft bgs
	SP	1	<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little fine Gravel; moist.	Collected TP03C, TP03G from 1.5 to 2.0 ft bgs
	SP	2	<1	Dusky yellowish brown (10YR2/2) coarse to fine SAND, trace Silt, little fine Gravel; moist.	
	SP	3	<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little fine Gravel; moist.	Collected TP03B, TP03D, DUP03, TP03F, TP03H, TP03J from 4.0 to 4.5 ft bgs
		4			Bottom of Pit at 4.5 ft.



The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Excavation Log

TEST PIT NO.: TP04

Page 1 of 1

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/16/2007

**EXCAVATION CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/16/2007

**EXCAVATOR:** Rubber Tire Backhoe

**OPERATOR:** Brad Barnes

**EXCAVATION DATA**

**BACKFILL DATA**

**INSPECTOR:** J. Lacanlale

**Length (ft):** 9

**Material:** Excavated Fill

**NORTHING (ft):** N/A

**Width (ft):** 3

**Compaction:** Bucket

**EASTING (ft):** N/A

**Depth (ft):** 7.50

**Lifts (ft):** 1

**GROUND ELEVATION (ft):** N/A

**Depth to Water (ft):** N/A

**Restoration:** Native Material

**Depth to Rock (ft):** N/A

**NOTES:**

Lithology	USCS	Depth (ft)	PID (ppm)	Description	Remarks
	SP	0	<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, trace Silt, little fine Gravel; dry.	<b>Sand, Collected TP04A from 0 to 2.0 ft bgs</b>
	SP	1	<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little fine Gravel; dry.	
	SP	2	<1	Dusky yellowish brown (10YR2/2) coarse to fine SAND, trace Silt, little fine Gravel; dry.	
	SP	3	<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little fine Gravel; dry.	
		4			<b>Collected TP04B from 7.5 to 8.0 ft bgs</b>
		5			
		6			
		7			<b>Bottom of Pit at 7.5 ft.</b>



The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Excavation Log

TEST PIT NO.: TP05

Page 1 of 1

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/16/2007

**EXCAVATION CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/16/2007

**EXCAVATOR:** Rubber Tire Backhoe

**OPERATOR:** Brad Barnes

### EXCAVATION DATA

### BACKFILL DATA

**INSPECTOR:** J. Lacanlale

**Length (ft):** 10

**Material:** Excavated Fill

**NORTHING (ft):** N/A

**Width (ft):** 10

**Compaction:** Bucket

**EASTING (ft):** N/A

**Depth (ft):** 4.50

**Lifts (ft):** 1

**GROUND ELEVATION (ft):** N/A

**Depth to Water (ft):** N/A

**Restoration:** Native Material

**Depth to Rock (ft):** N/A

### NOTES:

Lithology	USCS	Depth (ft)	PID (ppm)	Description	Remarks
	SP	0	<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, trace Silt, little fine Gravel; dry.	<b>Sand, Collected TP05A and TP05B from 0 to 2.0 ft bgs</b>
	SP	1	<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little fine Gravel; dry.	
	SP	2	<1	Dusky yellowish brown (10YR2/2) coarse to fine SAND, trace Silt, little fine Gravel; dry.	
	SP	3	<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little fine Gravel; dry.	
		4			<b>Collected TP05B and TP05D from 4.0 to 4.5 ft bgs</b>
					<b>Bottom of Pit at 4.5 ft.</b>



The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Excavation Log

TEST PIT NO.: TP06

Page 1 of 1

CLIENT: New Jersey Department of Environmental Protection

PROJECT NO: JG322B0

PROJECT: Accutherm

DATE STARTED: 5/16/2007

EXCAVATION CONTRACTOR: Uni-Tech Drilling

DATE FINISHED: 5/16/2007

EXCAVATOR: Rubber Tire Backhoe

OPERATOR: Brad Barnes

### EXCAVATION DATA

### BACKFILL DATA

INSPECTOR: J. Lacanlale

Length (ft): 36

Material: Excavated Fill

NORTHING (ft): N/A

Width (ft): 2

Compaction: Bucket

EASTING (ft): N/A

Depth (ft): 4.50

Lifts (ft): 1

GROUND ELEVATION (ft): N/A

Depth to Water (ft): N/A

Restoration: Native Material

Depth to Rock (ft): N/A

### NOTES:

Lithology	USCS	Depth (ft)	PID (ppm)	Description	Remarks
	SP	0	<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, trace Silt, little medium to fine Gravel; dry.	Sand, Collected TP06A, DUP04, TP06C, and TP06E from 0 to 2.0 ft bgs
	SP	1	<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little medium to fine Gravel; dry.	
	SP	2	<1	Dusky yellowish brown (10YR2/2) coarse to fine SAND, trace Silt, little medium to fine Gravel; wet.	
			3		
		4			Bottom of Pit at 4.5 ft.



The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Excavation Log

TEST PIT NO.: TP07

Page 1 of 1

CLIENT: New Jersey Department of Environmental Protection

PROJECT NO: JG322B0

PROJECT: Accutherm

DATE STARTED: 5/16/2007

EXCAVATION CONTRACTOR: Uni-Tech Drilling

DATE FINISHED: 5/16/2007

EXCAVATOR: Rubber Tire Backhoe

OPERATOR: Brad Barnes

## EXCAVATION DATA

## BACKFILL DATA

INSPECTOR: J. Lacañale

Length (ft): 22

Material: Excavated Fill

NORTHING (ft): N/A

Width (ft): 15

Compaction: Bucket

EASTING (ft): N/A

Depth (ft): 4.50

Lifts (ft): 1

GROUND ELEVATION (ft): N/A

Depth to Water (ft): N/A

Restoration: Native Material

Depth to Rock (ft): N/A

## NOTES:

Lithology	USCS	Depth (ft)	PID (ppm)	Description	Remarks
	SP-SM	0	<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little Silt, little medium to fine Gravel; dry.	Sand
	SP-SM	1	<1	Light brown (5YR5/6) coarse to fine SAND, little Silt, little medium to fine Gravel; dry.	
	GP	2	<1	Dusky yellowish brown (10YR2/2) coarse to medium GRAVEL; wet.	Gravel
	GP	3			Collected TP07A, TP07B, DUP05, TP07C, TP07D, TO07E from 4.0 to 4.5 ft bgs
SP-SM	4			Light brown (5YR5/6) coarse to fine SAND, little Silt, little medium to fine Gravel; dry.	Sand Bottom of Pit at 4.5 ft.



The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Excavation Log

TEST PIT NO.: TP08

Page 1 of 1

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/17/2007

**EXCAVATION CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/17/2007

**EXCAVATOR:** Rubber Tire Backhoe

**OPERATOR:** Brad Barnes

**EXCAVATION DATA**

**BACKFILL DATA**

**INSPECTOR:** J. Lacanlale

**Length (ft):** 5

**Material:** Excavated Fill

**NORTHING (ft):** N/A

**Width (ft):** 3

**Compaction:** Bucket

**EASTING (ft):** N/A

**Depth (ft):** 5.00

**Lifts (ft):** 1

**GROUND ELEVATION (ft):** N/A

**Depth to Water (ft):** N/A

**Restoration:** Native Material

**Depth to Rock (ft):** N/A

**NOTES:**

Lithology	USCS	Depth (ft)	PID (ppm)	Description	Remarks
	SP	0	<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little fine Gravel; dry.	Sand
		1	<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; moist.	
		2	<1	Dark yellowish brown (10YR4/2) coarse to fine SAND, trace Silt, little fine Gravel; moist.	
		3			
		4			
		5			Bottom of Pit at 5 ft.



The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Drilling Log

Page 1 of 1

**BORING NO.:** SB01

**WELL NO.:** N/A

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/14/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/14/2007

**DRILLING METHOD:** Direct Push

**DRILLER:** Mike Bruynel

## BOREHOLE DATA

## WELL DATA

**INSPECTOR:** J. Lacanlale

**Diameter (in):** 2

**Completion:** N/A

**NORTHING:** N/A

**Total Depth (ft):** 12.00

**Total Depth (ft):** N/A

**EASTING:** N/A

**Sampler:** Macrocore

**Screen Length (ft) /Slot (in):** N/A

**GROUND ELEVATION:** N/A

**Depth to Water (ft):** N/A

**Depth to Water (ft):** N/A

**TOC ELEVATION:** N/A

**Depth to Rock (ft):** N/A

**Permit No.:** N/A

## NOTES:

Well Construction	Depth (ft)	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0		SP				<1	Dark yellowish orange (10YR6/6) coarse to fine SAND; moist.	Sand, Collected SB01A from 0.5 to 2 ft bgs
	2		SP				<1	Dark yellowish brown (10YR4/2) coarse to fine SAND; moist.	
	4		SP				<1	Dark yellowish brown (10YR4/2) coarse to fine SAND; moist.	Collected SB01C from 8.0 to 8.5 ft bgs
	6		SP				<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; moist.	Collected SB01B from 6.5 to 7.0 ft bgs
	8		SP				<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; moist.	
	10								
	12								End of Boring at 12 ft.











The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Drilling Log

Page 1 of 1

**BORING NO.:** SB05

**WELL NO.:** N/A

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/14/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/14/2007

**DRILLING METHOD:** Direct Push

**DRILLER:** Mike Bruynel

## BOREHOLE DATA

## WELL DATA

**Diameter (in):** 2

**Completion:** N/A

**INSPECTOR:** J. Lacanlale

**Total Depth (ft):** 12.00

**Total Depth (ft):** N/A

**NORTHING:** N/A

**Sampler:** Macrocore

**Screen Length (ft) /Slot (in):** N/A

**EASTING:** N/A

**Depth to Water (ft):** N/A

**Depth to Water (ft):** N/A

**GROUND ELEVATION:** N/A

**Depth to Rock (ft):** N/A

**Permit No.:** N/A

**TOC ELEVATION:** N/A

## NOTES:

Well Construction	Depth (ft)	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0		SP				<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little fine Gravel; moist.	<b>Sand, Collected SB05A from 0.5 to 2.0 ft bgs</b>
	2		SP				<1	Dark yellowish brown (10YR4/2) coarse to fine SAND, little fine Gravel; moist.	
	4		SP				<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; moist.	
	8		SP				<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little fine Gravel; moist.	<b>Collected SB05B from 8.0 to 8.5 ft bgs</b>
	12								<b>End of Boring at 12 ft.</b>



The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Drilling Log

Page 1 of 1

**BORING NO.:** SB06

**WELL NO.:** N/A

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/14/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/14/2007

**DRILLING METHOD:** Direct Push

**DRILLER:** Mike Bruynel

## BOREHOLE DATA

## WELL DATA

**INSPECTOR:** J. Lacanlale

**Diameter (in):** 2

**Completion:** N/A

**NORTHING:** N/A

**Total Depth (ft):** 12.00

**Total Depth (ft):** N/A

**EASTING:** N/A

**Sampler:** Macrocore

**Screen Length (ft) /Slot (in):** N/A

**GROUND ELEVATION:** N/A

**Depth to Water (ft):** N/A

**Depth to Water (ft):** N/A

**TOC ELEVATION:** N/A

**Depth to Rock (ft):** N/A

**Permit No.:** N/A

## NOTES:

Well Construction	Depth (ft)	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0		SP				<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little fine Gravel; dry.	Sand, Collected SB06A from 0.5 to 2.0 ft bgs
	2								
	4		SP				<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; moist.	
	6								
	8		SP				<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; moist.	Collected SB06B from 8.0 to 8.5
	10								
	12								End of Boring at 12 ft.



The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Drilling Log

Page 1 of 1

**BORING NO.:** SB07

**WELL NO.:** N/A

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/14/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/14/2007

**DRILLING METHOD:** Direct Push

**DRILLER:** Mike Bruynel

## BOREHOLE DATA

## WELL DATA

**INSPECTOR:** J. Lacanlale

**Diameter (in):** 2

**Completion:** N/A

**NORTHING:** N/A

**Total Depth (ft):** 12.00

**Total Depth (ft):** N/A

**EASTING:** N/A

**Sampler:** Macrocore

**Screen Length (ft) /Slot (in):** N/A

**GROUND ELEVATION:** N/A

**Depth to Water (ft):** N/A

**Depth to Water (ft):** N/A

**TOC ELEVATION:** N/A

**Depth to Rock (ft):** N/A

**Permit No.:** N/A

## NOTES:

Well Construction	Depth (ft)	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0		SP				<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little fine Gravel; moist.	<b>Sand, Collected SB07A from 0.5 to 2.0 ft bgs</b>
	2		SP				<1	Dark yellowish brown (10YR4/2) coarse to fine SAND, little fine Gravel; moist.	
	4		SP				<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; moist.	
	8		SP				<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; moist.	<b>Collected SB07B from 8.0 to 8.5 ft bgs</b>
	12								<b>End of Boring at 12 ft.</b>



The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Drilling Log

Page 1 of 1

**BORING NO.:** SB08

**WELL NO.:** N/A

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/14/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/14/2007

**DRILLING METHOD:** Direct Push

**DRILLER:** Mike Bruynel

## BOREHOLE DATA

## WELL DATA

**INSPECTOR:** J. Lacanlale

**Diameter (in):** 2

**Completion:** N/A

**NORTHING:** N/A

**Total Depth (ft):** 12.00

**Total Depth (ft):** N/A

**EASTING:** N/A

**Sampler:** Macrocore

**Screen Length (ft) /Slot (in):** N/A

**GROUND ELEVATION:** N/A

**Depth to Water (ft):** N/A

**Depth to Water (ft):** N/A

**TOC ELEVATION:** N/A

**Depth to Rock (ft):** N/A

**Permit No.:** N/A

## NOTES:

Well Construction	Depth (ft)	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0		SP				<1	Dark yellowish brown (10YR4/2) coarse to fine SAND, little fine Gravel; moist.	Sand, Collected SB08A from 0.5 to 2.0 ft bgs
	2		SP				<1	Moderate yellowish brown (10YR5/4) coarse to fine SAND, little fine Gravel; moist.	
	4		SP				<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little fine Gravel; moist.	
	8		SP				<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; moist.	Collected SB08B from 8.0 to 8.5 ft bgs
	12								End of Boring at 12 ft.





The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Drilling Log

Page 1 of 1

**BORING NO.:** SB10

**WELL NO.:** N/A

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/14/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/14/2007

**DRILLING METHOD:** Direct Push

**DRILLER:** Mike Bruynel

## BOREHOLE DATA

## WELL DATA

**INSPECTOR:** J. Lacañale

**Diameter (in):** 2

**Completion:** N/A

**NORTHING:** N/A

**Total Depth (ft):** 12.00

**Total Depth (ft):** N/A

**EASTING:** N/A

**Sampler:** Macrocore

**Screen Length (ft) /Slot (in):** N/A

**GROUND ELEVATION:** N/A

**Depth to Water (ft):** N/A

**Depth to Water (ft):** N/A

**TOC ELEVATION:** N/A

**Depth to Rock (ft):** N/A

**Permit No.:** N/A

## NOTES:

Well Construction	Depth (ft)	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0		SP				<1	Moderate yellowish brown (10YR5/4) coarse to fine SAND, trace Silt, little medium to fine Gravel; moist.	<b>Sand</b>
	2								
	4		SP				<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; moist.	<b>Collected SB10 from 4.0 to 10.0 ft bgs</b>
	6								
	8		SP				<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little fine Gravel; moist.	
	10								
	12								<b>End of Boring at 12 ft.</b>





The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Drilling Log

Page 1 of 1

**BORING NO.:** SB11

**WELL NO.:** N/A

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/14/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/14/2007

**DRILLING METHOD:** Direct Push

**DRILLER:** Mike Bruynel

## BOREHOLE DATA

## WELL DATA

**INSPECTOR:** J. Lacañale

**Diameter (in):** 2

**Completion:** N/A

**NORTHING:** N/A

**Total Depth (ft):** 12.00

**Total Depth (ft):** N/A

**EASTING:** N/A

**Sampler:** Macrocore

**Screen Length (ft) /Slot (in):** N/A

**GROUND ELEVATION:** N/A

**Depth to Water (ft):** N/A

**Depth to Water (ft):** N/A

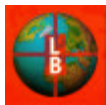
**TOC ELEVATION:** N/A

**Depth to Rock (ft):** N/A

**Permit No.:** N/A

## NOTES:

Well Construction	Depth (ft)	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0		SP				<1	Moderate yellowish brown (10YR5/4) coarse to fine SAND, trace Silt, little fine Gravel; moist.	<b>Sand</b>
	2								
	4		SP				<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little fine Gravel; moist.	<b>Collected SB11 from 4.0 to 4.5 ft bgs</b>
	6								
	8		SP				<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little fine Gravel; moist.	
	10								
	12								<b>End of Boring at 12 ft.</b>



The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Drilling Log

Page 1 of 1

**BORING NO.:** SB12

**WELL NO.:** N/A

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/14/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/14/2007

**DRILLING METHOD:** Direct Push

**DRILLER:** Mike Bruynel

## BOREHOLE DATA

## WELL DATA

**INSPECTOR:** J. Lacañale

**Diameter (in):** 2

**Completion:** N/A

**NORTHING:** N/A

**Total Depth (ft):** 12.00

**Total Depth (ft):** N/A

**EASTING:** N/A

**Sampler:** Macrocore

**Screen Length (ft) /Slot (in):** N/A

**GROUND ELEVATION:** N/A

**Depth to Water (ft):** N/A

**Depth to Water (ft):** N/A

**TOC ELEVATION:** N/A

**Depth to Rock (ft):** N/A

**Permit No.:** N/A

## NOTES:

Well Construction	Depth (ft)	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0		SP				<1	Moderate yellowish brown (10YR5/4) coarse to fine SAND, trace Silt, little fine Gravel; moist.	Sand  Collected SB12 from 4.0 to 10.0 ft bgs
	2								
	4		SP				<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; moist.	
	6								
	8		SP				<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; moist.	
	10								
	12								End of Boring at 12 ft.



The Louis Berger Group, Inc.  
30 Vreeland Road, Building A  
Florham Park, NJ 07932

# Drilling Log

Page 1 of 1

**BORING NO.:** SB13

**WELL NO.:** N/A

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/14/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/14/2007

**DRILLING METHOD:** Direct Push

**DRILLER:** Mike Bruynel

## BOREHOLE DATA

## WELL DATA

**Diameter (in):** 2

**Completion:** N/A

**NORTHING:** N/A

**Total Depth (ft):** 12.00

**Total Depth (ft):** N/A

**EASTING:** N/A

**Sampler:** Macrocore

**Screen Length (ft) /Slot (in):** N/A

**GROUND ELEVATION:** N/A

**Depth to Water (ft):** N/A

**Depth to Water (ft):** N/A

**TOC ELEVATION:** N/A

**Depth to Rock (ft):** N/A

**Permit No.:** N/A

## NOTES:

Well Construction	Depth (ft)	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0		SP				<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little fine Gravel; moist.	Sand, Collected SB13 from 2.5 to 10.0 ft bgs
	2								
	4		SP				<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little fine Gravel; moist.	
	6								
	8		SP				<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, little fine Gravel; moist.	
	10								
	12								End of Boring at 12 ft.

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**Appendix E – Monitoring Well Permits, Logs, Construction  
Diagrams, Records, and Certification Forms A&B**

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STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

3100074388  
7/11/07

Mail To:  
NJDEP  
BUREAU OF WATER SYSTEMS  
AND WELL PERMITTING  
PO BOX 426  
TRENTON, NJ 08625-0426

MONITORING WELL PERMIT  
VALID ONLY AFTER APPROVAL BY THE D.E.P.

Permit No. 3100074392

COORD #: 31.32.40

Owner Edward Putnam - NJDEP  
Address 401 E. State St.  
Trenton, NJ 08625  
Name of Facility Acotherm  
Address 112 Station Ave  
Franklin Twp. NJ

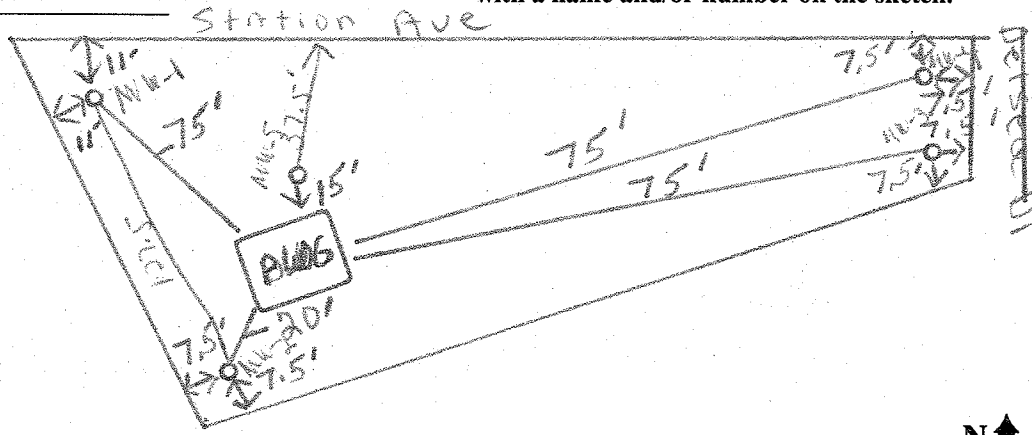
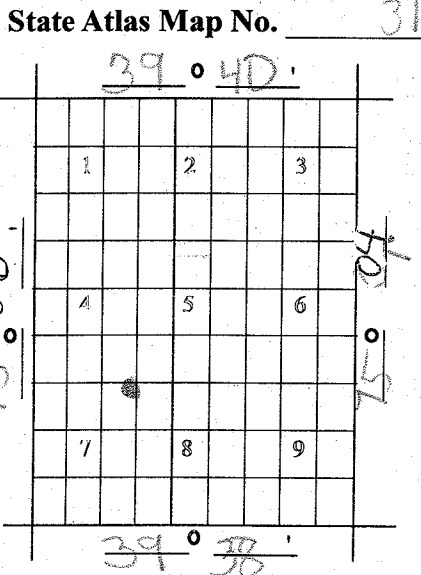
Driller Uni-Tech Drilling Co. Inc  
Address 61 Grays Ferry Rd  
Franklinville, NJ 08332

Diameter of Well(s)	2	Inches	Proposed Depth of Well(s)	40'	Feet
# of Wells	5		Will pumping equipment be utilized?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Applied for (max. 10)	5		If Yes, give pump capacity		cumulative GPM
Type of Well (see reverse)	monitoring				

LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
1	4111	Franklin Twp	Gloucester

Draw sketch of well(s) nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.



PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: 0' \_\_\_\_\_ " \_\_\_\_\_ LONGITUDE: 0' \_\_\_\_\_ " \_\_\_\_\_

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- RCRA Site
- Spill Site
- Underground Storage Tank Site
- ISRA Site
- Operational Ground Water Permit Site
- CERCLA (Superfund) Site
- Pretreatment and Residuals Site
- Water and Hazardous Waste Enforcement Case
- Water Supply Aquifer Test Observation Well
- Other (explain) \_\_\_\_\_

CASE I.D. Number \_\_\_\_\_

This Space for Approval Stamp

WELL PERMIT APPROVED  
N.J. D.E.P.

MAY 24 2007

BUREAU OF WATER SYSTEMS  
& WELL PERMITTING

FOR D.E.P. USE  Issuance of this permit is subject to the conditions attached. (see next page)  For monitoring purposes only

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.  
In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date 5-10-07 Signature of Driller [Signature] Registration No. JA1256  
Signature of Property Owner [Signature]



The Louis Berger Group, Inc.  
412 Mt Kemble Ave  
Morristown, NJ 07960

# Drilling Log

Page 1 of 2

**BORING NO.:** MW01

**WELL NO.:** MW01

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/29/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/29/2007

**DRILLING METHOD:** Hollow Stem Auger

**DRILLER:** Mike Bruynel

## BOREHOLE DATA

## WELL DATA

**Diameter (in):** 8.25

**Completion:** 2" PVC/Flushmount

**INSPECTOR:** J. Lacanlale

**Total Depth (ft):** 30

**Total Depth (ft):** 28.0

**NORTHING:** 281015.89

**Sampler:** Split Spoon/Grab Cuttings

**Screen Length (ft) /Slot (in):** 10/0.010

**GROUND ELEVATION:** 112.13

**Depth to Water (ft):** 21

**Depth to Water (ft):** 21.8

**TOC ELEVATION:** 111.83


**Depth to Rock (ft):** N/A

**Permit No.:** 3100074388

## NOTES:

Well Construction	Depth	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0		SP				NA	Moderate yellowish brown (10YR5/4) coarse to fine SAND, little fine Gravel; dry.	Sand
	5					<1	Moderate yellowish brown (10YR5/4) coarse to fine SAND, little fine Gravel; dry.		
						NA	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little fine Gravel; dry.		
	10					<1	Dark yellowish orange (10YR6/6) coarse to fine SAND; dry.		
			SP			<1	Dark yellowish orange (10YR6/6) coarse to fine SAND; dry.		



Well	Depth	Lith.	USCS	Interval	Rec.	Blows	PID	Description	Remarks
	15		SP				<1	Dark yellowish orange (10YR6/6) to grayish orange (10YR7/4) coarse to fine SAND; dry.	
			SP				<1	Dark yellowish orange (10YR6/6) to grayish orange (10YR7/4) medium to fine SAND; moist.	
			SP				<1	Dark yellowish orange (10YR6/6) medium to fine SAND; moist.	
	20		SP				<1	Dark yellowish orange (10YR6/6) medium to fine SAND; wet.	
			SP				NA	Dark yellowish orange (10YR6/6) medium to fine SAND; wet.	 Water Level at 21 ft. bgs.
	25								
	30								End of Boring at 30 ft.



The Louis Berger Group, Inc.  
412 Mt Kemble Ave  
Morristown, NJ 07960

# Drilling Log

Page 1 of 2

**BORING NO.:** MW02

**WELL NO.:** MW02

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/29/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/29/2007

**DRILLING METHOD:** Hollow Stem Auger

**DRILLER:** Mike Bruynel

**BOREHOLE DATA**

**WELL DATA**

**Diameter (in):** 8.25

**Completion:** 2"PVC/Flushmount

**INSPECTOR:** J. Lacañale

**Total Depth (ft):** 30

**Total Depth (ft):** 28.0

**NORTHING:** 281012.85

**Sampler:** Split Spoon/Grab Cuttings

**Screen Length (ft) /Slot (in):** 10/0.010

**GROUND ELEVATION:** 112.87

**Depth to Water (ft):** 21

**Depth to Water (ft):** 22.86

**TOC ELEVATION:** 112.59

**Depth to Rock (ft):** N/A

**Permit No.:** 3100074389

**NOTES:**

Well Construction	Depth	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0		SP				<1	Moderate yellowish brown (10YR5/4) coarse to fine SAND, trace Silt, little fine Gravel; dry.	Sand
	5						<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little fine Gravel; dry.	
	10						<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; dry.	





Well	Depth	Lith.	USCS	Interval	Rec.	Blows	PID	Description	Remarks
	15		SP				<1	Light brown (5YR5/6) coarse to fine SAND, little fine Gravel; dry.	
	20		SP				<1	Dark yellowish orange (10YR6/6) medium to fine SAND, trace fine Gravel; wet.	
	25		SP				<1	Dark yellowish orange (10YR6/6) medium to fine SAND, trace fine Gravel; wet.	
	30								<b>End of Boring at 30 ft.</b>

Water Level at 21 ft. bgs.



The Louis Berger Group, Inc.  
412 Mt Kemble Ave  
Morristown, NJ 07960

# Drilling Log

Page 1 of 2

**BORING NO.:** MW03

**WELL NO.:** MW03

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/29/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/29/2007

**DRILLING METHOD:** Hollow Stem Auger

**DRILLER:** Mike Bruynel

**BOREHOLE DATA**

**WELL DATA**

**Diameter (in):** 8.25

**Completion:** 2" PVC/Stick-up

**INSPECTOR:** J. Lacañale

**Total Depth (ft):** 30.0

**Total Depth (ft):** 28.0

**NORTHING:** 280905.07

**Sampler:** Split Spoon/Grab Cuttings

**Screen Length (ft) /Slot (in):** 10/0.010

**GROUND ELEVATION:** 110.80

**Depth to Water (ft):** 20

**Depth to Water (ft):** 22.54

**TOC ELEVATION:** 112.31


**Depth to Rock (ft):** N/A

**Permit No.:** 3100074390

**NOTES:**

Well Construction	Depth	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0		SP				<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little fine Gravel; dry.	Sand
	5						<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little fine Gravel; dry.	
	10						<1	Dark yellowish orange (10YR6/6) medium to fine SAND, trace fine Gravel; dry.	



Well	Depth	Lith.	USCS	Interval	Rec.	Blows	PID	Description	Remarks
	15		SP				<1	Dark yellowish orange (10YR6/6) medium to fine SAND, trace fine Gravel; dry.	
			SP				<1	Dark yellowish orange (10YR6/6) medium to fine SAND, trace fine Gravel; moist.	
	20		SP				<1	Dark yellowish orange (10YR6/6) medium to fine SAND; wet.	
			SP				<1	Dark yellowish orange (10YR6/6) medium to fine SAND; wet.	 Water Level at 22 ft. bgs.
	25								
	30								End of Boring at 30 ft. bgs.



The Louis Berger Group, Inc.  
412 Mt Kemble Ave  
Morristown, NJ 07960

# Drilling Log

Page 1 of 2

**BORING NO.:** MW04

**WELL NO.:** MW04

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/30/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/30/2007

**DRILLING METHOD:** Hollow Stem Auger

**DRILLER:** Mike Bruynel

## BOREHOLE DATA

## WELL DATA

**Diameter (in):** 8.25

**Completion:** 2" PVC/Stick-up

**INSPECTOR:** J. Lacañale

**Total Depth (ft):** 30.0

**Total Depth (ft):** 28.0

**NORTHING:** 281035.66

**Sampler:** Split Spoon/Grab Cuttings

**Screen Length (ft) /Slot (in):** 10/0.010

**GROUND ELEVATION:** 112.32

**Depth to Water (ft):** 21

**Depth to Water (ft):** 23.97

**TOC ELEVATION:** 114.02

**Depth to Rock (ft):** N/A

**Permit No.:** 3100074391

## NOTES:

Well Construction	Depth	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0						<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little medium to fine Gravel; dry.	Sand
	5						<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, some coarse to fine Gravel; dry.	Gravelly Sand
	10						<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, trace fine Gravel; dry.	Sand



Well	Depth	Lith.	USCS	Interval	Rec.	Blows	PID	Description	Remarks
	15		SP				<1	Dark yellowish orange (10YR6/6) medium to fine SAND; dry.	
	20		SP				<1	Dark yellowish orange (10YR6/6) coarse to fine SAND; wet.	
	25		SP				<1	Dark yellowish orange (10YR6/6) coarse to fine SAND; wet.	
	30								End of Boring at 30 ft.

Water Level at 21 ft. bgs.

End of Boring at 30 ft.



The Louis Berger Group, Inc.  
412 Mt Kemble Ave  
Morristown, NJ 07960

# Drilling Log

Page 1 of 2

**BORING NO.:** MW05

**WELL NO.:** MW05

**CLIENT:** New Jersey Department of Environmental Protection

**PROJECT NO.:** JG322B0

**PROJECT:** Accutherm

**DATE STARTED:** 5/30/2007

**DRILLING CONTRACTOR:** Uni-Tech Drilling

**DATE FINISHED:** 5/30/2007

**DRILLING METHOD:** Hollow Stem Auger

**DRILLER:** Mike Bruynel

## BOREHOLE DATA

## WELL DATA

**Diameter (in):** 8.25

**Completion:** 2" PVC/Stick-up

**INSPECTOR:** J. Lacañale

**Total Depth (ft):** 30.0

**Total Depth (ft):** 28.0

**NORTHING:** 280992.46

**Sampler:** Split Spoon/Grab Cuttings

**Screen Length (ft) /Slot (in):** 10/0.010

**GROUND ELEVATION:** 111.86

**Depth to Water (ft):** 21

**Depth to Water (ft):** 23.73

**TOC ELEVATION:** 113.63

**Depth to Rock (ft):** N/A

**Permit No.:** 3100074392

## NOTES:

Well Construction	Depth	Lithology	USCS	Sample Interval	Sample Recovery	Blows/6 in	PID (ppm)	Description	Remarks
	0		SP				<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, little medium to fine Gravel; dry.	Sand
	5						<1	Light brown (5YR5/6) coarse to fine SAND, trace Silt, some coarse to fine Gravel; dry.	Gravelly Sand
	10						<1	Dark yellowish orange (10YR6/6) coarse to fine SAND, trace Gravel; dry.	Sand



Well	Depth	Lith.	USCS	Interval	Rec.	Blows	PID	Description	Remarks
	15	SP					<1	Dark yellowish orange (10YR6/6) medium to fine SAND; dry.	
	20	SP					<1	Dark yellowish orange (10YR6/6) coarse to fine SAND; wet.	
	25	SP					<1	Dark yellowish orange (10YR6/6) coarse to fine SAND; wet.	
	30								End of Boring at 30 ft.

Water Level at 21 ft. bgs.

End of Boring at 30 ft.

**MONITORING WELL RECORD**

OWNER IDENTIFICATION NJDEP

Address 401 E. STATE ST. City Trenton State New Jersey Zip Code 08625

WELL LOCATION - If not the same as owner please give address  
County Gloucester Municipality Franklin Twp Owner's Well No. MW-1  
Address 162 STATION AVENUE ACCUTHERM Lot No. 1 Block No. 4111

WELL USE Monitoring

DATE WELL STARTED 5/29/07  
DATE WELL COMPLETED 5/29/07

WELL CONSTRUCTION

Total Depth Drilled 30 ft.  
Finished Well Depth 28 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	18	2	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used .010)	18	28	2	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	15	30		#1 Sand	500
Grout	0	15		Neat Cement Bentonite	300 lbs 25 lbs

Well was finished:  above grade  
 flush mounted  
If finished above grade, casing height (stick up) above land surface \_\_\_\_\_ ft.

Steel protective casing installed?  
 Yes  No

Static Water Level after drilling 21 ft.  
Water Level was Measured Using M Scope

Well was developed for 1 hours at 2 gpm

Method of development Pump  
Pump Capacity \_\_\_\_\_ gpm

Pump Type \_\_\_\_\_  
Drilling Fluid NONE Type of Rig HSA-CME75

Health and Safety Plan Submitted?  Yes  No  
Level of Protection used on site (circle one) None (D) C B A

Grouting Method Pressure Tremie  
Drilling Method HSA

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-5' CMF tan-orange sand  
5-10' MF tan silty sand w/ small gravels  
10-25' CMF tan sand w/ yellow clay  
25-30' MF tan sand

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET  
NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR  
LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING CO INC  
Well Driller (Print) Michael Conover  
Driller's Signature Michael Conover  
Registration No. JD1585 Date 5/30/07



**MONITORING WELL RECORD**

OWNER IDENTIFICATION NJDEP

Address 401 E. STATE ST.

City Trenton

State New Jersey

Zip Code 08625

WELL LOCATION - If not the same as owner please give address

County Gloucester Municipality Franklin Twp

Owner's Well No. MW-2

Address 162 STATION AVENUE ACCUTHERM

Lot No. 1 Block No. 4111

WELL USE Monitoring

DATE WELL STARTED 5-29-07

DATE WELL COMPLETED 5-29-07

WELL CONSTRUCTION

Total Depth Drilled 30 ft.

Finished Well Depth 28 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well was finished:  above grade  
 flush mounted

If finished above grade, casing height (stick up) above land surface \_\_\_\_\_ ft.

Steel protective casing installed?

Yes  No

Static Water Level after drilling 21 ft.

Water Level was Measured Using N. Scope

Well was developed for 1 hours

at 2 gpm

Method of development Pump

Pump Capacity \_\_\_\_\_ gpm

Pump Type \_\_\_\_\_

Drilling Fluid NONE Type of Rig CME 75

Health and Safety Plan Submitted?  Yes  No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	18	2"	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 010)	18	28	2"	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	15	30		#1 Sand	500
Grout	0	15		Neat Cement Bentonite	300 lbs 25 lbs

Grouting Method Pressure Tremie  
Drilling Method HSA

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-5' CMF tan-orange Sand

5-10' MF tan silty sand w/ trace small gravel

10'-25' CMF tan sand w/ silt

25-30 tan MF sand

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR

LATITUDE: 0' \_\_\_\_\_ " LONGITUDE: 0' \_\_\_\_\_ "

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING CO INC

Well Driller (Print) Michael Conover

Driller's Signature Michael Conover

Registration No. JD1585 Date 5/30/07

**MONITORING WELL RECORD**

**OWNER IDENTIFICATION NJDEP**

Address 401 E. STATE ST.

City Trenton State New Jersey Zip Code 08625

**WELL LOCATION - If not the same as owner please give address**

County Gloucester Municipality Franklin Twp Owner's Well No. mw-3  
Lot No. 1 Block No. 4111

Address 162 STATION AVENUE ACCUTHERM

**WELL USE** Monitoring

DATE WELL STARTED 5-29-07

DATE WELL COMPLETED 5-29-07

**WELL CONSTRUCTION**

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+2	18	2"	PVC	Sch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>.010</u> )	18	28	2"	PVC	Sch40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	15	30		#1 Sand	500
Grout	0	15		Neat Cement Bentonite	300 lbs 25 lbs

Total Depth Drilled 30 ft.

Finished Well Depth 20 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well was finished:  above grade  
 flush mounted

If finished above grade, casing height (stick up) above land surface 2 ft.

Steel protective casing installed?

Yes  No

Static Water Level after drilling 21 ft.

Water Level was Measured Using M Scope

Well was developed for 1 hours at 2 gpm

Method of development Pump

Pump Capacity \_\_\_\_\_ gpm

Pump Type \_\_\_\_\_

Drilling Fluid NONE Type of Rig CMU 75

Health and Safety Plan Submitted?  Yes  No

Level of Protection used on site (circle one) None (D) C B A

Grouting Method Pressure Tremie  
Drilling Method HSA

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-5' CMF tan-orange sand

5-10' MF tan silty sand

10-25' CMF tan sand w/ silt w/ yellow clay

25-30' tan MF sand

**AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR

LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING CO INC

Well Driller (Print) Michael Conover

Driller's Signature Michael Conover

Registration No. JD1585 Date 5/30/07

**MONITORING WELL RECORD**

**OWNER IDENTIFICATION** NJDEP

Address 401 E. STATE ST. Zip Code 08625  
City Trenton State New Jersey

**WELL LOCATION - If not the same as owner please give address**

County Gloucester Municipality Franklin Twp Owner's Well No. MW-4  
Address 162 STATION AVENUE ACCUTHERM Lot No. 1 Block No. 4111

WELL USE Monitoring

DATE WELL STARTED 5-30-07  
DATE WELL COMPLETED 5-30-07

**WELL CONSTRUCTION**

Total Depth Drilled 30 ft.  
Finished Well Depth 28 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>12</u>	<u>18</u>	<u>2"</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>010</u> )	<u>18</u>	<u>28</u>	<u>2"</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>15</u>	<u>30</u>		<u>#1 sand</u>	<u>500</u>
Grout	<u>0</u>	<u>15</u>		<u>Neat Cement Bentonite</u>	<u>300 lbs</u> <u>25 lbs</u>

Well was finished:  above grade  
 flush mounted

If finished above grade, casing height (stick up) above land surface 2 ft.

Steel protective casing installed?  
 Yes  No

Static Water Level after drilling 21 ft.

Water Level was Measured Using M-Scope

Well was developed for 1 hours at 2 gpm

Method of development Pump

Pump Capacity \_\_\_\_\_ gpm

Pump Type \_\_\_\_\_

Drilling Fluid NONE Type of Rig CMU 75

Health and Safety Plan Submitted?  Yes  No

Level of Protection used on site (circle one) None (D) C B A

Grouting Method Pressure Tremie  
Drilling Method HSA

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING CO INC  
Well Driller (Print) Michael Conover  
Driller's Signature Michael Conover  
Registration No. JD1585 Date 5/30/07

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations	
<u>0-15'</u>	<u>cmf tan sand</u>
<u>15-25'</u>	<u>mf silty sand tan</u>
<u>25-30'</u>	<u>cmf tan sand w/ small gravel</u>

**AS-BUILT WELL LOCATION**  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET  
NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

**MONITORING WELL RECORD**

**OWNER IDENTIFICATION NJDEP**

Address 401 E. STATE ST.  
City Trenton State New Jersey Zip Code 08625

**WELL LOCATION - If not the same as owner please give address** Owner's Well No. MW-5

County Gloucester Municipality Franklin Twp Lot No. 1 Block No. 4111

Address 162 STATION AVENUE ACCUTHERM

**WELL USE** Monitoring

DATE WELL STARTED 5-30-07

DATE WELL COMPLETED 5-30-07

**WELL CONSTRUCTION**

Total Depth Drilled 30 ft.  
Finished Well Depth 28 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+2	18	2"	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>.010</u> )	18	28	2"	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	15	38		#1 Sand	500
Grout	0	15		Neat Cement Bentonite	300 lbs 25 lbs

Well was finished:  above grade  
 flush mounted

If finished above grade, casing height (stick up) above land surface 2 ft.

Steel protective casing installed?

Yes  No

Static Water Level after drilling 21 ft.

Water Level was Measured Using M-SCOPE

Well was developed for 1 hours

at 2 gpm

Method of development Pump

Pump Capacity \_\_\_\_\_ gpm

Pump Type \_\_\_\_\_

Drilling Fluid NONE Type of Rig CME 75

Health and Safety Plan Submitted?  Yes  No

Level of Protection used on site (circle one) None (D) C B A

Grouting Method Pressure Tremie  
Drilling Method HOA

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-15" CMF tan sand  
15-25" MF silty tan sand  
25-30 CMF tan sand w/ small gravels

**AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR

LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING CO INC

Well Driller (Print) Michael Conover

Driller's Signature Michael Conover

Registration No. JD 1585 Date 5/30/07

**MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION**

Name of Owner: New Jersey Department of Environmental Protection  
Name of Facility: Former Accutherm, Inc. Site  
Location: Franklin Township, New Jersey  
UST Registration No.: NA BUST case No.: NA

**CERTIFICATION**

Well Permit Number: <u>3100074388</u>	Owner's Well Number: <u>MW01</u>
Well Completion Date: <u>5/29/2007</u>	Lithologic Log: <u>Attach</u>
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	<u>0.30</u>
Total Depth of Well to the nearest 1/2 foot:	<u>28.0</u>
Depth to Top of Screen (or Top of Open Hole) From Top of Casing (one-hundredth of a foot):	<u>17.70</u>
Screen Length (or length of open hole) in feet:	<u>10</u>
Screen or Slot Size:	<u>.010</u>
Screen or Slot Material:	<u>Sch. 40 PVC</u>
Casing Material: (PVC, Steel or Other-Specify)	<u>Sch. 40 PVC</u>
Casing Diameter (inches):	<u>2</u>
Static Water Level From Top of Casing at the Time of Installation (one-hundredth of a foot):	<u>21.80</u>
Yield (gallons per minute):	<u>1.67</u>
Development Technique (specify):	<u>Submersible Pump</u>
Length of Time Well is Developed/Pumped or Bailed:	<u>1.5 hours</u>

**Authentication**

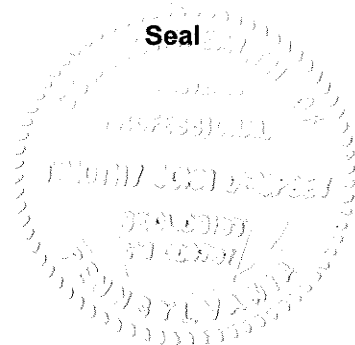
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Technical Certification:

Timothy J. Dempsey  
Name (Type or Print)

*Timothy J. Dempsey*  
Signature

PG 004767  
Certification or License No.





**MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION**

Name of Owner: New Jersey Department of Environmental Protection  
Name of Facility: Former Accutherm, Inc. Site  
Location: Franklin Township, New Jersey  
UST Registration No.: NA BUST case No.: NA

**CERTIFICATION**

Well Permit Number: <u>3100074390</u>	Owner's Well Number: <u>MW03</u>
Well Completion Date: <u>5/29/2007</u>	Lithologic Log: <u>Attach</u>
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	<u>1.51</u>
Total Depth of Well to the nearest 1/2 foot:	<u>28.0</u>
Depth to Top of Screen (or Top of Open Hole) From Top of Casing (one-hundredth of a foot):	<u>19.51</u>
Screen Length (or length of open hole) in feet:	<u>10</u>
Screen or Slot Size:	<u>.010</u>
Screen or Slot Material:	<u>Sch. 40 PVC</u>
Casing Material: (PVC, Steel or Other-Specify)	<u>Sch. 40 PVC</u>
Casing Diameter (inches):	<u>2</u>
Static Water Level From Top of Casing at the Time of Installation (one-hundredth of a foot):	<u>22.50</u>
Yield (gallons per minute):	<u>1.75</u>
Development Technique (specify):	<u>Submersible Pump</u>
Length of Time Well is Developed/Pumped or Bailed:	<u>40 minutes</u>

**Authentication**

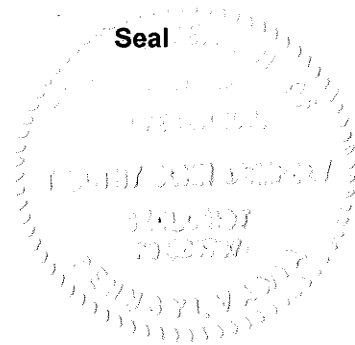
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Technical Certification:

Timothy J. Dempsey  
Name (Type or Print)

  
Signature

PG 004767  
Certification or License No.



**MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION**

Name of Owner: New Jersey Department of Environmental Protection  
Name of Facility: Former Accutherm, Inc. Site  
Location: Franklin Township, New Jersey  
UST Registration No.: NA BUST case No.: NA

**CERTIFICATION**

Well Permit Number: <u>3100074391</u>	Owner's Well Number: <u>MW04</u>
Well Completion Date: <u>5/30/2007</u>	Lithologic Log: <u>Attach</u>
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	<u>1.70</u>
Total Depth of Well to the nearest 1/2 foot:	<u>28.0</u>
Depth to Top of Screen (or Top of Open Hole) From Top of Casing (one-hundredth of a foot):	<u>19.70</u>
Screen Length (or length of open hole) in feet:	<u>10</u>
Screen or Slot Size:	<u>.010</u>
Screen or Slot Material:	<u>Sch. 40 PVC</u>
Casing Material: (PVC, Steel or Other-Specify)	<u>Sch. 40 PVC</u>
Casing Diameter (inches):	<u>2</u>
Static Water Level From Top of Casing at the Time of Installation (one-hundredth of a foot):	<u>24.00</u>
Yield (gallons per minute):	<u>2.2</u>
Development Technique (specify):	<u>Submersible Pump</u>
Length of Time Well is Developed/Pumped or Bailed:	<u>1 hour</u>

**Authentication**

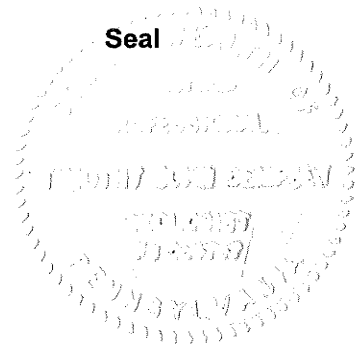
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Technical Certification:

Timothy J. Dempsey  
Name (Type or Print)

  
Signature

PG 004767  
Certification or License No.





**MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION**

Name of Owner: New Jersey Department of Environmental Protection  
Name of Facility: Former Accutherm, Inc. Site  
Location: Franklin Township, New Jersey  
UST Registration No.: NA BUST case No.: NA

**CERTIFICATION**

Well Permit Number: <u>3100074392</u>	Owner's Well Number: <u>MW05</u>
Well Completion Date: <u>5/30/2007</u>	Lithologic Log: <u>Attach</u>
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	<u>1.77</u>
Total Depth of Well to the nearest 1/2 foot:	<u>28.0</u>
Depth to Top of Screen (or Top of Open Hole) From Top of Casing (one-hundredth of a foot):	<u>19.77</u>
Screen Length (or length of open hole) in feet:	<u>10</u>
Screen or Slot Size:	<u>.010</u>
Screen or Slot Material:	<u>Sch. 40 PVC</u>
Casing Material: (PVC, Steel or Other-Specify)	<u>Sch. 40 PVC</u>
Casing Diameter (inches):	<u>2</u>
Static Water Level From Top of Casing at the Time of Installation (one-hundredth of a foot):	<u>23.70</u>
Yield (gallons per minute):	<u>2.0</u>
Development Technique (specify):	<u>Submersible Pump</u>
Length of Time Well is Developed/Pumped or Bailed:	<u>1 hour</u>

**Authentication**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Technical Certification:

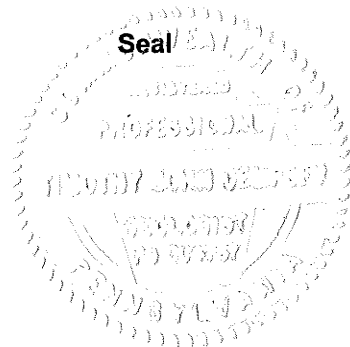
Timothy J. Dempsey

Name (Type or Print)

  
Signature

PG 004767

Certification or License No.



**MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION**

Name of Owner: New Jersey Department of Environmental Protection

Name of Facility: Former Accutherm Site

Location: Franklin Township, New Jersey

Case Number(s): NA (UST #, ISRA #, Incident #, or EPA #)

**LAND SURVEYOR'S CERTIFICATION**

Well Permit Number: 3100074388  
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): MW- 1

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 075-04-10.2 Latitude: North 39-36-12.72

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 281015.89 East 331666.02

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 111.83

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

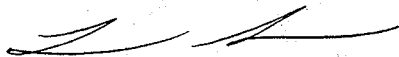
**ON SITE BENCHMARK MGPS-1001 (ELEV. 112.70, NAVD88) EST. FROM NJGC CORS ARP**

Significant observations and notes: \_\_\_\_\_

**AUTHENTICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL



PROFESSIONAL LAND SURVEYOR'S SIGNATURE

10/3/07

DATE

MICHAEL F. BURNS, PLS  
PROFESSIONAL LAND SURVEYOR'S LICENSE NUMBER 34841  
MASER CONSULTING, P.A.  
100 AMERICAN METRO BOULEVARD, SUITE 152  
HAMILTON, NJ 08619 (609-587-8200)

**MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION**

Name of Owner: New Jersey Department of Environmental Protection

Name of Facility: Former Accutherm Site

Location: Franklin Township, New Jersey

Case Number(s): NA (UST #, ISRA #, Incident #, or EPA #)

**LAND SURVEYOR'S CERTIFICATION**

Well Permit Number: 3100074389  
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): MW- 2

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 075-04-09.3 Latitude: North 39-36-12.70

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 281012.85 East 331736.60

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 112.59

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

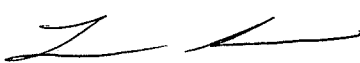
ON SITE BENCHMARK MGPS-1001 (ELEV. 112.70, NAVD88) EST. FROM NJGC CORS ARP \_\_\_\_\_

Significant observations and notes: \_\_\_\_\_

**AUTHENTICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

  
\_\_\_\_\_  
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

10/3/07  
\_\_\_\_\_  
DATE

MICHAEL F. BURNS, PLS  
PROFESSIONAL LAND SURVEYOR'S LICENSE NUMBER 34841  
MASER CONSULTING, P.A.  
100 AMERICAN METRO BOULEVARD, SUITE 152  
HAMILTON, NJ 08619 (609-587-8200)

# MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: New Jersey Department of Environmental Protection

Name of Facility: Former Accutherm Site

Location: Franklin Township, New Jersey

Case Number(s): NA (UST #, ISRA #, Incident #, or EPA #)

### LAND SURVEYOR'S CERTIFICATION

Well Permit Number: 3100074390  
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): MW- 3

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 075-04-09.6 Latitude: North 39-36-11.6

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 280905.07 East 331718.32

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 112.31

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)


ON SITE BENCHMARK MGPS-1001 (ELEV. 112.70, NAVD88) EST. FROM NJGC CORS ARP \_\_\_\_\_

Significant observations and notes: \_\_\_\_\_

### AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL



PROFESSIONAL LAND SURVEYOR'S SIGNATURE

10/3/07

DATE

MICHAEL F. BURNS, PLS  
PROFESSIONAL LAND SURVEYOR'S LICENSE NUMBER 34841  
MASER CONSULTING, P.A.  
100 AMERICAN METRO BOULEVARD, SUITE 152  
HAMILTON, NJ 08619 (609-587-8200)





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**Appendix F – Groundwater Sampling Purge Logs**

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**LOW FLOW SAMPLING  
DATA SHEET**

SITE:	Former Accutherm Site	CONSULTING FIRM:	The Louis Berger Group
DATE:	6/18/2007	FIELD PERSONNEL:	J. Lacañale, G. Sorkin
WEATHER:	Sunny, 90° F		

MONITOR WELL #:	MW-1	WELL DEPTH:	28.49	SCREENED/OPEN INTERVAL:	10'
WELL PERMIT #:		WELL DIAMETER:	2"		

WATER QUALITY METER & SERIAL No.:	Horiba U-22		
PID BACKGROUND :	0	PUMP INTAKE DEPTH:	25' ft below TOC
PID BENEATH OUTER CAP:	0		
PID BENEATH INNER CAP:	0	DEPTH TO WATER BEFORE PUMP INSTALLATION:	21.8 ft below TOC

TIME	pH (pH units)		SPECIFIC CONDUCTIVITY (Ms/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*		
		NA		NA		NA		NA		NA		NA		
1055	4.79	-4.79	0.23	-0.23	251	-251	5.65	-5.65	332	-332	17.2	-17.18	300	22.05
1100	4.46	0.33	0.25	-0.017	268	-17	8.06	-2.41	196	136	16.7	0.47	300	22
1105	4.43	0.03	0.24	0.005	273	-5	7.36	0.7	131	65	16.5	0.18	300	21.98
1110	4.44	-0.01	0.24	0.005	277	-4	7.84	-0.48	111	20	16.6	-0.07	300	22.01
1115	4.47	-0.03	0.24	0	280	-3	7.89	-0.05	99.7	11.3	16.5	0.06	300	22
1120	4.50	-0.03	0.24	-0.001	283	-3	7.96	-0.07	85.3	14.4	16.6	-0.07	300	22.02
1125	4.56	-0.06	0.24	-0.001	283	0	7.95	0.01	78.9	6.4	16.5	0.09	300	22
1130	4.59	-0.03	0.24	0	283	0	7.98	-0.03	76	2.9	16.5	0.02	300	22.01
		4.59		0.239		283		7.98		76		16.5		
		0		0		0		0		0		0		
		0		0		0		0		0		0		
		0		0		0		0		0		0		
		0		0		0		0		0		0		
		0		0		0		0		0		0		
		0		0		0		0		0		0		

COMMENTS: Sample MW-1 collected at 1135 for TCL VO+10 and PP Metals

**\*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ±0.1 for pH; ±3% for Specific Conductivity and Temperature; ±10 mv for Redox Potential; and ±10% for Dissolved Oxygen and Turbidity**



**LOW FLOW SAMPLING  
DATA SHEET**

SITE: Former Accutherm Site CONSULTING FIRM: The Louis Berger Group  
 DATE: 6/18/2007 FIELD PERSONNEL: J. Lacanlale, G. Sorkin  
 WEATHER: Sunny, 90° F

MONITOR WELL #: MW-2 WELL DEPTH: 28.1  
 WELL PERMIT #: \_\_\_\_\_ WELL DIAMETER: 2" SCREENED/OPEN INTERVAL: 10'

WATER QUALITY METER & SERIAL No.: Horiba U-22  
 PID BACKGROUND : 0 PUMP INTAKE DEPTH: 25' ft below TOC  
 PID BENEATH OUTER CAP: 0  
 PID BENEATH INNER CAP: 0 DEPTH TO WATER BEFORE PUMP INSTALLATION: 22.56 ft below TOC

TIME	pH (pH units)		SPECIFIC CONDUCTIVITY (Ms/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*		
1345	6.93	NA	0.48	NA	49	NA	10.61	NA	999	NA	21.8	NA	150	22.96
1350	6.85	0.08	0.36	0.124	45	4	10.82	-0.21	999	0	19.3	2.53	150	23.11
1355	6.79	0.06	0.47	-0.112	34	11	10.55	0.27	999	0	19.2	0.07	150	23.33
1400	6.77	0.02	0.48	-0.004	33	1	10.32	0.23	999	0	19.2	-0.01	150	23.31
1405	6.74	0.03	0.48	-0.003	22	11	10.47	-0.15	999	0	19.1	0.09	150	23.32
1410	6.75	-0.01	0.48	-0.003	15	7	10.30	0.17	999	0	19.3	-0.18	150	23.36
1415	6.84	-0.09	0.48	0	1	14	10.26	0.04	999	0	19.6	-0.34	150	23.33
1420	6.89	-0.05	0.47	0.007	-9	10	10.08	0.18	999	0	19.2	0.47	150	23.37
1425	6.92	-0.03	0.49	-0.015	-11	2	10.10	-0.02	999	0	19.4	-0.26	150	23.35
1430	6.97	-0.05	0.49	0.002	-23	12	10.29	-0.19	999	0	19.1	0.31	150	23.38
1435	7.04	-0.07	0.50	-0.008	-30	7	10.26	0.03	999	0	19.4	-0.24	150	23.38
1440	7.16	-0.12	0.50	-0.001	-52	22	10.47	-0.21	999	0	20.2	-0.83	150	23.36
		7.16		0.496		-52		10.47		999		20.18		
		0		0		0		0		0		0		
		0		0		0		0		0		0		
		0		0		0		0		0		0		

COMMENTS: High turbidity observed throughout purging duration. Readings out of range.  
 Sample MW-2 collected at 1455 for TCL VO+10 and PP Metals

**\*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ±0.1 for pH; ±3% for Specific Conductivity and Temperature; ±10 mv for Redox Potential; and ±10% for Dissolved Oxygen and Turbidity**

**LOW FLOW SAMPLING  
DATA SHEET**

SITE: Former Accutherm Site CONSULTING FIRM: The Louis Berger Group  
 DATE: 6/18/2007 FIELD PERSONNEL: J. Lacañale, G. Sorkin  
 WEATHER: Sunny, 90° F

MONITOR WELL #: MW-3 WELL DEPTH: 30.32  
 WELL PERMIT #: \_\_\_\_\_ WELL DIAMETER: 2" SCREENED/OPEN INTERVAL: 10'

WATER QUALITY METER & SERIAL No.: Horiba U-22  
 PID BACKGROUND : 0 PUMP INTAKE DEPTH: 26' ft below TOC  
 PID BENEATH OUTER CAP: 0  
 PID BENEATH INNER CAP: 0 DEPTH TO WATER BEFORE PUMP INSTALLATION: 22.54 ft below TOC

TIME	pH (pH units)		SPECIFIC CONDUCTIVITY (Ms/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*		
		NA		NA		NA		NA		NA		NA		
1605	5.86	-5.86	0.30	-0.303	122	-122	9.66	-9.66	-5	5	22.4	-22.38	200	22.7
1610	5.78	0.08	0.29	0.013	142	-20	10.01	-0.35	-5	0	17.5	4.86	200	22.81
1615	5.68	0.1	0.29	0.005	156	-14	10.46	-0.45	-5	0	16.9	0.6	200	22.76
1620	5.57	0.11	0.29	0	168	-12	10.48	-0.02	-5	0	16.5	0.41	200	22.84
1625	5.51	0.06	0.28	0.001	173	-5	10.80	-0.32	-5	0	16.4	0.07	200	22.83
1630	5.45	0.06	0.29	-0.002	179	-6	10.45	0.35	878	-883	16.5	-0.06	200	22.81
1635	5.40	0.05	0.29	0.001	184	-5	10.09	0.36	658	220	16.6	-0.06	200	22.81
1640	5.37	0.03	0.28	0.002	189	-5	10.06	0.03	554	104	16.4	0.21	200	22.8
1645	5.34	0.03	0.29	-0.004	9.53	179.47	493.00	-482.9	192	362	16.7	-0.3	200	22.8
1650	5.34	0	0.29	-0.001	195	-185.5	9.70	483.3	400	-208	16.3	0.33	200	22.8
1655	5.33	0.01	0.29	-0.003	199	-4	10.41	-0.71	322	78	16.4	-0.09	200	22.8
1700	5.32	0.01	0.30	-0.008	200	-1	10.26	0.15	320	2	16.3	0.11	200	22.8
1705	5.33	-0.01	0.30	0	203	-3	9.80	0.46	303	17	16.5	-0.18	200	22.8
		5.33		0.299		203		9.8		303		16.48		
		0		0		0		0		0		0		

COMMENTS: Sample MW-3 collected at 1710 for TCL VO+10 and PP Metals

**\*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ±0.1 for pH; ±3% for Specific Conductivity and Temperature; ±10 mv for Redox Potential; and ±10% for Dissolved Oxygen and Turbidity**

**LOW FLOW SAMPLING  
DATA SHEET**

SITE: Former Accutherm Site CONSULTING FIRM: The Louis Berger Group  
 DATE: 6/19/2007 FIELD PERSONNEL: J. Lacañale, G. Sorkin  
 WEATHER: Sunny, 90° F

MONITOR WELL #: MW-4 WELL DEPTH: 30.33  
 WELL PERMIT #: \_\_\_\_\_ WELL DIAMETER: 2" SCREENED/OPEN INTERVAL: 10'

WATER QUALITY METER & SERIAL No.: Horiba U-22  
 PID BACKGROUND : 0 PUMP INTAKE DEPTH: 27' ft below TOC  
 PID BENEATH OUTER CAP: 0  
 PID BENEATH INNER CAP: 0 DEPTH TO WATER BEFORE PUMP INSTALLATION: 23.97 ft below TOC

TIME	pH (pH units)		SPECIFIC CONDUCTIVITY (Ms/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*		
		NA		NA		NA		NA		NA		NA		
830	4.56	-4.56	0.79	-0.794	237	-237	1.72	-1.72	5	5	15.9	-15.85	400	24.31
835	4.54	0.02	0.77	0.021	253	-16	1.15	0.57	712	-717	15.1	0.76	300	24.35
840	4.57	-0.03	0.77	0.007	261	-8	0.84	0.31	350	362	15.0	0.12	300	24.35
845	4.58	-0.01	0.77	0.001	266	-5	0.74	0.1	144	206	15.0	-0.05	300	24.35
850	4.61	-0.03	0.76	0.003	263	3	0.64	0.1	72	72	15.0	0	300	24.35
855	4.66	-0.05	0.74	0.022	253	10	0.74	-0.1	48.4	23.6	15.0	0.05	300	24.35
900	4.70	-0.04	0.71	0.029	242	11	1.08	-0.34	32.8	15.6	15.0	-0.01	300	24.35
905	4.24	0.46	0.69	0.024	232	10	1.37	-0.29	17.5	15.3	15.0	-0.04	300	24.35
910	4.78	-0.54	0.67	0.016	225	7	1.81	-0.44	11.3	6.2	15.1	-0.05	300	24.35
915	4.81	-0.03	0.65	0.021	223	2	2.17	-0.36	6.5	4.8	15.0	0.03	300	24.35
920	4.84	-0.03	0.64	0.008	221	2	2.34	-0.17	6.3	0.2	15.0	0	300	24.35
925	4.84	0	0.64	0.004	220	1	2.52	-0.18	6.2	0.1	15.1	-0.01	300	24.35
		4.84		0.638		220		2.52		6.2		15.05		
		0		0		0		0		0		0		
		0		0		0		0		0		0		

COMMENTS: Sample MW-4 collected at 930 for TCL VO+10 and PP Metals

**\*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ±0.1 for pH; ±3% for Specific Conductivity and Temperature; ±10 mv for Redox Potential; and ±10% for Dissolved Oxygen and Turbidity**

**LOW FLOW SAMPLING  
DATA SHEET**

SITE: Former Accutherm Site CONSULTING FIRM: The Louis Berger Group  
 DATE: 6/19/2007 FIELD PERSONNEL: J. Lacañale, G. Sorkin  
 WEATHER: Sunny, 90° F

MONITOR WELL #: MW-5 WELL DEPTH: 30.21  
 WELL PERMIT #: \_\_\_\_\_ WELL DIAMETER: 2" SCREENED/OPEN INTERVAL: 10'

WATER QUALITY METER & SERIAL No.: Horiba U-22  
 PID BACKGROUND : 0 PUMP INTAKE DEPTH: 27' ft below TOC  
 PID BENEATH OUTER CAP: 0  
 PID BENEATH INNER CAP: 0 DEPTH TO WATER BEFORE PUMP INSTALLATION: 23.73 ft below TOC

TIME	pH (pH units)		SPECIFIC CONDUCTIVITY (Ms/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*		
		NA		NA		NA		NA		NA		NA		
1005	5.31	-5.31	0.25	-0.251	214	-214	10.03	-10.03	882	-882	17.4	-17.36	200	23.81
1010	5.30	0.01	0.27	-0.019	214	0	10.19	-0.16	611	271	16.3	1.02	200	23.82
1015	5.34	-0.04	0.28	-0.01	211	3	10.17	0.02	460	151	16.2	0.13	200	23.82
1020	5.34	0	0.28	-0.004	208	3	10.07	0.1	342	118	16.1	0.08	200	23.83
1025	5.34	0	0.29	-0.01	207	1	10.04	0.03	274	68	16.2	-0.08	200	23.82
1030	5.35	-0.01	0.30	-0.01	206	1	10.17	-0.13	206	68	16.0	0.25	200	23.82
1035	5.36	-0.01	0.31	-0.007	206	0	10.14	0.03	175	31	15.9	0.02	200	23.82
1040	5.36	0	0.32	-0.007	207	-1	10.12	0.02	150	25	16.0	-0.08	200	23.82
1045	5.37	-0.01	0.32	-0.003	207	0	10.18	-0.06	138	12	16.0	0.04	200	23.82
1050	5.37	0	0.33	-0.008	208	-1	10.14	0.04	130	8	16.0	0.01	200	23.82
		5.37		0.329		208		10.14		130		15.97		
		0		0		0		0		0		0		
		0		0		0		0		0		0		
		0		0		0		0		0		0		
		0		0		0		0		0		0		

COMMENTS: Sample MW-5 collected at 1055 for TCL VO+10 and PP Metals

**\*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ±0.1 for pH; ±3% for Specific Conductivity and Temperature; ±10 mv for Redox Potential; and ±10% for Dissolved Oxygen and Turbidity**

**LOW FLOW SAMPLING  
DATA SHEET**

SHEET \_\_\_ OF \_\_\_

SITE:	Former Accutherm Site	CONSULTING FIRM:	The Louis Berger Group
DATE:	7/31/2007	FIELD PERSONNEL:	R. Malaniak, K. Baltadonis
WEATHER:	Sunny, 90° F		

MONITOR WELL #:	MW-1	WELL DEPTH:	28.49	SCREENED/OPEN INTERVAL:	10'
WELL PERMIT #:		WELL DIAMETER:	2"		

WATER QUALITY METER & SERIAL No.:	Horiba U-22		
PID BACKGROUND :	<1	PUMP INTAKE DEPTH:	25' ft below TOC
PID BENEATH OUTER CAP:	<1		
PID BENEATH INNER CAP:	1.1	DEPTH TO WATER BEFORE PUMP INSTALLATION:	23.3 ft below TOC

TIME	pH (pH units)		SPECIFIC CONDUCTIVITY (Ms/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*		
1143	4.77	NA	0.152	NA	272	NA	6.28	NA	999	NA	19.61	NA	220	23.20
1148	4.53	0.24	0.145	0.007	293	-21	4.71	1.57	324	675	16.95	2.66	220	23.25
1153	4.43	0.1	0.141	0.004	317	-24	4.10	0.61	77.1	246.9	16.66	0.29	220	23.25
1158	4.44	-0.01	0.138	0.003	328	-11	1.21	2.89	0	77.1	16.67	-0.01	220	23.25
1203	4.43	0.01	0.138	0	331	-3	4.22	-3.01	0	0	16.70	-0.03	220	23.25
1208	4.45	-0.02	0.138	0	335	-4	4.18	0.04	0	0	16.60	0.1	220	23.25
1213	4.46	-0.01	0.137	0.001	338	-3	4.05	0.13	0	0	16.63	-0.03	220	23.25

COMMENTS: **Sample @ 1220 Final DTW=23.25'**

ANALYSIS: **TCL VOC+10, PPMETALS**

**\*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ±0.1 for pH; ±3% for Specific Conductivity and Temperature; ±10 mv for Redox Potential; and ±10% for Dissolved Oxygen and Turbidity**

**LOW FLOW SAMPLING  
DATA SHEET**

SITE:	Former Accutherm Site	CONSULTING FIRM:	The Louis Berger Group
DATE:	7/31/2007	FIELD PERSONNEL:	R. Malaniak, K. Baltadonis
WEATHER:	Sunny, 90° F		

MONITOR WELL #:	MW-2	WELL DEPTH:	28.1	
WELL PERMIT #:		WELL DIAMETER:	2"	SCREENED/OPEN INTERVAL:
				10'

WATER QUALITY METER & SERIAL No.:		Horiba U-22	
PID BACKGROUND :	<1	PUMP INTAKE DEPTH:	25' ft below TOC
PID BENEATH OUTER CAP:	<1		
PID BENEATH INNER CAP:	0.9	DEPTH TO WATER BEFORE PUMP INSTALLATION:	24.02 ft below TOC

TIME	pH (pH units)		SPECIFIC CONDUCTIVITY (Ms/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*		
953	6.32	NA	0.458	NA	28	NA	5.38	NA	999	NA	18.7	NA	250	24.85
958	6.31	0.01	0.453	0.005	20	8	5.71	-0.33	999	0	18.8	-0.07	150	25.10
1005	6.28	0.03	0.445	0.008	11	9	4.33	1.38	999	0	19.0	-0.27	150	25.22
1012	6.38	-0.1	0.435	0.01	-1	12	4.08	0.25	999	0	19.4	-0.31	150	25.20
1019	6.48	-0.1	0.427	0.008	-9	8	4.11	-0.03	999	0	19.8	-0.49	150	25.20
1024	6.52	-0.04	0.422	0.005	-10	1	4.16	-0.05	999	0	20.1	-0.27	150	25.20
1029	6.54	-0.02	0.421	0.001	-11	1	4.37	-0.21	999	0	20.3	-0.16	150	25.20
1034	6.56	-0.02	0.414	0.007	-12	1	4.38	-0.01	999	0	20.8	-0.57	150	25.20

COMMENTS: High turbidity observed throughout purging duration. Readings out of range

**Sample @ 1040 Final DTW=25.20**

ANALYSIS: **TCL VOC+10, PPMETALS**

**\*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ±0.1 for pH; ±3% for Specific Conductivity and Temperature; ±10 mv for Redox Potential; and ±10% for Dissolved Oxygen and Turbidity**

**LOW FLOW SAMPLING  
DATA SHEET**

SITE: Former Accutherm Site CONSULTING FIRM: The Louis Berger Group  
 DATE: 7/31/2007 FIELD PERSONNEL: R. Malaniak, K. Baltadonis  
 WEATHER: Sunny, 90° F

MONITOR WELL #: MW-3 WELL DEPTH: 30.32  
 WELL PERMIT #: \_\_\_\_\_ WELL DIAMETER: 2" SCREENED/OPEN INTERVAL: 10'

WATER QUALITY METER & SERIAL No.: Horiba U-22  
 PID BACKGROUND: <1 PUMP INTAKE DEPTH: 27 ft below TOC  
 PID BENEATH OUTER CAP: <1  
 PID BENEATH INNER CAP: 1.2 DEPTH TO WATER BEFORE PUMP INSTALLATION: 23.95 ft below TOC

TIME	pH (pH units)		SPECIFIC CONDUCTIVITY (Ms/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*		
1150	4.89	NA	0.473	NA	236	NA	7.31	NA	999	NA	17.62	NA	340	24.30
1155	4.74	0.15	0.443	0.03	263	-27	4.88	2.43	999	0	15.97	1.65	340	24.40
1200	4.78	-0.04	0.415	0.028	2678	-2415	4.23	0.65	999	0	15.48	0.49	330	24.35
1205	4.79	-0.01	0.399	0.016	273	2405	3.52	0.71	999	0	15.94	-0.46	240	24.30
1210	4.79	0	0.394	0.005	275	-2	3.21	0.31	550	449	15.93	0.01	240	24.30
1215	4.79	0	0.391	0.003	278	-3	3.00	0.21	254	296	15.93	0	240	24.30
1220	4.79	0	0.381	0.01	282	-4	2.73	0.27	105	149	15.70	0.23	240	24.30
1225	4.79	0	0.363	0.018	283	-1	2.54	0.19	58.7	46.3	16.01	-0.31	240	24.30
1230	4.79	0	0.359	0.004	283	0	2.36	0.18	30.0	28.7	15.88	0.13	240	24.30
1235	4.79	0	0.358	0.001	284	-1	2.30	0.06	29.0	1	15.44	0.44	240	24.30
1240	4.79	0	0.358	0	284	0	2.30	0	32.2	-3.2	15.59	-0.15	240	24.30

COMMENTS: **Sample @ 1245 Final DTW=24.30' DUP01 TAKEN ON THIS WELL**

ANALYSIS: **TCL VOC+10, PPMETALS**

**\*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ±0.1 for pH; ±3% for Specific Conductivity and Temperature; ±10 mv for Redox Potential; and ±10% for Dissolved Oxygen and Turbidity**

**LOW FLOW SAMPLING  
DATA SHEET**

SITE:	Former Accutherm Site	CONSULTING FIRM:	The Louis Berger Group
DATE:	7/31/2007	FIELD PERSONNEL:	R. Malaniak, K. Baltadonis
WEATHER:	Sunny, 90° F		

MONITOR WELL #:	MW-4	WELL DEPTH:	30.33	
WELL PERMIT #:		WELL DIAMETER:	2"	SCREENED/OPEN INTERVAL: 10'

WATER QUALITY METER & SERIAL No.:		Horiba U-22	
PID BACKGROUND :	<1	PUMP INTAKE DEPTH:	27.5 ft below TOC
PID BENEATH OUTER CAP:	<1		
PID BENEATH INNER CAP:	2.3	DEPTH TO WATER BEFORE PUMP INSTALLATION:	25.41 ft below TOC

TIME	pH (pH units)		SPECIFIC CONDUCTIVITY (Ms/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*		
1355	4.80	NA	0.508	NA	236	NA	6.11	NA	999	NA	20.71	NA	300	25.51
1400	4.63	0.17	0.495	0.013	274	-38	2.72	3.39	999	0	17.37	3.34	300	25.51
1405	4.62	0.01	0.496	-0.001	316	-42	2.13	0.59	999	0	16.74	0.63	300	25.51
1410	4.63	-0.01	0.492	0.004	337	-21	2.18	-0.05	999	0	16.49	0.25	300	25.51
1415	4.64	-0.01	0.472	0.02	351	-14	2.56	-0.38	999	0	16.47	0.02	300	25.51
1420	4.64	0	0.446	0.026	336	15	2.77	-0.21	811	188	16.45	0.02	300	25.51
1425	4.65	-0.01	0.433	0.013	298	38	2.92	-0.15	675	136	16.48	-0.03	300	25.51
1430	4.68	-0.03	0.411	0.022	272	26	3.27	-0.35	493	182	16.41	0.07	300	25.51
1435	4.72	-0.04	0.398	0.013	254	18	3.60	-0.33	396	97	16.34	0.07	300	25.51
1440	4.74	-0.02	0.392	0.006	248	6	3.64	-0.04	326	70	16.38	-0.04	300	25.51
1445	4.78	-0.04	0.386	0.006	240	8	3.78	-0.14	276	50	16.37	0.01	300	25.51
1450	4.80	-0.02	0.392	-0.006	235	5	3.88	-0.1	233	43	16.48	-0.11	300	25.51
1455	4.83	-0.03	0.379	0.013	230	5	3.96	-0.08	202	31	16.43	0.05	300	25.51
1500	4.86	-0.03	0.379	0	228	2	4.10	-0.14	203	-1	16.47	-0.04	300	25.51
1505	4.88	-0.02	0.375	0.004	224	4	4.26	-0.16	211	-8	16.34	0.13	300	25.51

COMMENTS: **Sample @ 1515 Final DTW=25.51'**

ANALYSIS: **TCL VOC+10, PPMETALS**

**\*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ±0.1 for pH; ±3% for Specific Conductivity and Temperature; ±10 mv for Redox Potential; and ±10% for Dissolved Oxygen and Turbidity**



**LOW FLOW SAMPLING  
DATA SHEET**

SITE: <u>Former Accutherm Site</u>	CONSULTING FIRM: <u>The Louis Berger Group</u>
DATE: <u>7/31/2007</u>	FIELD PERSONNEL: <u>R. Malaniak, K. Baltadonis</u>
WEATHER: <u>Sunny, 90° F</u>	

MONITOR WELL #: <u>MW-5</u>	WELL DEPTH: <u>30.21</u>	SCREENED/OPEN INTERVAL: <u>10'</u>
WELL PERMIT #: _____	WELL DIAMETER: <u>2"</u>	

WATER QUALITY METER & SERIAL No.: <u>Horiba U-22</u>	
PID BACKGROUND: <u>0</u>	PUMP INTAKE DEPTH: <u>28 ft below TOC</u>
PID BENEATH OUTER CAP: <u>0</u>	
PID BENEATH INNER CAP: <u>0</u>	DEPTH TO WATER BEFORE PUMP INSTALLATION: <u>25.1 ft below TOC</u>

TIME	pH (pH units)		SPECIFIC CONDUCTIVITY (Ms/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*	reading	change*		
945	4.30	NA	0.940	NA	241	NA	5.86	NA	999	NA	17.8	NA	330	25.25
950	3.96	0.34	0.920	0.02	277	-36	5.92	-0.06	999	0	18.0	-0.23	280	25.16
955	3.89	0.07	0.900	0.02	306	-29	3.40	2.52	999	0	17.4	0.65	280	25.16
1000	3.92	-0.03	0.635	0.265	317	-11	2.27	1.13	999	0	17.1	0.24	280	25.18
1005	3.97	-0.05	0.635	0	321	-4	2.24	0.03	999	0	17.1	-0.03	280	25.18
1010	4.03	-0.06	0.627	0.008	326	-5	2.14	0.1	896	103	17.0	0.11	280	25.18
1015	4.06	-0.03	0.624	0.003	327	-1	2.14	0	715	181	17.1	-0.05	280	25.18
1020	4.10	-0.04	0.620	0.004	331	-4	2.10	0.04	497	218	16.9	0.16	280	25.18
1025	4.13	-0.03	0.620	0	333	-2	2.10	0	398	99	16.8	0.09	280	25.18
1030	4.08	0.05	0.609	0.011	335	-2	2.16	-0.06	325	73	16.8	0.01	280	25.18
1035	4.17	-0.09	0.614	-0.005	336	-1	2.08	0.08	343	-18	17.0	-0.2	280	25.18
1040	4.18	-0.01	0.615	-0.001	336	0	2.08	0	340	3	16.8	0.18	280	25.18
1045	4.19	-0.01	0.614	0.001	336	0	2.08	0	341	-1	17.0	-0.14	280	25.18

COMMENTS: **Sample @ 1050 Final DTW=25.18**

ANALYSIS: **TCL VOC+10, PPMETALS**

**\*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ±0.1 for pH; ±3% for Specific Conductivity and Temperature; ±10 mv for Redox Potential; and ±10% for Dissolved Oxygen and Turbidity**

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**Appendix G – Well Search**

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# WELL RECORD

Well Permit Number  
**31 61223**

Atlas Sheet Coordinates  
**31 32 783**

OWNER **LOCKEE, LILLIAN**

Address **908 PORCHTOWN RD**  
**FRANKLINVILLE**

City \_\_\_\_\_ State **NJ** Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS **908 PORCHTOWN RD** Owner's Well No. **1**

County **GLOUCESTER** Municipality **FRANKLIN TWP** Lot No. **3** Block No. **3503**

WELL USE **DOMESTIC REPLACEMENT**

DATE WELL STARTED **7 / 18 / 01**  
DATE WELL COMPLETED **7 / 18 / 01**

### WELL CONSTRUCTION

Total Depth Drilled **122** ft.

Finished Well Depth **122** ft.

Borehole Diameter:

Top **8** in.

Bottom **8** in.

Well Casing Begins:

**1** ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+1	112	4	PVC	Sch. 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	112	122	4	PVC	Sch. 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	110	122		#2 sand	
Grout	3.5	110		Neat Cement Bentonite	500 lbs.

### RECORD OF TEST

Test Date **7 / 18 / 01**

Static Water Level **15** ft. below land surface

Water Level Measured Using **lift/pump**

Pumping Water Level **23** ft. below land surface

Well Was Pumped Using **submersible**

Well Yield **20** gpm

If Pump Tested: Discharge Rate \_\_\_\_\_ gpm

Duration of Test **1** hours

Grouting Method **Tremie pipe**  
Drilling Method **mud rotary**

### PERMANENT PUMPING EQUIPMENT

Installed by **R.D. Agostino** Reg. No. **PI0774**

Pump Type **Submersible**

Depth of Pump below land surface **35** ft.

Capacity **10** gpm Horsepower **1/2**

GEOLOGIC LOG	
Note depths where water was encountered in consolidated formations.	
0'-	2' topsoil brown
2'-	12' sandy gravel yellow brown
12'-	14' clay yellow brown
14'-	53' sand coarse to gravel yellow to light brown
53'-	59' clay orange & yellow brown
59'-	76' sand coarse to med. yellow to lt. brown
76'-	102' sand med. to fine yellow to med. brown streaks clay
102'-	112' sand fine to med. grey
112'-	122' sand med. some coarse lt. brownish grey

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company **D'AGOSTINO WELL DRILLING**

Well Driller (Print) **Paul Belan**

Driller's Signature *Paul S. Belan*

Registration No. **1027** Date **7 / 23 / 01**

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "

W

**WELL RECORD**

OWNER ANTHONY & BEATRICE FRABIZIO

Address 1070 PORCHTOWN ROAD

City Franklinville

State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 1070 PORCHTOWN ROAD

Owner's Well No. 1

County Gloucester

Municipality Franklin Twp

Lot No. 16

Block No. 3503

WELL USE Domestic Replacement

DATE WELL STARTED 5/4/04

DATE WELL COMPLETED 5/4/04

**WELL CONSTRUCTION**

Total Depth Drilled 82 ft.

Finished Well Depth 82 ft.

Borehole Diameter:

Top 82 in.

Bottom 82 in.

Well Casing Begins:

1 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+1	75	4	PVC	Sch. 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	75	82	4	PVC	Sch. 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	73	82		#2 sand	
Grout	3.5	73		Neat Cement Bentonite	350 lbs

**RECORD OF TEST**

Test Date 5 / 4 / 04

Static Water Level 17 ft. below land surface

Water Level Measured Using lift/pump

Pumping Water Level 27 ft. below land surface

Well Was Pumped Using Submersible

Well Yield 20 gpm

If Pump Tested Discharge Rate gpm

Duration of Test 1 hours

Grouting Method tremie pipe

Drilling Method mud rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by R.D'Agostino Reg. No. 195455

Pump Type Submersible

Depth of Pump below land surface 37 ft.

Capacity 12 gpm Horsepower 3/4

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company D'AGOSTINO WELL DRILLING

Well Driller (Print) Paul Belan

Driller's Signature

Registration No. 1027

Date 5/7/04

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

- 0'-2' topsoil brown
- 2'-11' gravelly clay orange to yellow brown
- 11'-16' clay yellow brown
- 16'-38' sand med. to coarse yellow brown
- 38'-41' clay yellow brown & white
- 41'-65' sand med. some fine yellow brown
- 65'-73' clay yellow brown to grey
- 73'-82' sand med. yellow to light brown

**AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: EASTING:

OR

LATITUDE: LONGITUDE:

ORIGINAL: DEP

COPIES: DRILLER

OWNER

HEALTH DEPARTMENT

**WELL RECORD**

OWNER GEORGE GOEBEL

Address 950 PORCHTOWN RD.

City Franklinville State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 950 PORCHTOWN RD.

Owner's Well No. 3100068687

County Gloucester Municipality Franklin Twp Lot No. 7 Block No. 3503

WELL USE Domestic Replacement

DATE WELL STARTED 9-30-04

DATE WELL COMPLETED 9-30-04

**WELL CONSTRUCTION**

Total Depth Drilled 110 ft.

Finished Well Depth 110 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>100</u>	<u>4"</u>	<u>PVC</u>	<u>Sch40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>100</u>	<u>110</u>	<u>4"</u>	<u>PVC</u>	<u>Sch40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>100</u>	<u>110</u>	<u>#2 Well Gravel</u>		
Grout	<u>3</u>	<u>100</u>		<u>Neat Cement Bentonite</u>	<u>308 lbs</u>

**RECORD OF TEST**

Test Date 9,30,04

Static Water Level 11 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 11 ft. below land surface

Well Was Pumped Using Air

Well Yield 80 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

Grouting Method pressure grout w/ tremie pipe

Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Lesage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 45 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature George Ely JB

Registration No. JD1485 Date 10/6/04

GEOLOGIC LOG
Note each depth where water was encountered in consolidated formations
<u>0-2 Top Soil</u>
<u>2-14 Orange clay &amp; Gravel</u>
<u>14-32 Coarse white sand</u>
<u>32-48 Medium white sand</u>
<u>48-56 White &amp; yellow clay</u>
<u>56-71 Brown clay</u>
<u>71-98 Coarse yellow sand</u>
<u>98-100 Sand &amp; stone</u>
<u>100-110 Coarse yellow sand</u>

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET
NORTHING: _____ EASTING: _____
OR
LATITUDE: _____ LONGITUDE: _____

CA

**WELL RECORD**

OWNER RICHARD BOYER

Address 1123 PORCHTOWN RD.

City Franklinville State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 1123 PORCHTOWN RD.

Owner's Well No. 3100069053

County Gloucester Municipality Franklin Twp

Lot No. 8 Block No. 3502

WELL USE Domestic Replacement

DATE WELL STARTED 11-26-04

DATE WELL COMPLETED 11-26-04

**WELL CONSTRUCTION**

Total Depth Drilled 80 ft.

Finished Well Depth 80 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>70</u>	<u>4"</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>70</u>	<u>80</u>	<u>4"</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>70</u>	<u>80</u>	<u>#2 Well Gravel</u>		
Grout	<u>3</u>	<u>70</u>		<u>Neat Cement Bentonite</u>	<u>224</u> lbs

**RECORD OF TEST**

Test Date 11-26-04

Static Water Level 14 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 14 ft. below land surface

Well Was Pumped Using AIR

Well Yield 70 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Le Sage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 55 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature George Ely JB

Registration No. ID1485 Date 12/6/04

Grouting Method pressure grout w/ tremie pipe

Drilling Method Rotary

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations.	
<u>0-2</u>	<u>Top Soil</u>
<u>2-9</u>	<u>Coarse Brown sand</u>
<u>9-26</u>	<u>yellow &amp; white clay w/ gravel</u>
<u>26-53</u>	<u>Coarse yellow sand</u>
<u>53-78</u>	<u>Medium yellow sand</u>
<u>78-80</u>	<u>Fine Grey sand</u>

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)	
NJ STATE PLANE COORDINATE IN US SURVEY FEET	
NORTHING: _____	EASTING: _____
OR	
LATITUDE: 0° _____	LONGITUDE: 0° _____

**WELL RECORD**

Well Permit Number  
31 - 56503

Atlas Sheet Coordinates  
31 : 32 : 786

OWNER LOVE, ROBERT  
980 PORCHTOWN ROAD

Address \_\_\_\_\_  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS 980 PORCHTOWN ROAD Owner's Well No. 1  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 9 Block No. 3503

WELL USE DOMESTIC REPLACEMENT DATE WELL STARTED 8 / 2 / 99  
DATE WELL COMPLETED 8 / 2 / 99

**WELL CONSTRUCTION**

Total Depth Drilled 107 ft.  
Finished Well Depth 107 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
1 ft. above grade or  
       ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+1	97	4	PVC	Sch.40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	97	107	4	PVC	Sch.40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	95	107		#2 sand	
Grout	3.5	95		Neat Cement Bentonite	<u>500</u> lbs

**RECORD OF TEST**

Test Date 8 / 2 / 99  
Static Water Level 20 ft. below land surface  
Water Level Measured Using 1 lift/pump  
Pumping Water Level 28 ft. below land surface  
Well Was Pumped Using submersible  
Well Yield 20 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test 1 hours

Grouting Method Tremie pipe  
Drilling Method mud rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by R.D'Agostino Reg. No. PI0774  
Pump Type Submersible  
Depth of Pump below land surface 40 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company D'AGOSTINO WELL DRILLING  
Well Driller (Print) Paul Belan  
Driller's Signature Paul A. Belan  
Registration No. 1027 Date 8 / 11 / 99

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations.	
<u>0'- 2'</u>	<u>topsoil brown</u>
<u>2'- 11'</u>	<u>gravelly clay yellow brown</u>
<u>11'-27'</u>	<u>sand coarse to gravel yellow brown</u>
<u>27'-30'</u>	<u>clay yellow brown ans white</u>
<u>30'- 46'</u>	<u>gravel coarse sand med. to yellow brown</u>
<u>46'- 50'</u>	<u>clay yellow brown</u>
<u>50'- 76'</u>	<u>sand med. to fine yellow brown</u>
<u>76'- 78'</u>	<u>clay grey</u>
<u>78'- 97'</u>	<u>sand fine grey streaks grey clay</u>
<u>97'-107'</u>	<u>sand med. sharp light greyish brown</u>



**WELL RECORD**

Well Permit Number  
**31 61221**

Atlas Sheet Coordinates  
**31 32 786**

OWNER **SCHLACKTA, DAVID**

Address **944 STANTON AVE**  
City **FRANKLINVILLE**

State **NJ**

Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS **944 STANTON AVE**

Owner's Well No. **08332**

County **GLOUCESTER** Municipality **FRANKLIN TWP**

Lot No. **23**

Block No. **1001**

WELL USE **DOMESTIC REPLACEMENT**

DATE WELL STARTED **7/23/01**  
DATE WELL COMPLETED **7/23/01**

**WELL CONSTRUCTION**

Total Depth Drilled **73** ft.

Finished Well Depth **73** ft.

Borehole Diameter: **8 1/2** in.  
Top \_\_\_\_\_ in.  
Bottom **8 1/2** in.

Well Casing Begins: **+1.5** ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<b>11.5</b>	<b>68</b>	<b>4</b>	<b>PVC</b>	<b>R480</b>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <b>.020</b> )	<b>68</b>	<b>73</b>	<b>4</b>	<b>PVC</b>	<b>R480</b>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<b>63</b>	<b>73</b>	<b>8 1/2</b>	<b>more #2</b>	
Grout	<b>0</b>	<b>63</b>	<b>8 1/2</b>	<b>Neat Cement Bentonite</b>	<b>200</b> lbs.

**RECORD OF TEST**

Test Date **7/23/01**  
Static Water Level **7** ft. below land surface  
Water Level Measured Using **m-scope**  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using **air lift**  
Well Yield **100** gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method **pressure**  
Drilling Method **mud rotary**

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

**0-5 sandy yellow clay**  
**5-20 orange clay**  
**20-25 grey clay**  
**22-73 fine to coarse orange sand**

**PERMANENT PUMPING EQUIPMENT**

Installed by **F.C. Capel** Reg. No. **887**  
Pump Type **shallow jet**  
Depth of Pump below land surface \_\_\_\_\_ ft.  
Capacity **5** gpm Horsepower **1/2**

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company **F.C. CAPEL & SON**

Well Driller (Print) **Frederick Capel III**

Driller's Signature **Frederick Capel III**

Registration No. **887** Date **7/24/01**

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_



**WELL RECORD**

OWNER ELMER HAAS

Address 1657 ROUTE 47

City Franklinville

State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 1657 ROUTE 47

Owner's Well No. 3100068035

County Gloucester

Municipality Franklin Twp

Lot No. 3

Block No. 4901

WELL USE Domestic Replacement

DATE WELL STARTED 7-24-04

DATE WELL COMPLETED 7-24-04

**WELL CONSTRUCTION**

Total Depth Drilled 135 ft.

Finished Well Depth 135 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	125	4"	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	125	135	4"	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	125	135	#2	Well Gravel	
Grout	3	125		Neat Cement Bentonite	378 lbs

**RECORD OF TEST**

Test Date 7/24/04

Static Water Level 12 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 12 ft. below land surface

Well Was Pumped Using Air

Well Yield 60 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LaSage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 35 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature George Ely DC

Registration No. JD1485 Date 7/24/04

Grouting Method pressure grout w/ tremie pipe

Drilling Method Rotary

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-2 Top Soil  
2-11 Brown clay & coarse brown sand  
11-19 Coarse Brown Sand  
19-38 Coarse white sand  
38-66 Medium white sand  
66-81 Brown clay  
81-92 Gray clay & fine gray sand  
92-123 Coarse gray sand  
123-131 medium yellow sand  
131-135 Gray & Green clay

**AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR

LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_



**WELL RECORD**

Well Permit Number  
31 - 55995

Atlas Sheet Coordinates  
31 : 32 : 789

OWNER HALL, MICHAEL  
Address 762 PORCHTOWN RD.

City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS 762 PORCHTOWN RD. Owner's Well No. \_\_\_\_\_

County GLOUCESTER Municipality FRANKLIN TWP Lot No. 14 Block No. 4201

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 6/19/99  
DATE WELL COMPLETED 6/19/99

**WELL CONSTRUCTION**

Total Depth Drilled 120 ft.  
Finished Well Depth 120 ft.  
Borehole Diameter: 8 in.  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins: 2 ft. above grade or \_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+2	110	4"	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>.020</u> )	110	120	4"	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	105	115'	8"	#1 Sand	500lbs
Grout	0	105'	8"	Neat Cement Bentonite	500 lbs

**RECORD OF TEST**

Test Date NA  
Static Water Level 12 ft. below land surface  
Water Level Measured Using TAPE  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using NA  
Well Yield \_\_\_\_\_ gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test NA hours

Grouting Method Pressure Tremie  
Drilling Method mud Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by James Esslinger Reg. No. 0832  
Pump Type Submersible  
Depth of Pump below land surface 40 ft.  
Capacity 25 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING  
Well Driller (Print) Joseph Jester  
Driller's Signature Joseph Jester  
Registration No. JD1399 Date 7.14.99

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-18	C-gravels
18-45	cm tan sand
45-70	Light gray silt
70-95	light gray clay
95-120	gray cmf sand

**WELL RECORD**

2

Well Permit Number  
31 61355

Atlas Sheet Coordinates  
31 32 789

OWNER WEIDNER, CRAIG

Address 947 PORCHTOWN RD  
FRANKLINVILLE

City \_\_\_\_\_ State NJ

Zip Code 08322

WELL LOCATION ADDRESS 947 PORCHTOWN RD

Owner's Well No. 3161355

County GLOUCESTER Municipality FRANKLIN TWP Lot No. 14-H Block No. 92

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 10 / 3 / 01  
DATE WELL COMPLETED 10 / 3 / 01

**WELL CONSTRUCTION**

Total Depth Drilled 110 ft.

Finished Well Depth 110 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	100	4	PVC	sch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	100	110	4	PVC	sch40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	100	110	#2	well Gravel	
Grout	3	100		Neat Cement Bentonite	358 lbs.

**RECORD OF TEST**

Test Date 10 / 3 / 01  
Static Water Level 11 ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level 11 ft. below land surface  
Well Was Pumped Using Air  
Well Yield 100 gpm  
If Pump Tested: Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method Pressure Grout w/ 1" nominal Pipe  
Drilling Method Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

0-2 Topsoil  
2-10 Red Clay + Gravel  
6-8 Sandstone  
8-14 Yellow + White Clay  
14-29 Coarse Orange Sand  
29-51 Medium Orange Sand  
01-54 White Clay  
54-77 Coarse Yellow Sand  
77-91 Medium Yellow Sand  
91-110 Coarse Yellow Sand w/  
Traces of Grey Sand

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Hesage Reg. No. 1072  
Pump Type Submersible  
Depth of Pump below land surface 50 ft.  
Capacity 35 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

**ANDERSON'S WELL DRILLING**

Drilling Company \_\_\_\_\_

Well Driller (Print) George Ely

Driller's Signature George Ely BKA

Registration No. J1485 Date 11 / 21 / 01

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

**WELL RECORD**

**OWNER** MICHAEL ABAGNALE

Address 64 SEVENTH ST.

City Franklinville State New Jersey Zip Code 08322

**WELL LOCATION ADDRESS** 64 SEVENTH ST. Owner's Well No. 3100067024

County Gloucester Municipality Franklin Twp Lot No. 23 Block No. 3001

**WELL USE** Domestic Replacement **DATE WELL STARTED** 11-22-03  
**DATE WELL COMPLETED** 11-22-03

**WELL CONSTRUCTION**

Total Depth Drilled 80 ft.  
Finished Well Depth 80 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
1.5 ft. above grade or  
         ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	70	4	PVC	5ch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	70	80	4	PVC	5ch40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	70	80	#2 well gravel		
Grout	3	70		Neat Cement Bentonite	25# lbs

**RECORD OF TEST**

Test Date 11-22-03  
Static Water Level 20 ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level 20 ft. below land surface  
Well Was Pumped Using air  
Well Yield 80 gpm  
If Pump Tested Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method pressure grout w/ tremie pipe  
Drilling Method ROTARY

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 1072  
Pump Type Submersible  
Depth of Pump below land surface 40 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING  
Well Driller (Print) Dan Carter  
Driller's Signature Dan Carter  
Registration No. 1021854 Date 12-8-03

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations	
0-2	Black Sandy Top Soil
2-19	Yellow Coarse Sand
19-29	Yellow Clay
29-35	Tan Coarse sand
35-41	Brown Clay
41-75	Medium Red Yellow Sand
75-80	Medium Fine Red Yellow Sand

Drilled under # 3100068029

New Jersey Department of Environmental Protection  
Bureau of Water Allocation

Well Permit Number

3100068052

**WELL RECORD**

Atlas Sheet Coordinates

3132789

OWNER JOHN WOOTON

Address 2412 DELSEA DRIVE

City Franklinville State New Jersey

Zip Code 08094

WELL LOCATION ADDRESS 2412 DELSEA DRIVE

Owner's Well No. 3100068052

County Gloucester Municipality Franklin Twp Lot No. 10 Block No. 3605

WELL USE Domestic Replacement

DATE WELL STARTED 6-15-04

DATE WELL COMPLETED 6-15-04

**WELL CONSTRUCTION**

Total Depth Drilled 66 ft.

Finished Well Depth 66 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	56	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	56	66	4	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	56	66	#2 well Gravel		
Grout	3	56		Neat Cement Bentonite	185 lbs

**RECORD OF TEST**

Test Date 6-15-04

Static Water Level 10 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 10 ft. below land surface

Well Was Pumped Using Air

Well Yield 30 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 50 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) Dan Carter

Driller's Signature Dan Carter

Registration No. 1021854 Date 6-25-04

Grouting Method pressure grout with cement pipe

Drilling Method ROTARY

GEOLOGIC LOG
Note each depth where water was encountered in consolidated formations
0-2 Black Top Soil
2-19 Yellow coarse sand/stone
19-35 Medium yellow sand
35-47 Brown clay
47-66 medium white sand

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)	
NJ STATE PLANE COORDINATE IN US SURVEY FEET	
NORTHING: _____	EASTING: _____
OR	
LATITUDE: _____	LONGITUDE: _____
0 . "	0 . "

ORIGINAL: DEP

COPIES: DRILLER

OWNER

HEALTH DEPARTMENT

**WELL RECORD**

OWNER STEVE SELTZER

Address 913 CORNWALL TERRACE

City Turnersville

State New Jersey

Zip Code 08012

WELL LOCATION ADDRESS 78 7TH STREET

Owner's Well No. 3100071312

County Gloucester

Municipality Franklin Twp

Lot No. 24

Block No. 3001

WELL USE Domestic Replacement

DATE WELL STARTED 12-27-05

DATE WELL COMPLETED 12-27-05

**WELL CONSTRUCTION**

Total Depth Drilled 75 ft.

Finished Well Depth 75 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	6.5	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	6.5	7.5	4	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	6.5	7.5	#2	Well Gravel	
Grout	3	6.5		Neat Cement Bentonite	196 lbs

**RECORD OF TEST**

Test Date 12-27-05

Static Water Level 9 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 9 ft. below land surface

Well Was Pumped Using AIR

Well Yield 70 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

Grouting Method Pressure grout w/ flexible pipe

Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 30 ft.

Capacity 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature [Signature]

Registration No. TD1485 Date 1/16/06

GEOLOGIC LOG
Note each depth where water was encountered in consolidated formations
<u>0-2 Top Soil</u>
<u>2-4 Tan Clay</u>
<u>4-17 Coarse to Medium White Sand</u>
<u>17-28 Yellow &amp; White Clay</u>
<u>28-51 Coarse Yellow Sand</u>
<u>51-74 Medium Yellow Sand</u>
<u>74-75 Fine Grey Sand</u>

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET
NORTHING: _____ EASTING: _____
OR
LATITUDE: _____ " LONGITUDE: _____ "



**WELL RECORD**

E

Well Permit Number  
**31 62748**

Atlas Sheet Coordinates  
**31 32 791**

OWNER **F C HOLDINGS LLC**

Address **601 W MAIN ST**

City **MALAGA**

State **NJ**

Zip Code

WELL LOCATION ADDRESS **GRAYS FERRY RD**

Owner's Well No.

County **GLOUCESTER** Municipality **FRANKLIN TWP**

Lot No. **4 & 6**

Block No. **3504**

WELL USE **DOMESTIC REPLACEMENT**

DATE WELL STARTED **2 / 13 / 02**  
DATE WELL COMPLETED **2 / 13 / 02**

**WELL CONSTRUCTION**

Total Depth Drilled **100** ft.

Finished Well Depth **100** ft.

Borehole Diameter:  
Top **8** in.  
Bottom **8** in.

Well Casing Begins:  
**+1.5** ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<b>+1.5</b>	<b>80</b>	<b>4</b>	<b>PVC</b>	<b>40</b>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <b>1</b> )	<b>80</b>	<b>90</b>	<b>4</b>	<b>PVC</b>	<b>40</b>
Blank Casings (No. Used )					
Tail Piece	<b>0</b>				
Gravel Pack	<b>90</b>	<b>100</b>	<b>4</b>	<b>#1</b>	<b>800</b>
Grout	<b>75</b>	<b>100</b>	<b>8</b>	Neat Cement Bentonite	<b>350</b> lbs.

**RECORD OF TEST**

Test Date **2 / 13 / 02**  
 Static Water Level **15** ft. below land surface  
 Water Level Measured Using **M-SCOPE**  
 Pumping Water Level **25** ft. below land surface  
 Well Was Pumped Using **Airlift**  
 Well Yield **30** gpm  
 If Pump Tested: Discharge Rate **NA** gpm  
 Duration of Test **NA** hours

Grouting Method **Pressure Tremie**  
 Drilling Method **Mud Rotary**

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

**0-30' Fine Tan Sand**  
**30'-45' MF Tan Sand w/ gravel lenses**  
**45'-75' MF Tan Sand**  
**75'-78' Yellow Tan clay**  
**78'-95' CM Tan Sand**  
**95'-98' Black Clay**  
**98'-100' Gray Sand MC**

**PERMANENT PUMPING EQUIPMENT**

Installed by **Michael Conover** Reg. No. **1555**  
 Pump Type **Submersible**  
 Depth of Pump below land surface **35** ft.  
 Capacity **25** gpm Horsepower **35**

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company **UNI-TECH DRILLING**  
 Well Driller (Print) **Michael Conover**  
 Driller's Signature **Michael Conover**  
 Registration No. **JD1585** Date **2 / 26 / 02**

AS-BUILT WELL LOCATION  
 (NAD 83 HORIZONTAL DATUM)  
 NJ STATE PLANE COORDINATE IN US SURVEY FEET  
 NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
 OR  
 LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "



# WELL RECORD

Well Permit Number  
**31 64300**

Atlas Sheet Coordinates  
**31 32 791**

OWNER NESTORE, DONNA

Address 1020 WILLIAMSTOWN RD

City FRANKLINVILLE

State NJ

Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS 1020 WILLIAMSTOWN RD

Owner's Well No. \_\_\_\_\_

County GLOUCESTER Municipality FRANKLIN TWP

Lot No. 1

Block No. 3505

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 9 / 10 / 02  
DATE WELL COMPLETED 9 / 10 / 02

### WELL CONSTRUCTION

Total Depth Drilled 105 ft.

Finished Well Depth 105 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
1 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>41</u>	<u>95</u>	<u>4"</u>	<u>PVC</u>	<u>SCH 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>95</u>	<u>105</u>	<u>4"</u>	<u>PVC</u>	<u>SCH 40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>95</u>	<u>105</u>	<u>8"</u>	<u>#2 MORIE</u>	
Grout	<u>0</u>	<u>95</u>	<u>8"</u>	<u>Neat Cement Bentonite</u>	<u>400</u> lbs.

### RECORD OF TEST

Test Date 9 / 10 / 02  
Static Water Level 15 ft. below land surface  
Water Level Measured Using M SCORE  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using AIR LIFT  
Well Yield 15 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method PRESSURE  
Drilling Method ROTARY

### PERMANENT PUMPING EQUIPMENT

Installed by M.P. WALKER Reg. No. J1120  
Pump Type SOB  
Depth of Pump below land surface 45 ft.  
Capacity 10 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MICHAEL P. WALKER

Well Driller (Print) SAME

Driller's Signature Michael P. Walker

Registration No. J1120 Date 9 / 30 / 02

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

### GEOLOGIC LOG

Note depths where water was encountered in consolidated formations.

0-1 TOPSOIL  
1-15 YEL SAND  
15-30 YEL CLAY & GRAVEL  
30-52 YEL SAND  
52-70 BLACK CLAY  
70-105 COARSE WHITE SAND

### AS-BUILT WELL LOCATION

(NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

**WELL RECORD**

OWNER ROBERT LOVE

Address 980 PORCHTOWN ROAD

City Franklinville

State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 980 PORCHTOWN ROAD

Owner's Well No. \_\_\_\_\_

County Gloucester

Municipality Franklin Twp

Lot No. 9

Block No. 3503

WELL USE Domestic Replacement

DATE WELL STARTED 8-29-06

DATE WELL COMPLETED 8-29-06

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.

Finished Well Depth 100 ft.

Borehole Diameter:

Top 8 3/4 in.

Bottom 8 3/4 in.

Well Casing Begins:

+2 ft. above grade or

\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>+2</u>	<u>90</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>.020</u> )	<u>90</u>	<u>100</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>85</u>	<u>100</u>		<u>#1 Sand</u>	<u>400</u>
Grout	<u>0</u>	<u>85</u>		<u>Neat Cement Bentonite</u>	<u>350</u> lbs

**RECORD OF TEST**

Test Date 8/29/06

Static Water Level 15 ft. below land surface

Water Level Measured Using tape

Pumping Water Level N/A ft. below land surface

Well Was Pumped Using AIRLIFT

Well Yield 30 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test \_\_\_\_\_ hours

Grouting Method Pressure tremie

Drilling Method mud rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by DAVID CONOVER Reg. No. M1521

Pump Type Submersible

Depth of Pump below land surface 55 ft.

Capacity 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING CO INC

Well Driller (Print) Joseph Jester

Driller's Signature Joseph Jester

Registration No. M1399 Date 9/6/06

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-20' orange tan c MF sand

20-50 tan MF sand

50-61 tan white clay

61-80 tan sand MF clay lenses

80-100 tan MF sand

**AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR

LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_





3

**WELL RECORD**

Well Permit Number

31 59532

Atlas Sheet Coordinates

31 32 792

OWNER GIBERSON, WILLIAM & MARIA

Address 105 FRIES MILL RD

City FRANKLINVILLE

State NJ

Zip Code

WELL LOCATION ADDRESS 105 FRIES MILL RD

Owner's Well No.

County GLoucester

Municipality FRANKLIN TWP

Lot No. 35

Block No. 4001

WELL USE DOMESTIC

DATE WELL STARTED 9 / 6 / 01

DATE WELL COMPLETED 9 / 6 / 01

**WELL CONSTRUCTION**

Total Depth Drilled 85 ft.

Finished Well Depth 85 ft.

Borehole Diameter:

Top 8 in.  
Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	75	4"	PVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	75	85	4"	PVC	SCH 40
Blank Casings (No. Used )					
Tail Piece	75	85	#2 Well Gravel		
Gravel Pack	75	85	#2 Well Gravel		
Grout	3	75		Neat Cement Bentonite	lbs 238 lbs

**RECORD OF TEST**

Test Date 9 / 6 / 01

Static Water Level 22 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 22 ft. below land surface

Well Was Pumped Using Air

Well Yield 60 gpm

If Pump Tested: Discharge Rate N/A gpm

Duration of Test \_\_\_\_\_ hours

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 45 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSON'S WELL DRILLING

Well Driller (Print) Dan Carter

Driller's Signature Dan Carter

Registration No. 21854 Date 10 / 26 / 01

Grouting Method Pressure Grout w/Tremie Pipe

Drilling Method Rotary

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-5 Orange Coarse Sand & Rock  
5-27 Orange Med Sand, Orange Cla  
27-35 Yellow Clay  
35-50 Tan Coarse Sand  
50-80 Yellow Coarse Sand  
80-85 Yellow Medium Sand



**WELL RECORD**

Well Permit Number  
31 58026

OWNER GROCHOWSKI, ED  
Address P.O. BOX 383  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

Atlas Sheet Coordinates  
31 32 793

WELL LOCATION ADDRESS JOSHUA COURT Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 8\_05 Block No. 4001

WELL USE DOMESTIC DATE WELL STARTED 4, 18, 01  
DATE WELL COMPLETED 4, 18, 01

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.  
Finished Well Depth 100 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
2 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>70</u>	<u>90</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>.020</u> )	<u>90</u>	<u>100</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>85</u>	<u>100</u>	<u>8</u>	<u>#1</u>	<u>500 lbs</u>
Grout	<u>0</u>	<u>85</u>	<u>8</u>	<u>Neat Cement Bentonite</u>	<u>300</u> lbs

**RECORD OF TEST**

Test Date 4, 18, 01  
Static Water Level 15' ft. below land surface  
Water Level Measured Using M Scope  
Pumping Water Level 20 ft. below land surface  
Well Was Pumped Using AIRLIFT  
Well Yield 50 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test NA hours

Grouting Method Pressure Tremie  
Drilling Method Mud Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by By Others Reg. No. \_\_\_\_\_  
Pump Type \_\_\_\_\_  
Depth of Pump below land surface \_\_\_\_\_ ft.  
Capacity \_\_\_\_\_ gpm Horsepower \_\_\_\_\_

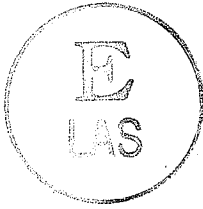
I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING  
Well Driller (Print) Joseph Jester  
Driller's Signature Joseph Jester  
Registration No. M22649 Date 4, 18, 01

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0' - 23' Tan/orange C-M-F sand/gravels  
23' - 51' Tan C-M-F sand  
51' - 59' Tan/white clay  
59' - 80' Tan M-F-C Sand clay streaks  
80' - 100' Tan C-M-F sand



**WELL RECORD**

Well Permit Number  
31 58028

Atlas Sheet Coordinates  
31 32 793

OWNER GROCHOWSKI, ED

Address P.O. BOX 383

City FRANKLINVILLE

State NJ

Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS JOSHUA COURT

Owner's Well No. \_\_\_\_\_

County GLOUCESTER

Municipality FRANKLIN TWP

Lot No. 8.03

Block No. 4001

WELL USE DOMESTIC

DATE WELL STARTED 9/13/00  
DATE WELL COMPLETED 9/13/00

**WELL CONSTRUCTION**

Total Depth Drilled 95 ft.

Finished Well Depth 95 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
+1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+1.5'	85'	4"	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	85'	95'	4"	PVC	Sch 40 #20 slot
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	80	95	8	#1 sand	500 lbs
Grout	0	80		Neat Cement Bentonite	305 lbs

**RECORD OF TEST**

Test Date 9/13/00

Static Water Level 20' ft. below land surface

Water Level Measured Using M-SCOPE

Pumping Water Level 30 ft. below land surface

Well Was Pumped Using Airlift

Well Yield 50 gpm

If Pump Tested: Discharge Rate NA gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Pressure Tremie  
Drilling Method Mud Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by By others Reg. No. \_\_\_\_\_

Pump Type \_\_\_\_\_

Depth of Pump below land surface \_\_\_\_\_ ft.

Capacity \_\_\_\_\_ gpm Horsepower \_\_\_\_\_

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING

Well Driller (Print) Richard Bartholomew

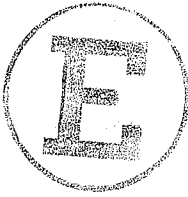
Driller's Signature Richard Bartholomew

Registration No. JD1169 Date 9/15/00

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations.	
<u>0-20'</u>	<u>Sand - stone</u>
<u>20-30</u>	<u>clay</u>
<u>30-38</u>	<u>Sand + stone</u>
<u>38-50</u>	<u>clay</u>
<u>50-66</u>	<u>sand stone</u>
<u>66-80</u>	<u>clay</u>
<u>80-95</u>	<u>sand + stone</u>







**WELL RECORD**

Well Permit Number  
31 80490

Atlas Sheet Coordinates  
31 32 793

OWNER GROCHOWSKI, ED

Address PO BOX 383

City FRANKLINVILLE

State NJ

Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS JOSHUA COURT

Owner's Well No. 8.06 4001

County GLOUCESTER

Municipality FRANKLIN TWP

Lot No. \_\_\_\_\_

Block No. \_\_\_\_\_

WELL USE DOMESTIC

DATE WELL STARTED 8 / 1 / 01  
DATE WELL COMPLETED 8 / 1 / 01

**WELL CONSTRUCTION**

Total Depth Drilled 130 ft.

Finished Well Depth 130 ft.

Borehole Diameter: 8 in.  
Top \_\_\_\_\_ in.  
Bottom 8 in.

Well Casing Begins:  
2.0 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+2	115	4	PVC	40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	115	125	4	PVC	40
Blank Casings (No. Used )					
Tail Piece	125	130	4	PVC	40
Gravel Pack	110	130	8	#1	# 700
Grout	0	110	8	Neat Cement Bentonite	400 lbs.

**RECORD OF TEST**

Test Date 8 / 1 / 01  
Static Water Level 20 ft. below land surface  
Water Level Measured Using M-Scope  
Pumping Water Level 20 ft. below land surface  
Well Was Pumped Using AIRLIFT  
Well Yield 50 gpm  
If Pump Tested: Discharge Rate NA gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Pressure Tremie  
Drilling Method Mud Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

0-12 Orange CMF Sand + Gravel  
12-17 Tan clay  
17-45 Orange CMF sand  
45-62 tan to orange clay  
62-73 White CMF Sand  
73-110 Fine sand w/clay  
110-125 White MF sand  
125-130 Tan to white clay

**PERMANENT PUMPING EQUIPMENT**

Installed by By others Reg. No. \_\_\_\_\_  
Pump Type \_\_\_\_\_  
Depth of Pump below land surface \_\_\_\_\_ ft.  
Capacity \_\_\_\_\_ gpm Horsepower \_\_\_\_\_

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

**UNI-TECH DRILLING**

Drilling Company \_\_\_\_\_

Well Driller (Print) Karl Hitzelberger

Driller's Signature Karl Hitzelberger

Registration No. M1530 Date 8 / 2 / 01

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET  
NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

**WELL RECORD**

Well Permit Number  
31 62900

Atlas Sheet Coordinates  
31 32 793

OWNER MUELLER, ERNEST

Address 472 MARY AVE  
FRANKLINVILLE

City \_\_\_\_\_ State NJ Zip Code 08094

WELL LOCATION ADDRESS 472 MARY AVE Owner's Well No. 31-62900

County GLOUCESTER Municipality FRANKLIN TWP Lot No. 35 Block No. 3905

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 2/7/02  
DATE WELL COMPLETED 3/7/02

**WELL CONSTRUCTION**

Total Depth Drilled 120 ft.

Finished Well Depth 120 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	110	4	PVC	sch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	110	120	4	PVC	sch40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	110	120	#2	Well Gravel	
Grout	3	110		Neat Cement Bentonite	33# lbs.

**RECORD OF TEST**

Test Date 2/7/02  
Static Water Level 12 ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level 12 ft. below land surface  
Well Was Pumped Using all  
Well Yield 110 gpm  
If Pump Tested: Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method Pressure Grout w/ Cement Pipe  
Drilling Method Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

0-2 Topsoil  
2-12 Coarse Brown Sand  
12-22 Coarse White Sand  
22-51 Medium White Sand  
51-58 White Clay  
58-71 Coarse Red Sand  
71-73 Yellow Clay  
73-94 Coarse Yellow Sand  
94-100 Medium Yellow Sand  
100-120 Coarse Yellow Sand

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Hease Reg. No. 1072  
Pump Type Submersible  
Depth of Pump below land surface 50 ft.  
Capacity 72 gpm Horsepower 12

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSON'S WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature George Ely BA

Registration No. 11485 Date 3/20/02

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

**WELL RECORD**

OWNER MARY FIRMAN

Address 399 FRIES MILL ROAD

City Franklinville

State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 399 FRIES MILL ROAD

Owner's Well No. 3100065849

County Gloucester

Municipality Franklin Twp

Lot No. 3

Block No. 4002

WELL USE Domestic Replacement

DATE WELL STARTED 5-13-03

DATE WELL COMPLETED 5-13-03

**WELL CONSTRUCTION**

Total Depth Drilled 85 ft.

Finished Well Depth 85 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

         ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>75</u>	<u>4</u>	<u>PVC</u>	<u>Sch40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>75</u>	<u>85</u>	<u>4</u>	<u>PVC</u>	<u>Sch40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>75</u>	<u>85</u>	<u>#2 Well Gravel</u>		
Grout	<u>3</u>	<u>75</u>		<u>Neat Cement Bentonite</u>	<u>238 lbs</u>

**RECORD OF TEST**

Test Date 5/13/03

Static Water Level 26 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 26 ft. below land surface

Well Was Pumped Using AIR

Well Yield 80 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

Grouting Method pressure grout w/tern pipe

Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 50 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Craig Anderson supervised by

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) Ronald Anderson

Driller's Signature Ronald Anderson

Registration No. 0980 Date 5/16/03

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations	
<u>0-1</u>	<u>Brown Top Soil</u>
<u>1-8</u>	<u>White sand very coarse</u>
<u>8-18</u>	<u>Coarse to medium white sand</u>
<u>18-26</u>	<u>Orange clay</u>
<u>26-40</u>	<u>Orange sand fine</u>
<u>40-60</u>	<u>Orange sand medium</u>
<u>60-68</u>	<u>Yellow clay</u>
<u>68-72</u>	<u>Yellow sand fine</u>
<u>72-85</u>	<u>Yellow sand fine to med. Sand</u>

**WELL RECORD**

OWNER MIKE GORMLY

Address 1291 WILLIAMSTOWN RD.

City Franklinville State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 1291 WILLIAMSTOWN RD.

Owner's Well No. 3100069092

County Gloucester Municipality Franklin Twp

Lot No. 43 Block No. 3905

WELL USE Domestic Replacement

DATE WELL STARTED 12-6-04

DATE WELL COMPLETED 12-6-04

**WELL CONSTRUCTION**

Total Depth Drilled 90 ft.

Finished Well Depth 90 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

         ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	80	4"	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	80	90	4"	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	80	90	#2 Well Gravel		
Grout	3	80		Neat Cement Bentonite	252 lbs

**RECORD OF TEST**

Test Date 12.6.04

Static Water Level 8 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 8 ft. below land surface

Well Was Pumped Using AIR

Well Yield 75 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

Grouting Method pressure grout w/ tremie pipe

Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 50 ft.

Capacity 20 gpm Horsepower 1

*I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.*

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature George Ely-83

Registration No. JD1485 Date 12/13/04

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-2 Top Soil  
2-9 Orange sandy clay  
9-17 Gravel  
17-28 Coarse white sand  
28-36 Medium white sand  
36-52 Tan & white clay  
52-71 Coarse yellow sand  
71-88 Medium yellow sand  
88-90 Fine milky yellow sand

**AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR

LATITUDE: 0' \_\_\_\_\_ " LONGITUDE: 0' \_\_\_\_\_ "

**WELL RECORD**

OWNER DOUGLAS BUILDERS

Address 1045 WILLIAMSTOWN RD.

City Franklinville State New Jersey Zip Code 08322

WELL LOCATION ADDRESS 1260 WILLIAMSTOWN RD. Owner's Well No. 1

County Gloucester Municipality Franklin Twp Lot No. 18 Block No. 4001

WELL USE Domestic DATE WELL STARTED 7/28/05

DATE WELL COMPLETED 7/28/05

**WELL CONSTRUCTION**

Total Depth Drilled 133 ft.

Finished Well Depth 133 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

+1 ft. above grade or

         ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+1	123	4	PVC	Sch. 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	123	133	4	PVC	Sch. 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	121	133		#2 sand	
Grout	3.5	121		Neat Cement Bentonite	600 lbs

**RECORD OF TEST**

Test Date 7 / 28 / 05

Static Water Level 20 ft. below land surface

Water Level Measured Using string/tape

Pumping Water Level 28 ft. below land surface

Well Was Pumped Using submersible

Well Yield 20 gpm

If Pump Tested Discharge Rate          gpm

Duration of Test 1 hours

Grouting Method Tremie pipe

Drilling Method mud rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by J.R.D'Agostino, Jr Reg. No. 24997

Pump Type Submersible

Depth of Pump below land surface 40 ft.

Capacity 10 gpm Horsepower 1/2

*I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.*

Drilling Company D'AGOSTINO'S WATER SOLUTIONS, LLC

Well Driller (Print) Paul Belan

Driller's Signature Paul A. Belan

Registration No. 1027 Date 8/12/05

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations	
<u>0'-2' topsoil brown</u>	
<u>2'-12' gravelly clay yellow brown</u>	
<u>12'-28' sand med. to coarse yellow brown</u>	
<u>28'-43' clay yellow brown</u>	
<u>43'-57' sand coarse yellow brown</u>	
<u>57'-62' clay yellow brown &amp; white</u>	
<u>62'-73' sand coarse to med. orange to yellow brown</u>	
<u>73'-84' sand med a little coarse yellow to brown</u>	
<u>84'-122' sand fine little med. yellow to brown streaks clay</u>	
<b>AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)</b>	
NJ STATE PLANE COORDINATE IN US SURVEY FEET	
NORTHING: <u>        </u>	EASTING: <u>        </u>
OR	
LATITUDE: <u>0</u> ' <u>        </u> "	LONGITUDE: <u>0</u> ' <u>        </u> "

**ORIGINAL: DEP**

**COPIES: DRILLER**

**OWNER HEALTH DEPARTMENT**  
122'-133' sand med. lt to yellow brown

**WELL RECORD**

OWNER JILL & TODD WASHINGTON

Address RT 47 PO BOX 577

City Clayton

State New Jersey

Zip Code 08312

WELL LOCATION ADDRESS RT 47

Owner's Well No. 3100069711

County Gloucester

Municipality Franklin Twp

Lot No. 11

Block No. 4001

WELL USE Domestic Replacement

DATE WELL STARTED 3-24-05

DATE WELL COMPLETED 3-24-05

**WELL CONSTRUCTION**

Total Depth Drilled 90 ft.

Finished Well Depth 90 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>80</u>	<u>4"</u>	<u>PVC</u>	<u>Sch40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>80</u>	<u>90</u>	<u>4"</u>	<u>PVC</u>	<u>Sch40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>80</u>	<u>90</u>	<u>#2 Well Gravel</u>		
Grout	<u>3</u>	<u>80</u>		<u>Neat Cement Bentonite</u>	<u>252 lbs</u>

**RECORD OF TEST**

Test Date 3/24/05

Static Water Level 11 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 11 ft. below land surface

Well Was Pumped Using AIR

Well Yield 80 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 45 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature [Signature]

Registration No. JD1485 Date 4/8/05

Grouting Method pressure grout w/ tremie pipe

Drilling Method Rotary

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations	
<u>0-2</u>	<u>Top Soil</u>
<u>2-9</u>	<u>Tan &amp; white clay w/ Gravel</u>
<u>9-32</u>	<u>Coarse white sand</u>
<u>32-41</u>	<u>Medium white sand</u>
<u>41-46</u>	<u>Brown clay</u>
<u>46-72</u>	<u>Coarse yellow sand</u>
<u>72-90</u>	<u>Medium yellow sand</u>

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)	
NJ STATE PLANE COORDINATE IN US SURVEY FEET	
NORTHING: _____	EASTING: _____
OR	
LATITUDE: _____	LONGITUDE: _____

New Jersey Department of Environmental Protection  
 Bureau of Water Systems and Well Permitting  
**WELL RECORD**

Well Permit Number  
 3100072133  
 Atlas Sheet Coordinates  
 3132793

OWNER WILLIAM THOMAS  
 Address 373 FRIES MILL ROAD  
 City Franklinville State New Jersey Zip Code 08322

WELL LOCATION ADDRESS 373 FRIES MILL ROAD Owner's Well No. \_\_\_\_\_  
 County Gloucester Municipality Franklin Twp Lot No. 1 Block No. 4002

WELL USE Domestic Replacement DATE WELL STARTED 4-24-06  
 DATE WELL COMPLETED 4-24-06

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.  
 Finished Well Depth 100 ft.  
 Borehole Diameter:  
 Top 8 in.  
 Bottom 8 in.  
 Well Casing Begins:  
2 ft. above grade or  
 \_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>+2</u>	<u>90</u>	<u>4</u>	<u>PVC</u>	<u>40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>.010</u> )	<u>90</u>	<u>100</u>	<u>4</u>	<u>PVC</u>	<u>40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>85</u>	<u>100</u>	<u>8</u>	<u>#1 Sand</u>	<u>655</u>
Grout	<u>0</u>	<u>85</u>	<u>8</u>	<u>Neat Cement Bentonite</u>	<u>250</u> lbs

**RECORD OF TEST**

Test Date 4/24/06  
 Static Water Level 19.5 ft. below land surface  
 Water Level Measured Using M-scope  
 Pumping Water Level \_\_\_\_\_ ft. below land surface  
 Well Was Pumped Using Airlift  
 Well Yield 50 gpm  
 If Pump Tested Discharge Rate \_\_\_\_\_ gpm  
 Duration of Test N/A hours

Grouting Method Pressure Tremie  
 Drilling Method Mud Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Karl Hitzelberger Reg. No. M1530  
 Pump Type Submersible  
 Depth of Pump below land surface 55 ft.  
 Capacity 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING CO INC  
 Well Driller (Print) Karl Hitzelberger  
 Driller's Signature Karl Hitzelberger  
 Registration No. M1530 Date 4/24/06

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations	
<u>0-5</u>	<u>Tan CME sand</u>
<u>5-11</u>	<u>Orange silty clay</u>
<u>11-27</u>	<u>White to tan MF sand</u>
<u>27-38</u>	<u>Tan clay w/ some sand</u>
<u>38-73</u>	<u>CME sand w/ lenses of clay</u>
<u>73-100</u>	<u>MF sand, trace clay</u>

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)	
NJ STATE PLANE COORDINATE IN US SURVEY FEET	
NORTHING: _____	EASTING: _____
OR	
LATITUDE: _____ ° ' _____ "	LONGITUDE: _____ ° ' _____ "

**WELL RECORD**

Well Permit Number  
**31 62926**

Atlas Sheet Coordinates  
**31 32 794**

OWNER **CLIFFORD, ERNEST**

Address **89 RT 206**  
City **HAMMONTON** State **NJ** Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS **56 MYRTLE AVE** Owner's Well No. \_\_\_\_\_  
County **GLOUCESTER** Municipality **FRANKLIN TWP** Lot No. **3** Block No. **3504**

WELL USE **DOMESTIC REPLACEMENT** DATE WELL STARTED **4 / 10 / 02**  
DATE WELL COMPLETED **4 / 10 / 02**

**WELL CONSTRUCTION**

Total Depth Drilled **70** ft.

Finished Well Depth **70** ft.

Borehole Diameter: **9** in.  
Top \_\_\_\_\_ in.  
Bottom **9** in.

Well Casing Begins:  
**41** ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<b>41</b>	<b>60</b>	<b>4</b>	<b>PVC</b>	<b>Sch 40</b>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<b>60</b>	<b>70</b>	<b>4</b>	<b>PVC</b>	<b>.012 316F</b>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<b>58</b>	<b>70</b>	<b>4</b>	<b>#1 marine</b>	
Grout	<b>0</b>	<b>58</b>		<b>Neat Cement (Bentonite)</b>	<b>125</b> lbs.

**RECORD OF TEST**

Test Date **4 / 10 / 02**  
Static Water Level **13** ft. below land surface  
Water Level Measured Using **Tape**  
Pumping Water Level **43** ft. below land surface  
Well Was Pumped Using **A/C**  
Well Yield **60+** gpm  
If Pump Tested: Discharge Rate **60+** gpm  
Duration of Test **1** hours

Grouting Method **Tremie**  
Drilling Method **Hand Rotary**

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

**0-1 Sand**  
**1-6 Orange sand**  
**6-25 large orange gravel**  
**25-33 Orange white clay**  
**33-52 Orange fine brown sand**  
**52-70 coarse brown sand**

**PERMANENT PUMPING EQUIPMENT**

Installed by **P. Restuccia** Reg. No. **2421**  
Pump Type **sub**  
Depth of Pump below land surface **40** ft.  
Capacity **12** gpm Horsepower **1/2**

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company **SOUTH JERSEY WELL DRILLING**

Well Driller (Print) **D. Restuccia**

Driller's Signature **Domenico Restuccia**

Registration No. **1233** Date **4 / 11 / 02**

**AS-BUILT WELL LOCATION**  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_





**WELL RECORD**

Well Permit Number

31 61177

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ALAMPI, DIANE

Atlas Sheet Coordinates

31 32 795

OWNER

16 STATION AVE

Address

City FRANKLINVILLE

State NJ

Zip Code 08322

WELL LOCATION ADDRESS

16 STATION AVE

Owner's Well No. 31-61177

County GLOUCESTER

Municipality FRANKLIN TWP

Lot No. 7

Block No. 4103

WELL USE

DOMESTIC REPLACEMENT

DATE WELL STARTED 7/7/01  
DATE WELL COMPLETED 7/7/01

**WELL CONSTRUCTION**

Total Depth Drilled 95 ft.

Finished Well Depth 95 ft.

Borehole Diameter:

Top 8 in.  
Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	85	4	PVC	sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	85	95	4	PVC	sch 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	85	95	#2	well gravel	
Grout	3	85		Neat Cement Bentonite	lbs. 260 lbs.

**RECORD OF TEST**

Test Date 7/7/01

Static Water Level 17 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 17 ft. below land surface

Well Was Pumped Using Air

Well Yield 75 gpm

If Pump Tested: Discharge Rate N/A gpm

Duration of Test N/A hours

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 40 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

ANDERSON'S WELL DRILLING

Drilling Company

Well Driller (Print) George Ely

Driller's Signature George Elyma

Registration No. J1485

Date 10/5/01

Grouting Method Pressure Grout w/ Tremie Pipe  
Drilling Method Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

0-2 Topsoil  
2-14 coarse yellow sand w/ orange clay  
14-32 coarse yellow sand  
32-57 Fine yellow sand  
57-62 coarse yellow sand w/ yellow clay  
62-95 med. yellow sand

**AS-BUILT WELL LOCATION**

(NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

LATITUDE: \_\_\_\_\_ OR \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

**WELL RECORD**

Well Permit Number  
31 - 63562

Atlas Sheet Coordinates  
31 . 32 . 795

OWNER CONSTANTINE, EDWARD & KEL

Address PORCHTOWN-WILLIAMSTOWN RD  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS PORCHTOWN-WILLIAMSTOWN RD Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 9 Block No. 3504

WELL USE DOMESTIC REPLACEMENT DATE WELL STARTED 8 / 2 / 02  
DATE WELL COMPLETED 8 / 2 / 02

**WELL CONSTRUCTION**  
Total Depth Drilled 100 ft.  
Finished Well Depth 100 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
2 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>0</u>	<u>85</u>	<u>4</u>	<u>PVC</u>	<u>40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>.020</u> )	<u>85</u>	<u>95</u>	<u>4</u>	<u>PVC</u>	<u>40</u>
Blank Casings (No. Used _____)					
Tail Piece	<u>95</u>	<u>100</u>	<u>4</u>	<u>PVC</u>	<u>40</u>
Gravel Pack	<u>80</u>	<u>100</u>	<u>8</u>		
Grout	<u>0</u>	<u>80</u>	<u>8</u>	<u>Neat Cement Bentonite</u>	<u>550</u> lbs.

**RECORD OF TEST**  
Test Date 8 / 2 / 02  
Static Water Level 26 ft. below land surface  
Water Level Measured Using M-SCOPE  
Pumping Water Level 30 ft. below land surface  
Well Was Pumped Using AIR LIFT  
Well Yield 50 gpm  
If Pump Tested: Discharge Rate NA gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Pressure Tremie  
Drilling Method Mud Rotary

**PERMANENT PUMPING EQUIPMENT**  
Installed by Karl Hitzelberger Reg. No. 1530  
Pump Type Submersible  
Depth of Pump below land surface 60 ft.  
Capacity 20 gpm Horsepower 1

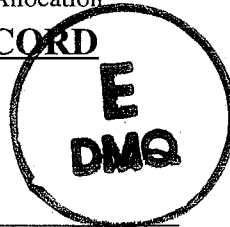
I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING  
Well Driller (Print) Karl Hitzelberger  
Driller's Signature Karl Hitzelberger  
Registration No. M1530 Date 11 / 1 / 02

GEOLOGIC LOG	
Note depths where water was encountered in consolidated formations.	
<u>0-10</u>	<u>Sand &amp; Gravel orange</u>
<u>10-15</u>	<u>Orange clay</u>
<u>15-33</u>	<u>White CMF sand</u>
<u>33-41</u>	<u>Tan clay</u>
<u>41-95</u>	<u>White CMF sand</u>
<u>95-100</u>	<u>clay</u>

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET  
NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

**WELL RECORD**



Well Permit Number  
31 63595

Atlas Sheet Coordinates  
31 32 795

OWNER CERINO, CHARLES  
Address 614 GEORGE STREET  
FRANKLINVILLE State NJ Zip Code \_\_\_\_\_  
City \_\_\_\_\_  
WELL LOCATION ADDRESS 1036 WILLIAMSTOWN ROAD Owner's Well No. \_\_\_\_\_  
GLOUCESTER Municipality FRANKLIN TWP Lot No. 1-C Block No. 97-C  
County \_\_\_\_\_  
WELL USE DOMESTIC REPLACEMENT DATE WELL STARTED 6 / 14 / 02  
DATE WELL COMPLETED 6 / 14 / 02

**WELL CONSTRUCTION**  
Total Depth Drilled 100 ft.  
Finished Well Depth 100 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
2 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>2</u>	<u>90</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>020</u> )	<u>90</u>	<u>100</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>85</u>	<u>100</u>	<u>8</u>	<u>#1</u>	
Grout	<u>0</u>	<u>85</u>	<u>8</u>	<u>Neat Cement Bentonite</u>	<u>250</u> lbs.

**RECORD OF TEST**  
Test Date 6 / 15 / 02  
Static Water Level 14 ft. below land surface  
Water Level Measured Using M-scope  
Pumping Water Level 50 ft. below land surface  
Well Was Pumped Using Airlift  
Well Yield 30 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test NA hours

Grouting Method Pressure Tremie  
Drilling Method Mud Rotary

**PERMANENT PUMPING EQUIPMENT**  
Installed by James Evans Reg. No. M23950  
Pump Type Submersible  
Depth of Pump below land surface 50 ft.  
Capacity 12 gpm Horsepower 1/2

**GEOLOGIC LOG**  
Note depths where water was encountered in consolidated formations.

<u>0-26 Orange CMF sand + gravel</u>
<u>26-85 Orange + Tan MF sand + some clay</u>
<u>85-100 CMF Tan Sand</u>

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING  
Well Driller (Print) James Evans  
Driller's Signature James Evans  
Registration No. 23950 Date 6 / 27 / 02

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET  
NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_



**WELL RECORD**

Well Permit Number  
31 64965

Atlas Sheet Coordinates  
31 32 795

OWNER COAL BUILDERS

Address PO BOX 473

City HAINESPORT

State NJ

Zip Code 08036

WELL LOCATION ADDRESS CROSBY RD

Owner's Well No. 3164965

County GLOUCESTER Municipality FRANKLIN TWP

Lot No. 3

Block No. 4114

WELL USE DOMESTIC

DATE WELL STARTED 05 / 27 / 03  
DATE WELL COMPLETED 05 / 27 / 03

**WELL CONSTRUCTION**

Total Depth Drilled 90 ft.

Finished Well Depth 90 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	80	4"	PVC	SCH40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used _____)	80	90	4"	PVC	SCH40
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	80	90	#2 Well Gravel		
Grout	3	80		Neat Cement Bentonite	252 lbs.

**RECORD OF TEST**

Test Date 05 / 27 / 03

Static Water Level 17 ft. below land surface

Water Level Measured Using tape

Pumping Water Level 17 ft. below land surface

Well Was Pumped Using air

Well Yield 100 gpm

If Pump Tested: Discharge Rate N/A gpm

Duration of Test N/A hours

Grouting Method Pressure grout w/ tremie

Drilling Method Rotary pipe

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

0-2 Topsoil  
2-14 Orange clay & gravel  
14-26 Gravel  
26-41 Coarse white sand  
41-58 Medium white sand  
58-63 Tan & white clay  
63-88 Coarse yellow sand  
88-90 Medium to fine yellow sand & grey clay

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 40 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Henry Brotnitsky supervised by  
Drilling Company ANDERSON'S WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature George Ely

Registration No. JD1485

Date 7 22 03

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR  
LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "

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**WELL RECORD**

Well Permit Number  
31 - 59797

Atlas Sheet Coordinates  
31 : 32 : 796

OWNER JOB, ALFRED  
Address 701 W. RED BANK AVE.  
City WOODBURY State NJ Zip Code 08096

WELL LOCATION ADDRESS PENNSYLVANIA AVE. Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 60 Block No. 1201

WELL USE DOMESTIC DATE WELL STARTED 9/24/01  
DATE WELL COMPLETED 9/24/01

**WELL CONSTRUCTION**

Total Depth Drilled 90 ft.  
Finished Well Depth 90 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
12 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>11.5</u>	<u>80</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	<u>80</u>	<u>90</u>	<u>4</u>	<u>PVC</u>	<u>2015 Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>80</u>	<u>90</u>		<u>#1 GRAVEL</u>	
Grout	<u>4</u>	<u>80</u>		Neat Cement Bentonite	<u>200</u> lbs

**RECORD OF TEST**

Test Date 9/24/01  
Static Water Level 28 ft. below land surface  
Water Level Measured Using TAPE MEASURE  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using AIR LIFT  
Well Yield 75 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method pump & TRIMME PIPE  
Drilling Method MUD ROTARY

**PERMANENT PUMPING EQUIPMENT**

Installed by John TROD Reg. No. PT2361  
Pump Type SUBMERSIBLE  
Depth of Pump below land surface 60 ft.  
Capacity 15 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company AL'S WATER PUMP SERVICE INC  
Well Driller (Print) GEORGE ELY  
Driller's Signature George Ely  
Registration No. SD-1224 Date 9/24/01

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-2 BROWN TOPSOIL  
2-8 YELLOW GRAVEL  
8-14 ORANGE CLAY  
14-19 YELLOW COARSE SAND  
19-23 YELLOW CLAY  
23-38 YELLOW MEDIUM SAND  
38-38 YELLOW CLAY  
38-62 YELLOW MEDIUM SAND  
62-90 YELLOW MEDIUM TO COARSE SAND

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**WELL RECORD**

Well Permit Number

31 -- 62009

Atlas Sheet Coordinates

31 32 796

OWNER PFEIL, DONNA

Address 299 FRIES MILL RD  
FRANKLINVILLE TWP.

City \_\_\_\_\_ State NJ

Zip Code 08322

WELL LOCATION ADDRESS 299 FRIES MILL RD  
GLOUCESTER FRANKLIN TWP

Owner's Well No. 3162009  
23 4001

County \_\_\_\_\_ Municipality \_\_\_\_\_ Lot No. \_\_\_\_\_

Block No. \_\_\_\_\_

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 10 / 10 / 01  
DATE WELL COMPLETED 10 / 10 / 01

**WELL CONSTRUCTION**

Total Depth Drilled 90 ft.  
Finished Well Depth 90 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	80	4	PVC	Sch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	80	90	4	PVC	Sch40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	80	90	#2	well Gravel	
Grout	3	80		Neat Cement Bentonite	52 lbs.

**RECORD OF TEST**

Test Date 10 / 10 / 01  
Static Water Level 11 ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level 11 ft. below land surface  
Well Was Pumped Using air  
Well Yield 85 gpm  
If Pump Tested: Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method Pneumatically Applied Grout  
Drilling Method Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

0-2 Topsoil  
2-12 Coarse Yellow Sand/Orange Clay  
12-29 Coarse Yellow Sand  
29-36 Coarse Red Sand  
36-43 Coarse Yellow Sand  
43-47 White Clay  
47-58 Medium Yellow Sand  
58-61 Yellow Clay  
61-90 Medium Yellow Sand  
Fine Milky Yellow Sand

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Heffner Reg. No. 1072  
Pump Type Submersible  
Depth of Pump below land surface 50 ft.  
Capacity 12 gpm Horsepower 2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

**ANDERSON'S WELL DRILLING**

Drilling Company \_\_\_\_\_

Well Driller (Print) George Fly

Driller's Signature George Fly Bkt

Registration No. J1485 Date 11 / 29 / 01

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

**WELL RECORD**

**OWNER** LINDA ROSENBERG

**Address** 2016 DELSEA DRIVE

**City** Franklinville

**State** New Jersey

**Zip Code** 08322

**WELL LOCATION ADDRESS** 2016 DELSEA DRIVE

**Owner's Well No.** \_\_\_\_\_

**County** Gloucester

**Municipality** Franklin Twp

**Lot No.** 9

**Block No.** 4001

**WELL USE** Domestic Replacement

**DATE WELL STARTED** 10/4/06

**DATE WELL COMPLETED** 10/04/06

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.

Finished Well Depth 100 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

+2 ft. above grade or

\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>12</u>	<u>90</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>.020</u> )	<u>90</u>	<u>100</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>85</u>	<u>100</u>	<u>8</u>	<u>#1</u>	<u>390 lbs</u>
Grout	<u>0</u>	<u>85</u>	<u>8</u>	<u>Neat Cement Bentonite</u>	<u>250 lbs</u>

**RECORD OF TEST**

Test Date 10/4/06

Static Water Level 22 ft. below land surface

Water Level Measured Using M-scope

Pumping Water Level N/A ft. below land surface

Well Was Pumped Using Airlift

Well Yield 40 gpm

If Pump Tested Discharge Rate \_\_\_\_\_ gpm

Duration of Test N/A hours

Grouting Method Pressure Tremie

Drilling Method Mud Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by James Evans Reg. No. M1632

Pump Type Submersible

Depth of Pump below land surface 60 ft.

Capacity 12 gpm Horsepower 1/2

*I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.*

Drilling Company UNI-TECH DRILLING CO INC

Well Driller (Print) James Evans

Driller's Signature James Evans

Registration No. M1632 Date 10/4/06

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-18 CMF Tan Clayey Sand + gravel  
18-31 MF Tan Sand  
31-35 White Clay  
35-56 MF tan sand w/white clay streaks  
56-100 MF Tan Sand

**AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)**

**NJ STATE PLANE COORDINATE IN US SURVEY FEET**

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR

LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "



**WELL RECORD**

Well Permit Number  
**31 61411**

*E*

Atlas Sheet Coordinates  
**31 32 797**

OWNER **HARRISON, JOSHUA**

Address **860 WILLIAMSTOWN ROAD**  
City **FRANKLINVILLE**

State **NJ** Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS **860 WILLIAMSTOWN RD** Owner's Well No. \_\_\_\_\_  
County **GLOUCESTER** Municipality **FRANKLIN TWP** Lot No. **1 & 6** Block No. **4101**

WELL USE **DOMESTIC REPLACEMENT**

DATE WELL STARTED **8 / 11 / 01**  
DATE WELL COMPLETED **8 / 11 / 01**

**WELL CONSTRUCTION**

Total Depth Drilled **95** ft.

Finished Well Depth **95** ft.

Borehole Diameter: **8** in.  
Top \_\_\_\_\_ in.  
Bottom **8** in.

Well Casing Begins:  
**2** ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<b>10</b>	<b>80</b>	<b>4</b>	<b>PVC</b>	<b>40</b>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <b>010</b> )	<b>80</b>	<b>90</b>	<b>4</b>	<b>PVC</b>	<b>40</b>
Blank Casings (No. Used _____)					
Tail Piece	<b>90</b>	<b>95</b>	<b>4</b>	<b>PVC</b>	<b>40</b>
Gravel Pack	<b>75</b>	<b>95</b>	<b>8</b>	<b>#1</b>	<b>#700</b>
Grout	<b>0</b>	<b>75</b>	<b>8</b>	Neat Cement <b>Bentonite</b>	<b>300</b> lbs.

**RECORD OF TEST**

Test Date **8 / 11 / 01**  
Static Water Level **31** ft. below land surface  
Water Level Measured Using **Tape Measure**  
Pumping Water Level **40** ft. below land surface  
Well Was Pumped Using **AirLift**  
Well Yield **50** gpm  
If Pump Tested: Discharge Rate **NA** gpm  
Duration of Test **NA** hours

Grouting Method **Pressure Tremie**  
Drilling Method **Mud Rotary**

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.  
**0-15 Orange sand and gravel.**  
**15-23 orange clay**  
**23-38 Yellow CMF sand**  
**38-42 Yellow clay**  
**42-68 CMF sand w/ clay lenses**  
**68-90 white CMF sand**  
**90-95 Yellow and Black clay**

**PERMANENT PUMPING EQUIPMENT**

Installed by \_\_\_\_\_ Reg. No. \_\_\_\_\_  
Pump Type **submersible**  
Depth of Pump below land surface **60** ft.  
Capacity **20** gpm Horsepower **1**

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

**UNI-TECH DRILLING**

Drilling Company \_\_\_\_\_

Well Driller (Print) **Karl Hitzelberger**

Driller's Signature **Karl Hitzelberger**

Registration No. **M1530** Date **9 / 10 / 01**

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_" LONGITUDE: \_\_\_\_\_"

**WELL RECORD**

Well Permit Number  
31 61619

E

Atlas Sheet Coordinates  
31 32 797

OWNER SLUSARZ, RAYMOND F

Address 881 WILLIAMSTOWN RD  
FRANKLINVILLE

City \_\_\_\_\_ State NJ

Zip Code 08322

WELL LOCATION ADDRESS 881 WILLIAMSTOWN RD  
County GLOUCESTER Municipality FRANKLIN TWP

Owner's Well No. 3161619  
44 Block No. 3503

Lot No. \_\_\_\_\_ Block No. \_\_\_\_\_

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 8 / 28 / 01  
DATE WELL COMPLETED 8 / 28 / 01

**WELL CONSTRUCTION**  
Total Depth Drilled 85 ft.  
Finished Well Depth 85 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>75</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>75</u>	<u>85</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>75</u>	<u>85</u>	<u>#2</u>	<u>Well Gravel</u>	
Grout	<u>3</u>	<u>75</u>		<u>Neat Cement Bentonite</u>	<u>238</u> lbs.

**RECORD OF TEST**

Test Date 8 / 28 / 01  
Static Water Level 12 ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level 12 ft. below land surface  
Well Was Pumped Using Air  
Well Yield 80 gpm  
If Pump Tested: Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method Pressure Grout w/ Tannic Pipe  
Drilling Method Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

0-1 Brown Topsoil  
1-10 Yellow Coarse Sand  
10-18 Red Clay  
18-20 Yellow Coarse Sand  
20-45 Orange Fine to Medium Sand  
45-57 Yellow Clay  
57-69 Yellow Medium Sand  
69-85 Yellow Coarse Sand

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom He Sage Reg. No. 1072  
Pump Type Submersible  
Depth of Pump below land surface 45 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

**ANDERSON'S WELL DRILLING**

Drilling Company \_\_\_\_\_

Well Driller (Print) Dan Carter

Driller's Signature Dan Carter BKA

Registration No. 21854 Date 10 / 29 / 01

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR  
LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "

**WELL RECORD**



Well Permit Number  
31 63878

Atlas Sheet Coordinates  
31 32 797

OWNER FENNIMORE, ALLAN

Address 901 WILLIAMSTOWN RD  
FRANKLINVILLE

City \_\_\_\_\_ State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS 901 WILLIAMSTOWN RD Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 42 Block No. 3503

WELL USE DOMESTIC REPLACEMENT DATE WELL STARTED 7 / 17 / 02  
DATE WELL COMPLETED 7 / 17 / 02

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.

Finished Well Depth 100 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
2 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>12</u>	<u>90</u>	<u>4"</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>000</u> )	<u>90</u>	<u>100</u>	<u>4"</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>85</u>	<u>100</u>	<u>8</u>	<u>#1 Sand</u>	
Grout	<u>0</u>	<u>85</u>	<u>8</u>	<u>Neat Cement Bentonite</u>	<u>308</u> lbs.

**RECORD OF TEST**

Test Date 7 / 17 / 02  
Static Water Level 15 ft. below land surface  
Water Level Measured Using M-SCOPE  
Pumping Water Level 30 ft. below land surface  
Well Was Pumped Using AIRLIFT  
Well Yield 50 gpm  
If Pump Tested: Discharge Rate NA gpm  
Duration of Test NA hours

Grouting Method Pressure Tremie  
Drilling Method MUD Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by DAVID CONOVER Reg. No. M1521  
Pump Type SUBMERSIBLE  
Depth of Pump below land surface 50 ft.  
Capacity 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

**UNI-TECH DRILLING**

Drilling Company \_\_\_\_\_

Well Driller (Print) DAVID CONOVER

Driller's Signature [Signature]

Registration No. M1521 Date 7 / 29 / 02

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

0-10 CMF sand tan transit  
10-46 CMF sand MF gravel  
46-50 tan/white clay  
50-100 CMF sand tan

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

**WELL RECORD**



Well Permit Number  
31 65099

Atlas Sheet Coordinates  
31 32 797

OWNER GIGLIO, DONNA  
Address 2 EDEN RD  
City TURNERSVILLE State NJ Zip Code \_\_\_\_\_  
WELL LOCATION ADDRESS WILLIAMSTOWN RD Owner's Well No. 4107  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 1 Block No. \_\_\_\_\_  
WELL USE DOMESTIC

DATE WELL STARTED 5 / 16 / 03  
DATE WELL COMPLETED 5 / 16 / 03

**WELL CONSTRUCTION**

Total Depth Drilled 140 ft.  
Finished Well Depth 140 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
1 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>41</u>	<u>130</u>	<u>4</u>	<u>PUC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	<u>130</u>	<u>140</u>	<u>4</u>	<u>PUC</u>	<u>Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>125</u>	<u>140</u>		<u>#10/20</u>	<u>400</u>
Grout	<u>4</u>	<u>125</u>		Neat Cement Bentonite	<u>400</u> lbs.

**RECORD OF TEST**

Test Date 5 / 16 / 03  
Static Water Level 8 ft. below land surface  
Water Level Measured Using Steel tape  
Pumping Water Level 25 ft. below land surface  
Well Was Pumped Using Air Lift  
Well Yield 40 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Pressure Tremie Pipe  
Drilling Method Mud Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

0 - 15 Sandstone  
15 - 40 Sand  
40 - 60 Sand & Clay  
60 - 75 Clay  
75 - 95 Fine Sand  
95 - 100 Clay  
100 - 125 Fine Sand & Clay  
125 - 140 Medium Course Gravelly Sand

**PERMANENT PUMPING EQUIPMENT**

Installed by Garrison Reg. No. 11049  
Pump Type Sub  
Depth of Pump below land surface 25 ft.  
Capacity 15 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company HOOVER GARRISON  
Well Driller (Print) Hoover Garrison  
Driller's Signature Hoover Garrison  
Registration No. 11049 Date 5 / 16 / 03

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

**WELL RECORD**

OWNER DONNA GIGLIO

Address 997 WILLIAMSTOWN RD.

City Franklinville State New Jersey Zip Code 08102

WELL LOCATION ADDRESS 997 WILLIAMSTOWN RD. Owner's Well No. \_\_\_\_\_

County Gloucester Municipality Franklin Twp Lot No. 1 Block No. 4107

WELL USE Domestic Replacement

DATE WELL STARTED 10-28-03

DATE WELL COMPLETED 10-28-03

**WELL CONSTRUCTION**

Total Depth Drilled 140 ft.

Finished Well Depth 140 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1 ft. above grade or

\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1</u>	<u>130</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	<u>130</u>	<u>140</u>	<u>4</u>	<u>PVC</u>	<u>.020 Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>125</u>	<u>140</u>		<u>#1 Marine</u>	<u>40</u>
Grout	<u>4</u>	<u>125</u>		Neat Cement Bentonite	<u>400</u> lbs

**RECORD OF TEST**

Test Date 10/28/03

Static Water Level 8 ft. below land surface

Water Level Measured Using Steel Tape

Pumping Water Level 25 ft. below land surface

Well Was Pumped Using Air Lift

Well Yield 40 gpm

If Pump Tested Discharge Rate \_\_\_\_\_ gpm

Duration of Test \_\_\_\_\_ hours

Grouting Method Pressure Tremie Pipe

Drilling Method Mud Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by H Garrison Reg. No. J1049

Pump Type Sub

Depth of Pump below land surface 25 ft.

Capacity 15 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company GARRISON HOOVER

Well Driller (Print) Hoover Garrison

Driller's Signature Hoover Garrison

Registration No. J1049 Date 11/7/03

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0 - 15 Sand + Stone  
15 - 40 Sand  
40 - 60 Sand + Clay  
60 - 75 Clay  
75 - 95 Fine Sand  
95 - 100 Clay  
100 - 125 Fine Sand + Clay  
125 - 140 Med Coarse Orange Sand

**WELL RECORD**

OWNER ED GROCHOWSKI

Address PO BOX 383

City Franklinville State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS JOSHUA COURT Owner's Well No. 3100069527

County Gloucester Municipality Franklin Twp Lot No. 8.04 Block No. 4001

WELL USE Domestic

DATE WELL STARTED 4-1-05

DATE WELL COMPLETED 4-1-05

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.  
Finished Well Depth 100 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>90</u>	<u>4"</u>	<u>PVC</u>	<u>Sch40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>90</u>	<u>100</u>	<u>4"</u>	<u>PVC</u>	<u>Sch40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>90</u>	<u>100</u>	<u>#2 Well Gravel</u>		
Grout	<u>3</u>	<u>90</u>		<u>Neat Cement Bentonite</u>	<u>280</u> lbs

**RECORD OF TEST**

Test Date 4.1.05  
Static Water Level 14 ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level 14 ft. below land surface  
Well Was Pumped Using AIR  
Well Yield 100 gpm  
If Pump Tested Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method pressure grout w/ tremie pipe  
Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Lesage Reg. No. 1072  
Pump Type Submersible  
Depth of Pump below land surface 45 ft.  
Capacity 20 gpm Horsepower 1

GEOLOGIC LOG
Note each depth where water was encountered in consolidated formations
<u>0-2 Top Soil</u>
<u>2-11 Orange Clay &amp; Gravel</u>
<u>11-17 Gravel</u>
<u>17-36 Coarse White Sand</u>
<u>36-49 Medium to Fine White Sand</u>
<u>49-68 White &amp; Yellow clay</u>
<u>68-91 Coarse Yellow Sand</u>
<u>91-96 Medium Yellow Sand</u>
<u>96-100 Fine Yellow Sand w/ trace of Grey Sand</u>

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING  
Well Driller (Print) George Ely  
Driller's Signature George Ely  
Registration No. JD1485 Date 4.9.05

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET
NORTHING: _____ EASTING: _____
OR
LATITUDE: _____ " LONGITUDE: _____ "

**WELL RECORD**

OWNER ED GROCHOWSKI

Address PO BOX 383

City Franklinville

State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS JOSHUA COURT

Owner's Well No. 3100069528

County Gloucester

Municipality Franklin Twp

Lot No. 8.02 Block No. 4001

WELL USE Domestic

DATE WELL STARTED 4-1-05

DATE WELL COMPLETED 4-1-05

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.

Finished Well Depth 100 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>90</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>90</u>	<u>100</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>90</u>	<u>100</u>	<u>#2 Well Gravel</u>		
Grout	<u>3</u>	<u>90</u>		<u>Neat Cement Bentonite</u>	<u>250</u> lbs

**RECORD OF TEST**

Test Date 4/1/05

Static Water Level 14 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 14 ft. below land surface

Well Was Pumped Using AIR

Well Yield 600 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

Grouting Method pressure grout with min pipe

Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 45 ft.

Capacity 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature George Ely

Registration No. JD1485 Date 4/13/05

GEOLOGIC LOG
Note each depth where water was encountered in consolidated formations
<u>0-2 Top Soil</u>
<u>2-11 Orange Clay &amp; Gravel</u>
<u>11-17 Gravel</u>
<u>17-36 Coarse White Sand</u>
<u>36-49 Medium to Fine White Sand</u>
<u>49-68 White &amp; Yellow clay</u>
<u>68-91 Coarse Yellow Sand</u>
<u>91-96 Medium Yellow Sand</u>
<u>96-100 Fine Yellow Sand w/trace of Grey Sand</u>

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET
NORTHING: _____ EASTING: _____
OR
LATITUDE: _____ LONGITUDE: _____

SA

**WELL RECORD**

Well Permit Number

31 56675

Atlas Sheet Coordinates

31 32 798

**OWNER**

MERLO, MARLIND

Address 2223 GRANT AVENUE

City WILLIAMSTOWN State NJ Zip Code

WELL LOCATION ADDRESS 29 STATION AVENUE Owner's Well No. 2

County GLOUCESTER Municipality FRANKLIN TWP Lot No. 7 Block No. 4106

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 8/23/99  
DATE WELL COMPLETED 8/23/99

**WELL CONSTRUCTION**

Total Depth Drilled 105 ft.

Finished Well Depth 100 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
1 ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+1	90	4	PVC	40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	90	100	4	PVC 020	40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	80	100		1	
Grout	0	80		Neat Cement Bentonite	200 lbs

**RECORD OF TEST**

Test Date 8/23/99  
Static Water Level 14 ft. below land surface  
Water Level Measured Using M-Scope  
Pumping Water Level 17 ft. below land surface  
Well Was Pumped Using sub  
Well Yield 10 gpm  
If Pump Tested: Discharge Rate 10 gpm  
Duration of Test 1.5 hours

Grouting Method Tenuic  
Drilling Method Mud Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by By others Reg. No.  
Pump Type sub  
Depth of Pump below land surface 50 ft.  
Capacity 10 gpm Horsepower 1.5

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company EASTERN DRILLING - CHARLES KRAMER  
Well Driller (Print) Charles Kramer  
Driller's Signature Charles Kramer  
Registration No. 1060 Date 9/20/99

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-1 Top Soil  
1-22 fine sand  
22-27 white clay  
27-105 Med Yellow Sand



**WELL RECORD**



Well Permit Number  
31 64716

Atlas Sheet Coordinates  
31 32 798

OWNER PAGLIARINE, LENA

Address 36 STATION AVE.

City FRANKLINVILLE

State NJ

Zip Code 08322

WELL LOCATION ADDRESS 36 STATION AVE.

Owner's Well No. 3104716

County GLOUCESTER Municipality FRANKLIN TWP

Lot No. 1 Block No. 4103

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 11/11/02  
DATE WELL COMPLETED 11/11/02

WELL CONSTRUCTION  
Total Depth Drilled 80 ft.

Finished Well Depth 80 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
1.5 ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	70	4	PVC	5ch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	70	80	4	PVC	5ch40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	70	80	#2 Well Gravel		
Grout	3	70		Neat Cement Bentonite	224 lbs.

**RECORD OF TEST**

Test Date 11/11/02  
Static Water Level 14 ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level 14 ft. below land surface  
Well Was Pumped Using AIR  
Well Yield 90 gpm  
If Pump Tested: Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method Pressure Grout w/ Tremie Pipe  
Drilling Method Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.  
0-2 Top Soil  
2-7 Yellow & Red Clay w/ Gravel  
7-21 Coarse White Sand w/ Yellow clay  
21-40 Coarse White Sand  
40-46 Brown Clay  
46-79 Coarse Yellow Sand  
79-80 Fine Yellow Sand

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Le Sage Reg. No. 1072  
Pump Type Submersible  
Depth of Pump below land surface 45 ft.  
Capacity 1/2 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSON'S WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature George Ely JB

Registration No. 51485 Date 11/25/02

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

**WELL RECORD**

OWNER STEPHEN A. GREGORY

Address 515 LAKEVIEW AVE.

City Pitman

State New Jersey

Zip Code 08071

WELL LOCATION ADDRESS 120 WADDELL AVENUE

Owner's Well No.

County Gloucester

Municipality Franklin Twp

Lot No. 9

Block No. 4116

WELL USE Domestic Replacement

DATE WELL STARTED 8/11/04

DATE WELL COMPLETED 8/11/04

**WELL CONSTRUCTION**

Total Depth Drilled 115 ft.

Finished Well Depth 115 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>+1</u>	<u>105</u>	<u>4"</u>	<u>PVC</u>	<u>40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>105</u>	<u>115</u>	<u>4"</u>	<u>PVC</u>	<u>40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>100</u>	<u>115</u>		<u>#1 MORTAR</u>	
Grout	<u>3'</u>	<u>100</u>		<u>Neat Cement Bentonite</u>	<u>500</u> lbs

**RECORD OF TEST**

Test Date 8/11/04

Static Water Level 25 ft. below land surface

Water Level Measured Using M-SCOPE

Pumping Water Level 80 ft. below land surface

Well Was Pumped Using AIR

Well Yield 40 gpm

If Pump Tested Discharge Rate \_\_\_\_\_ gpm

Duration of Test 2 hours

Grouting Method PRESSURE GROUT

Drilling Method MUD ROTARY

**PERMANENT PUMPING EQUIPMENT**

Installed by JOSEPH D. BORRELL Reg. No. JD 1590

Pump Type SUBMERSIBLE

Depth of Pump below land surface 70 ft.

Capacity 10 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MIDDLETOWN WELL DRILLING

Well Driller (Print) JOSEPH D. BORRELL

Driller's Signature Joseph D. Borrell

Registration No. JD1590 Date 10/25/04

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-20 TAN BRN SILTY SAND  
20-30 WHT/BRN F-M SAND  
30-70 TAN/WHT SILTY CLAY  
70-90 BRN FINE SAND with some clay  
90-115 TAN BRN FINE SAND

**AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR

LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "

**WELL RECORD**

OWNER NANCY BEDARD

Address 892 WILLIAMSTOWN ROAD

City Franklinville

State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 892 WILLIAMSTOWN ROAD

Owner's Well No. \_\_\_\_\_

County Gloucester

Municipality Franklin Twp

Lot No. 1

Block No. 4102

WELL USE Domestic Replacement

DATE WELL STARTED 9/8/05

DATE WELL COMPLETED 9/8/05

**WELL CONSTRUCTION**

Total Depth Drilled 75 ft.

Finished Well Depth 75 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1 1/2 ft. above grade or

\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>105</u>	<u>65</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	<u>65</u>	<u>75</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>65</u>	<u>75</u>		<u>#16 gravel</u>	
Grout	<u>3</u>	<u>65</u>		<u>Neat Cement Bentonite</u>	<u>150</u> lbs

**RECORD OF TEST**

Test Date 9/8/05

Static Water Level 31 ft. below land surface

Water Level Measured Using tape measure

Pumping Water Level \_\_\_\_\_ ft. below land surface

Well Was Pumped Using air lift

Well Yield 30+ gpm

If Pump Tested Discharge Rate \_\_\_\_\_ gpm

Duration of Test \_\_\_\_\_ hours

**PERMANENT PUMPING EQUIPMENT**

Installed by John Timo Reg. No. PI0342

Pump Type submersible

Depth of Pump below land surface 50 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company AL'S WATER PUMP SERVICE

Well Driller (Print) Domenick Restuccia

Driller's Signature Domenick Restuccia

Registration No. JD1233 Date 9/16/05

Grouting Method Pump + Tremie Pipe

Drilling Method Mud Rotary

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-20 orange clay & yellow sand mixed  
20-40 solid gray clay  
40-50 coarse red sand & limestone  
50-60 solid white clay & fine white sand mixed  
60-75 coarse reddish brown sand

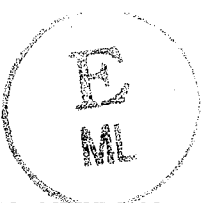
**AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR

LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "



**WELL RECORD**

OWNER JAMES NEWMAN

Address 26 STATION AVE.

City Franklinville

State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 26 STATION AVE.

Owner's Well No. 3100071069

County Gloucester

Municipality Franklin Twp

Lot No. 8

Block No. 41.03

WELL USE Domestic Replacement

DATE WELL STARTED 10-26-05

DATE WELL COMPLETED 10-26-05

**WELL CONSTRUCTION**

Total Depth Drilled 85 ft.

Finished Well Depth 85 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	72	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	72	82	4	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece	82	85			
Gravel Pack	72	85		#2 Well Gravel	
Grout	4	72		Neat Cement Bentonite	238 lbs

**RECORD OF TEST**

Test Date 10 26 05

Static Water Level 11 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 11 ft. below land surface

Well Was Pumped Using AIR

Well Yield 600 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Ledage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 50 ft.

Capacity 1/2 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature [Signature]

Registration No. JD1485 Date 11 25 05

Grouting Method Pressure grout w/ trench pipe

Drilling Method Rotary

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations	
0-2	Top Soil
2-11	Orange clay & Gravel
11-28	Coarse white sand
28-37	Yellow & white clay
37-58	Coarse yellow sand
58-69	Orange & white clay
69-82	Coarse yellow sand
82-85	Grey & Brown clay

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)	
NJ STATE PLANE COORDINATE IN US SURVEY FEET	
NORTHING: _____	EASTING: _____
OR	
LATITUDE: _____ ° ' "	LONGITUDE: _____ ° ' "

Well Location  
 Moved  
 Drilled under # 31000 71069  
 OWNER JAMES NEWMAN

New Jersey Department of Environmental Protection  
 Bureau of Water Allocation

Well Permit Number  
 3100071438

**WELL RECORD**

Atlas Sheet Coordinates  
 3132798

Address 26 STATION AVE.

City Franklinville State New Jersey Zip Code 08322

WELL LOCATION ADDRESS 26 STATION AVE. Owner's Well No. 3100071438

County Gloucester Municipality Franklin Twp Lot No. 8 Block No. 41.03

WELL USE Domestic Replacement DATE WELL STARTED 10-26-05  
 DATE WELL COMPLETED 10-26-05

**WELL CONSTRUCTION**

Total Depth Drilled 85 ft.  
 Finished Well Depth 85 ft.  
 Borehole Diameter:  
 Top 8 in.  
 Bottom 8 in.

Well Casing Begins:  
 1.5 ft. above grade or  
 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	7.2	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	7.2	8.2	4	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece	8.2	8.5			
Gravel Pack	7.2	8.5	#2 Well Gravel		
Grout	4	7.2		Neat Cement Bentonite	338 lbs

**RECORD OF TEST**

Test Date 10/26/05  
 Static Water Level 11 ft. below land surface  
 Water Level Measured Using Tape  
 Pumping Water Level 11 ft. below land surface  
 Well Was Pumped Using AIR  
 Well Yield 600 gpm  
 If Pump Tested Discharge Rate N/A gpm  
 Duration of Test N/A hours

Grouting Method pressure grout w/ tremie pipe  
 Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 107.2  
 Pump Type Submersible  
 Depth of Pump below land surface 50 ft.  
 Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING  
 Well Driller (Print) George Ely  
 Driller's Signature [Signature]  
 Registration No. JD1485 Date 1/6/06

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-2	Top Soil
2-11	Orange Clay & Gravel
11-28	Coarse White Sand
28-37	Yellow & White Clay
37-58	Coarse Yellow Sand
58-69	Orange & White Clay
69-82	Coarse Yellow Sand
82-85	Grey & Brown Clay

**AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR

LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

SA

New Jersey Department of Environmental Protection  
Bureau of Water Systems and Well Permitting

Well Permit Number  
3100072498

**WELL RECORD**

Atlas Sheet Coordinates  
3132798

OWNER JANET PRIEST

Address 103 TRIUMPH ROAD

City Franklinville

State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 103 TRIUMPH ROAD

Owner's Well No. 3100072498

County Gloucester

Municipality Franklin Twp

Lot No. 3 Block No. 4103

WELL USE Domestic Replacement

DATE WELL STARTED 7-3-06

DATE WELL COMPLETED 7-3-06

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.

Finished Well Depth 100 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	90	4	PVC	Sch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	90	100	4	PVC	Sch40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	90	100	#2 Well	Gravel	
Grout	3	90		Neat Cement Bentonite	280 lbs

**RECORD OF TEST**

Test Date 7.3.06

Static Water Level 11 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 11 ft. below land surface

Well Was Pumped Using AIR

Well Yield 70 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

Grouting Method pressure grout w/ tremie pipe

Drilling Method rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 45 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature George Ely

Registration No. JD1485 Date 8/8/06

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-2 Top Soil  
2-10 Orange sandy clay  
10-19 coarse tan sand & gravel  
19-28 yellow & white clay  
28-50 coarse white sand  
50-63 medium white sand  
63-81 brown clay  
81-100 coarse yellow sand

**AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR

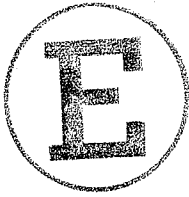
LATITUDE: 0' \_\_\_\_\_ " LONGITUDE: 0' \_\_\_\_\_ "

ORIGINAL: DEP

COPIES: DRILLER

OWNER

HEALTH DEPARTMENT



**WELL RECORD**

Well Permit Number

31 --60532

Atlas Sheet Coordinates

31: 32 : 799

TRUSTER, JOANN

OWNER \_\_\_\_\_

Address 54 DUTCHROW ROAD

City MONROEVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS 2417 DELSEA DRIVE Owner's Well No. \_\_\_\_\_

County GLOUCESTER Municipality FRANKLIN TWP Lot No. 9 Block No. 3507

WELL USE INDUSTRIAL

DATE WELL STARTED 7 / 14 / 01  
DATE WELL COMPLETED 7 / 14 / 01

**WELL CONSTRUCTION**  
Total Depth Drilled 75 ft.  
Finished Well Depth 70 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
2.0' ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>+</u>	<u>60</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>010</u> )	<u>60</u>	<u>70</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>55</u>	<u>75</u>	<u>8</u>	<u>#1</u>	<u>#700</u>
Grout	<u>0</u>	<u>55</u>	<u>8</u>	<u>Neat Cement Bentonite</u>	<u>300 lbs.</u>

**RECORD OF TEST**

Test Date 7 / 14 / 01  
Static Water Level 20 ft. below land surface  
Water Level Measured Using 30M-SCOPE  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using Airlift  
Well Yield 50 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Pressure Tremie  
Drilling Method Mud Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

0-15' Orange CMF Sand & Gravel  
15-25 Tan clay  
25-36 White CMF sand  
36-55 Black silty clay  
55-70 Gray MF Sand  
70-75 Black Silty clay

**PERMANENT PUMPING EQUIPMENT**

Installed by By others Reg. No. \_\_\_\_\_  
Pump Type \_\_\_\_\_  
Depth of Pump below land surface \_\_\_\_\_ ft.  
Capacity \_\_\_\_\_ gpm Horsepower \_\_\_\_\_

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

**UNI-TECH DRILLING**

Drilling Company \_\_\_\_\_  
Well Driller (Print) Karl Hitzelberger  
Driller's Signature Karl Hitzelberger  
Registration No. M1530 Date 7 / 16 / 01

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET  
NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "

**WELL RECORD**

Well Permit Number  
31 62815

Atlas Sheet Coordinates  
31 32 799

E

OWNER BRUCE MANTON CONSTRUCTORS

Address 650 LANTERN WAY  
City FRANKLINVILLE State NJ

Zip Code 08022

WELL LOCATION ADDRESS DELSEA DRIVE  
County GLOUCESTER Municipality FRANKLIN TWP

Owner's Well No. 31-62815  
5 4001

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 3 / 8 / 02  
DATE WELL COMPLETED 3 / 8 / 02

**WELL CONSTRUCTION**

Total Depth Drilled 80 ft.

Finished Well Depth 80 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
1.5 ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	70	4	PVC	Sch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	70	80	4	PVC	Sch40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	70	80	#2	well screened	
Grout	3	70		Neat Cement Bentonite	337 lbs.

**RECORD OF TEST**

Test Date 3 / 8 / 02  
Static Water Level 13 ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level 13 ft. below land surface  
Well Was Pumped Using air  
Well Yield 100 gpm  
If Pump Tested: Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method Pressure Grout / Grout Pipe  
Drilling Method Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.  
0-2 Topsoil  
2-18 Coarse Red Sand + Orange Clay  
18-26 Coarse White Sand  
26-37 Yellow + White Clay  
37-49 Medium Yellow Sand  
49-80 Coarse Yellow Sand

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Hesse Reg. No. 1072  
Pump Type Submersible  
Depth of Pump below land surface 50 1/2 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

**ANDERSON'S WELL DRILLING**

Drilling Company \_\_\_\_\_

Well Driller (Print) George Ely

Driller's Signature George Ely BA

Registration No. J1485 Date 3 / 21 / 02

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_



**WELL RECORD**



Well Permit Number  
**31 65063**

Atlas Sheet Coordinates  
**31 32 877**

OWNER **WATSON, DIANE**

Address **2573 DELSEA DR**

City **FRANKLINVILLE**

State **NJ**

Zip Code **08322**

WELL LOCATION ADDRESS **2573 DELSEA DR**

Owner's Well No. \_\_\_\_\_

County **GLOUCESTER** Municipality **FRANKLIN TWP**

Lot No. **12**

Block No. **3609**

WELL USE **DOMESTIC REPLACEMENT**

DATE WELL STARTED **3/19/03**  
DATE WELL COMPLETED **3/19/03**

**WELL CONSTRUCTION**

Total Depth Drilled **102** ft.

Finished Well Depth **102** ft.

Borehole Diameter:  
Top **8** in.  
Bottom **8** in.

Well Casing Begins:  
**1.5** ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	92	4	PVC	Sch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	92	102	4	PVC	Sch40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	92	102	#2 Well Gravel		
Grout	3	92		Neat Cement Bentonite	280 lbs.

**RECORD OF TEST**

Test Date **3/19/03**  
Static Water Level \_\_\_\_\_ ft. below land surface  
Water Level Measured Using **TAPE**  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using **AIR**  
Well Yield **110** gpm  
If Pump Tested: Discharge Rate **N/A** gpm  
Duration of Test **N/A** hours

Grouting Method **Pressure grout w/ tremie pipe**  
Drilling Method **TOTARY**

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.  
**0-2 Top Soil**  
**2-6 Orange Clay w/ coarse yellow sand**  
**6-19 Coarse white sand**  
**19-28 Medium white sand**  
**28-31 Orange clay**  
**31-43 Coarse yellow sand**  
**43-61 Medium yellow sand**  
**61-78 Fine milky yellow sand**  
**78-93 Coarse yellow sand**  
**93-102 Medium yellow sand**

**PERMANENT PUMPING EQUIPMENT**

Installed by **Tom Lesage** Reg. No. **1072**  
Pump Type **Submersible**  
Depth of Pump below land surface **40** ft.  
Capacity **12** gpm Horsepower **1/2**

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company **ANDERSON'S WELL DRILLING**  
**Craig Anderson supervised**

Well Driller (Print) **By George Ely**

Driller's Signature **George Ely RB**

Registration No. **J1485** Date **3/26/03**

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "

RB



**WELL RECORD**

Well Permit Number  
**31 59936**

Atlas Sheet Coordinates  
**31 42 123**

OWNER **BURGER, DEBORAH J.**  
Address **578 TAYLOR ROAD**  
City **FRANKLIN TWP.** State **NJ** Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS **578 TAYLOR ROAD** Owner's Well No. **#1 3311**  
County **GLOUCESTER** Municipality **FRANKLIN TWP** Lot No. \_\_\_\_\_ Block No. \_\_\_\_\_

WELL USE **DOMESTIC REPLACEMENT** DATE WELL STARTED **1/27/01**  
DATE WELL COMPLETED **1/27/01**

**WELL CONSTRUCTION**

Total Depth Drilled **83** ft.  
Finished Well Depth **82** ft.  
Borehole Diameter:  
Top **8** in.  
Bottom **8** in.  
Well Casing Begins:  
**1.5** ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<b>+1.5</b>	<b>67</b>	<b>4</b>	<b>PVC</b>	<b>Sch 40</b>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <b>.020</b> )	<b>67</b>	<b>82</b>	<b>4</b>	<b>PVC</b>	<b>Sch 40</b>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<b>64</b>	<b>83</b>		<b>#0</b>	
Grout	<b>4</b>	<b>64</b>		<b>Neat Cement Bentonite</b>	<b>160</b> lbs

**RECORD OF TEST**

Test Date **1/27/01**  
Static Water Level **15.35** ft. below land surface  
Water Level Measured Using **M-SCOPE**  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using **AIRLIFT**  
Well Yield **50** gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method **Tremie**  
Drilling Method **Mud Rotary**

**PERMANENT PUMPING EQUIPMENT**

Installed by **Steve Burger** Reg. No. \_\_\_\_\_  
Pump Type **Submersible**  
Depth of Pump below land surface **45** ft.  
Capacity **12** gpm Horsepower **1/2**

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company **JAMES C. ANDERSON ASSOC. INC.**  
Well Driller (Print) **Steve Burger**  
Driller's Signature **Steve Burger**  
Registration No. **J1624** Date **2/6/01**

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

<b>0-10'</b>	<b>GRAY-BROWN F-M SAND</b>
<b>10'-33'</b>	<b>LT. BROWN-TAN F-M SAND, SOME COURSE SAND &amp; GRAVELS</b>
<b>33'-36'</b>	<b>LT. TAN SILTY CLAY</b>
<b>36'-68'</b>	<b>LT. TAN M-F SAND w/ TAN - white silty clay</b>
<b>68'-83'</b>	<b>LT. TAN &amp; LT. GRAY-WHITE M-F SAND</b>



### WELL RECORD

Well Permit Number

31 60035

Atlas Sheet Coordinates

31 42 123

OWNER KANE, JOE

Address 55 4TH STREET

City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS 689 WILLIAMSTOWN ROAD Owner's Well No. 1

County GLOUCESTER Municipality FRANKLIN TWP Lot No. 25 Block No. 4201

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 3 / 14 / 01  
DATE WELL COMPLETED 3 / 14 / 01

#### WELL CONSTRUCTION

Total Depth Drilled 102 ft.

Finished Well Depth 102 ft.

Borehole Diameter:

Top 8 in.  
Bottom 8 in.

Well Casing Begins:

+1 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+1	92	4	PVC	Sch. 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	92	102	4	PVC	Sch. 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	90	102		#2 sand	
Grout	3.5	90		Neat Cement Bentonite	_____ lbs <u>500</u> lbs

#### RECORD OF TEST

Test Date 3 / 14 / 01

Static Water Level 5 ft. below land surface

Water Level Measured Using lift/pump

Pumping Water Level 13 ft. below land surface

Well Was Pumped Using Submersible

Well Yield 20 gpm

If Pump Tested: Discharge Rate \_\_\_\_\_ gpm

Duration of Test 1 hours

Grouting Method Tremie pipe

Drilling Method mud rotary

#### PERMANENT PUMPING EQUIPMENT

Installed by J.R. D'Agostino Reg. No. PI0017017

Pump Type Submersible

Depth of Pump below land surface 25 ft.

Capacity 10 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company D'AGOSTINO WELL DRILLING

Well Driller (Print) Paul Belan

Driller's Signature Paul Belan

Registration No. 1027 Date 3 / 15 / 01

#### GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

- 0'- 2'topsoil brown
- 2'- 9'sand med. brown to lt. brown
- 9'- 20'sand coarse to gravel, yellow brown
- 20'- 30'gravel & stones yellow to orange brown
- 30'- 38'gravel coarse sand yellow to light brown
- 38'- 42'clay yellow to med. brown
- 42'- 54'sand coarse light brown
- 54'- 61'clay dark brown to grey
- 61'- 79'sand coarse to med., greyish brown
- 79'- 82'clay & wood grey & black
- 82'- 92'sand fine to med. grey
- 92'-102'sand med. med. to light grey

**WELL RECORD**

Well Permit Number

31 62240

Atlas Sheet Coordinates

31 42 123

*E*

OWNER HOGAN, JAMES

Address 24 PORCHTOWN ROAD

City FRANKLINVILLE

State NJ

Zip Code 08332

WELL LOCATION ADDRESS 24 PORCHTOWN ROAD

Owner's Well No. 3162240

County GLOUCESTER Municipality FRANKLIN TWP

Lot No. 1

Block No. 3406

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 12/27/01  
DATE WELL COMPLETED 12/27/01

**WELL CONSTRUCTION**

Total Depth Drilled 70 ft.

Finished Well Depth 70 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
1.5 ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	60	4	PVC	sch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	60	70	4	PVC	sch40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	60	70	#2	well 6	
Grout	3	60		Neat Cement Bentonite	196 lbs.

**RECORD OF TEST**

Test Date 12/27/01  
 Static Water Level 9 ft. below land surface  
 Water Level Measured Using Tape  
 Pumping Water Level \_\_\_\_\_ ft. below land surface  
 Well Was Pumped Using air  
 Well Yield 100 gpm  
 If Pump Tested: Discharge Rate N/A gpm  
 Duration of Test N/A hours

Grouting Method Pressure Grout with Cement Pipe  
 Drilling Method Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

0-2 Topsoil  
2-18 coarse yellow sand  
18-24 coarse white sand  
24-28 gray clay  
28-38 coarse brown sand  
38-43 gray clay  
43-70 coarse gray sand

**PERMANENT PUMPING EQUIPMENT**

Installed by Dmhegac Reg. No. 1072  
 Pump Type Submersible  
 Depth of Pump below land surface 35 ft.  
 Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSON'S WELL DRILLING

Well Driller (Print) George Ely  
 Driller's Signature George Ely

Registration No. J1485 Date 12/31/01

AS-BUILT WELL LOCATION  
 (NAD 83 HORIZONTAL DATUM)  
 NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
 OR  
 LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

**WELL RECORD**

Well Permit Number  
31 64198

Atlas Sheet Coordinates  
31 42 123

OWNER ABAGNALE, TOM & TRACY

Address 729 PORCHTOWN RD  
FRANKLINVILLE State NJ

Zip Code 08322

WELL LOCATION ADDRESS 729 PORCHTOWN RD  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 1

Owner's Well No. 31 64198  
Block No. 3403

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 8/27/02  
DATE WELL COMPLETED 8/27/02

**WELL CONSTRUCTION**

Total Depth Drilled 110 ft.

Finished Well Depth 110 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
1.5 ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>100</u>	<u>4</u>	<u>PVC</u>	<u>Sch40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>100</u>	<u>110</u>	<u>4</u>	<u>PVC</u>	<u>Sch40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>100</u>	<u>110</u>	<u>#2</u>	<u>Well Gravel</u>	
Grout	<u>3</u>	<u>100</u>		<u>Neat Cement Bentonite</u>	<u>308</u> lbs.

**RECORD OF TEST**

Test Date 8/27/02  
Static Water Level 6 ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level 6 ft. below land surface  
Well Was Pumped Using AIR  
Well Yield 100 gpm  
If Pump Tested: Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method Pressure Grout w/ Tremie Pipe  
Drilling Method Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.  
0-2 Top Soil  
2-12 Coarse white sand  
12-17 Sandstone  
17-30 Coarse yellow sand  
30-37 Medium yellow sand  
37-62 Med to Fine grey sand  
62-67 Brown clay  
67-72 Med grey sand w/ grey clay  
72-98 Coarse grey sand  
98-103 Med grey sand  
103-110 Grey & green clay

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Lesage Reg. No. 1072  
Pump Type submersible  
Depth of Pump below land surface 35 1/2 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSON'S WELL DRILLING  
Well Driller (Print) George Ely  
Driller's Signature George Ely JB  
Registration No. J1485 Date 9/3/02

WATER UTILIZATION  
PURPOSE

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET  
NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

**WELL RECORD**

OWNER RON HESS

Address 1116A PORCHTOWN RD

City Franklinville State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 45 CLUBHOUSE DR

3100065979  
Owner's Well No.

County Gloucester Municipality Franklin Twp

Lot No. 4 & 5 Block No. 3408

WELL USE Domestic Replacement

DATE WELL STARTED 07/08/03

DATE WELL COMPLETED 07/08/03

**WELL CONSTRUCTION**

Total Depth Drilled 80 ft.

Finished Well Depth 80 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	70	4"	PVC	SCH40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	70	80	4"	PVC	SCH40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	70	80	#2 well gravel		
Grout	3	70		Neat Cement Bentonite	224 lbs

**RECORD OF TEST**

Test Date 07/08/03

Static Water Level 18 ft. below land surface

Water Level Measured Using tape

Pumping Water Level 18 ft. below land surface

Well Was Pumped Using air

Well Yield 100 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 30 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Craig Anderson supervised by  
Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature George Ely

Registration No. JD1485 Date 7/8/03

Grouting Method Pressure grout w/ tremie

Drilling Method Rotary pipe

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-2 Topsoil  
2-13 Gravel  
13-28 Coarse yellow sand  
28-33 Medium yellow sand  
33-46 Grey & brown clay  
46-53 Coarse grey sand  
53-74 Coarse grey & yellow sand  
74-80 Grey & green clay

**WELL RECORD**

OWNER JAN JOHNSTON

Address 26 CLUB HOUSE DRIVE

City Franklinville

State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 26 CLUB HOUSE DRIVE

Owner's Well No. 3100071251

County Gloucester

Municipality Franklin Twp

Lot No. 6

Block No. 3407

WELL USE Domestic Replacement

DATE WELL STARTED 3-22-06

DATE WELL COMPLETED 3-22-06

**WELL CONSTRUCTION**

Total Depth Drilled 65 ft.

Finished Well Depth 65 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	54	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	54	64	4	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece	64	65			
Gravel Pack	54	65	#2 Well Gravel		
Grout	3	54		Neat Cement Bentonite	182 lbs

**RECORD OF TEST**

Test Date 3/22/06

Static Water Level 6 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 6 ft. below land surface

Well Was Pumped Using Air

Well Yield 70 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

Grouting Method Pressure grout w/ trench pipe

Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Le Sage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 35 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature George Ely

Registration No. JD1485C Date 5/2/06

GEOLOGIC LOG
Note each depth where water was encountered in consolidated formations
0-2 Top Soil
2-7 Coarse Brown sand
7-14 Coarse white sand w/ white clay
14-21 Yellow clay
21-32 Coarse Yellow sand
32-49 Grey & Brown clay
49-61 Coarse white & Grey sand
61-64 Medium white & Grey sand
64-65 Grey clay

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET
NORTHING: _____ EASTING: _____
OR
LATITUDE: _____ LONGITUDE: _____

**WELL RECORD**

OWNER JOSEPH KANE

Address 55 4TH STREET

City Franklinville State New Jersey Zip Code 08322

WELL LOCATION ADDRESS 46 3RD STREET Owner's Well No. \_\_\_\_\_

County Gloucester Municipality Franklin Twp Lot No. 5 Block No. 3404

WELL USE Domestic Replacement DATE WELL STARTED 2/3/06  
DATE WELL COMPLETED 2/3/06

**WELL CONSTRUCTION**

Total Depth Drilled 95 ft.

Finished Well Depth 95 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

+1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>85</u>	<u>4</u>	<u>PVC</u>	<u>SCH40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or (Screen) (No. Used <u>.020</u> )	<u>85</u>	<u>95</u>	<u>4</u>	<u>PVC</u>	<u>SCH40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>80</u>	<u>95</u>	<u>8</u>	<u>#1 SAND</u>	<u>500 lbs</u>
Grout	<u>0</u>	<u>80</u>	<u>8</u>	<u>Neat Cement Bentonite</u>	<u>234 lbs</u>

**RECORD OF TEST**

Test Date 2/3/06

Static Water Level 6 ft. below land surface

Water Level Measured Using M-SCOPE

Pumping Water Level \_\_\_\_\_ ft. below land surface

Well Was Pumped Using airlift

Well Yield 35 gpm

If Pump Tested Discharge Rate \_\_\_\_\_ gpm

Duration of Test \_\_\_\_\_ hours

**PERMANENT PUMPING EQUIPMENT**

Installed by John Boesly Jr Reg. No. JB195453

Pump Type submersible

Depth of Pump below land surface 26 ft.

Capacity 10 gpm Horsepower 1/2

*I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.*

Drilling Company CHOICE WATER GROUP, LLC

Well Driller (Print) John Boesly Jr

Driller's Signature [Signature]

Registration No. JB195453 Date 2/20/06

Grouting Method Tremmie

Drilling Method Rotary

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations	
<u>0'-22'</u>	<u>Sand + Gravel</u>
<u>22'-28'</u>	<u>Sand + Clay</u>
<u>28'-54'</u>	<u>Clay</u>
<u>54'-68'</u>	<u>Sand + Gravel</u>
<u>68'-72'</u>	<u>Clay</u>
<u>72'-95'</u>	<u>Coarse Sand</u>

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)	
NJ STATE PLANE COORDINATE IN US SURVEY FEET	
NORTHING: _____	EASTING: _____
OR	
LATITUDE: _____	LONGITUDE: _____



New Jersey Department of Environmental Protection  
Bureau of Water Systems and Well Permitting

Well Permit Number

3100071984

**WELL RECORD**

Atlas Sheet Coordinates

3142123

OWNER ROBERT CRESS

Address 629 PORCHTOWN ROAD

City Franklinville State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 629 PORCHTOWN ROAD

Owner's Well No. \_\_\_\_\_

County Gloucester Municipality Franklin Twp Lot No. 1 Block No. 3407

WELL USE Domestic Replacement

DATE WELL STARTED 4-20-06

DATE WELL COMPLETED 4-20-06

**WELL CONSTRUCTION**

Total Depth Drilled 115 ft.

Finished Well Depth 115 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

+ 1 ft. above grade or

\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+1.5	105	4	PVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	105	115	4	PVC	SCH 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	103	115		#2 sand	
Grout	3.5	103		Neat Cement Bentonite	550 lbs

**RECORD OF TEST**

Test Date 4 / 21 / 06

Static Water Level 8 ft. below land surface

Water Level Measured Using Tape/String

Pumping Water Level 16 ft. below land surface

Well Was Pumped Using Submersible

Well Yield 20 gpm

If Pump Tested Discharge Rate \_\_\_\_\_ gpm

Duration of Test 1 hours

Grouting Method Tremie Pipe

Drilling Method Mud Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by J.D'Agostino, Jr. Reg. No. 24997

Pump Type Submersible

Depth of Pump below land surface 28 ft.

Capacity 10 gpm Horsepower 1/2

*I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.*

Drilling Company D'AGOSTINO'S WATER SOLUTIONS, LLC

Well Driller (Print) Paul Belan

Driller's Signature *Paul A. Belan*

Registration No. 1027 Date 5 / 15 / 06

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0'-2' Topsoil brown  
 2'-6' gravel & sand yellow brown  
 6'-8' clay & yellow brown  
 8'-22' sand coarse yellow brown  
 22'-35' clay grey  
 35'-43' sand med to coarse grey to lt grey  
 43'-85' sand med some fine grey streaks grey clay  
 85'-95' clay grey  
 95'-105' sand med sharp grey 3' streaks wood  
 105'-115' sand med sharp med to light grey

**AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR

LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "

ORIGINAL: DEP

COPIES: DRILLER

OWNER

HEALTH DEPARTMENT

**WELL RECORD**

OWNER PAUL & LINDA SPELLACY

Address 21 FIFTH ST.

City Franklinville State New Jersey

Zip Code 08322  
3100074134

WELL LOCATION ADDRESS 21 FIFTH ST. Owner's Well No. \_\_\_\_\_

County Gloucester Municipality Franklin Twp Lot No. 3 Block No. 3403

WELL USE Domestic Replacement DATE WELL STARTED 5-2-07  
DATE WELL COMPLETED 5-2-07

**WELL CONSTRUCTION**

Total Depth Drilled 75 ft.  
Finished Well Depth 75 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>65</u>	<u>4</u>	<u>PVC</u>	<u>Sch40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>65</u>	<u>75</u>	<u>4</u>	<u>PVC</u>	<u>Sch40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>65</u>	<u>75</u>	<u>#2 Well Gravel</u>		
Grout	<u>3</u>	<u>65</u>		<u>Neat Cement Bentonite</u>	<u>210 lbs</u>

**RECORD OF TEST**

Test Date 5.2.07  
Static Water Level 10 ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level 10 ft. below land surface  
Well Was Pumped Using AIR  
Well Yield 80 gpm  
If Pump Tested Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method pressure grout w/ tremie pipe  
Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Le Sage Reg. No. 1072  
Pump Type Submersible  
Depth of Pump below land surface 35 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING  
Well Driller (Print) Daniel A. Carter  
Driller's Signature Daniel A. Carter  
Registration No. J1021854 Date 5/9/07

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-2 Black Sandy top Soil  
2-12 Tan Coarse sand & Stone  
12-18 Yellow Clay  
18-30 Yellow medium Sand  
30-42 Grey Clay  
42-75 Grey White Deep coarse Sand

**RECEIVED**  
MAY 15 2007  
AS-BUILT WELL LOCATION  
GLOUCESTER COUNTY HEALTH DEPT.  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: 0' \_\_\_\_\_ " LONGITUDE: 0' \_\_\_\_\_ "

EA



**WELL RECORD**

Well Permit Number  
31 - 55250

Atlas Sheet Coordinates  
31 : 42 : 131

OWNER GRUCHOWSKI, TONY  
Address PO BOX 7  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS LEONARD CAKE ROAD Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 14 Block No. 4202

WELL USE DOMESTIC REPLACEMENT DATE WELL STARTED 1/29/99  
DATE WELL COMPLETED 1/29/99

**WELL CONSTRUCTION**

Total Depth Drilled 125 ft.  
Finished Well Depth 125 ft.  
Borehole Diameter: 8 in.  
Top \_\_\_\_\_ in.  
Bottom 8 in.  
Well Casing Begins:  
+1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>115</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	<u>115</u>	<u>125</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used <u>  </u> )					
Tail Piece					
Gravel Pack	<u>110</u>	<u>125</u>	<u>8</u>	<u>#1 Moire</u>	
Grout	<u>0</u>	<u>110</u>		Neat Cement Bentonite	<u>500</u> lbs

**RECORD OF TEST**

Test Date NA  
Static Water Level 8 ft. below land surface  
Water Level Measured Using tape  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using NA  
Well Yield NA gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test NA hours

Grouting Method Pressure Tremie  
Drilling Method MUD Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by George Edwards Reg. No. 13760  
Pump Type Submersible  
Depth of Pump below land surface 30 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING  
Well Driller (Print) Edward Angelo  
Driller's Signature Edward Angelo  
Registration No. JD1452 Date 2/5/99

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations.	
<u>0-6</u>	<u>C-gravel</u>
<u>6-32</u>	<u>C-m tan sand</u>
<u>32-38</u>	<u>tan clay</u>
<u>38-76</u>	<u>cm sand tan</u>
<u>76-93</u>	<u>gray clay</u>
<u>93-125</u>	<u>gray C-m sand</u>



**WELL RECORD**

Well Permit Number

31 60617

Atlas Sheet Coordinates

31 : 42 : 131

OWNER KANE, HARRY

Address 195 LEONARD CAKE RD

City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS 195 LEONARD CAKE RD Owner's Well No. \_\_\_\_\_

County GLOUCESTER Municipality FRANKLIN TWP Lot No. 00022 Block No. 04203

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 5 / 14 / 01  
DATE WELL COMPLETED 5 / 14 / 01

**WELL CONSTRUCTION**

Total Depth Drilled 140 ft.

Finished Well Depth 140 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
2 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>+2</u>	<u>125</u>	<u>4</u>	<u>PVC</u>	<u>40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>.020</u> )	<u>125</u>	<u>135</u>	<u>4</u>	<u>PVC</u>	<u>40</u>
Blank Casings (No. Used _____)					
Tail Piece	<u>135</u>	<u>140</u>	<u>4</u>	<u>PVC</u>	<u>40</u>
Gravel Pack	<u>120</u>	<u>140</u>	<u>8</u>	<u>#1</u>	<u>800#</u>
Grout	<u>0</u>	<u>120</u>	<u>8</u>	Neat Cement Bentonite	<u>400</u> lbs.

**RECORD OF TEST**

Test Date 5 / 14 / 01  
Static Water Level 24 ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using Airlift  
Well Yield 50 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test NA hours

Grouting Method Pressure Tremie  
Drilling Method Mud Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.  
0-10 Sand + Gravel  
10-20 Orange tan clay  
20-50 CMF sands white  
50-60 Tan clay  
60-70 CMF Sand  
70-120 Intermitting sand & clay lenses  
120-125 Gray clay  
125-135 MF white sand  
135-140 Black Clay

**PERMANENT PUMPING EQUIPMENT**

Installed by Karl Hitzelberger Reg. No. M1530  
Pump Type Submersible  
Depth of Pump below land surface \_\_\_\_\_ ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

**UNI-TECH DRILLING**

Drilling Company \_\_\_\_\_

Well Driller (Print) Karl Hitzelberger

Driller's Signature Karl Hitzelberger

Registration No. M1530 Date 5 / 25 / 01

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

LATITUDE: \_\_\_\_\_ OR \_\_\_\_\_ LONGITUDE: \_\_\_\_\_

# WELL RECORD

*E*

Well Permit Number  
**31 60110**

Atlas Sheet Coordinates  
**31 42 131**

OWNER **FRANK, LINDA**

Address **660 WILLIAMSTOWN RD**  
City **FRANKLINVILLE** State **NJ** Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS **660 WILLIAMSTOWN RD** Owner's Well No. \_\_\_\_\_  
County **GLOUCESTER** Municipality **FRANKLIN TWP** Lot No. **1** Block No. **4202**

WELL USE **DOMESTIC REPLACEMENT** DATE WELL STARTED **2 / 27 / 01**  
DATE WELL COMPLETED **2 / 27 / 01**

### WELL CONSTRUCTION

Total Depth Drilled **68** ft.

Finished Well Depth **68** ft.

Borehole Diameter:  
Top **8** in.  
Bottom **8** in.

Well Casing Begins:  
**1.5** ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	58	4	PVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used _____)	58	68	4	PVC	SCH 40
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	58	68	#2 Well Gravel		
Grout	3	58		Neat Cement Bentonite	190 lbs.

### RECORD OF TEST

Test Date **2 / 27 / 01**  
Static Water Level **18** ft. below land surface  
Water Level Measured Using **Tape**  
Pumping Water Level **18** ft. below land surface  
Well Was Pumped Using **Air**  
Well Yield **60** gpm  
If Pump Tested: Discharge Rate **N/A** gpm  
Duration of Test **N/A** hours

Grouting Method **Pressure Grouted w/Tremie**  
Drilling Method **Rotary**

### GEOLOGIC LOG

Note depths where water was encountered in consolidated formations.

0 - 2	Topsoil
2 - 6	Coarse Brown Sand
6 - 18	Coarse Yellow Sand
18 - 23	Coarse White Sand
23 - 38	Coarse Brwn Sand/Brwn Clay
38 - 46	Gravel
46 - 48	Brown Clay
48 - 63	Coarse White Sand
63 - 68	Gray Clay & Fine Gray Sand

PERMANENT PUMPING EQUIPMENT  
Installed by **Tom LeSage** Reg. No. **1072**  
Pump Type **Submersible**  
Depth of Pump below land surface **40** ft.  
Capacity **12** gpm Horsepower **1/2**

*I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.*

Drilling Company **ANDERSON'S WELL DRILLING**

Well Driller (Print) **George Ely**

Driller's Signature *George Ely sb*

Registration No. **J1485** Date **4 / 20 / 01**

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_" LONGITUDE: \_\_\_\_\_"

**WELL RECORD**

Well Permit Number

31 61194

*E*

Atlas Sheet Coordinates

31 : 42 : 131

**OWNER** WISOWATY, EDWARD

Address

61 LEONARD CAKE ROAD

City

FRANKLINVILLE

State

NJ

Zip Code

**WELL LOCATION ADDRESS**

61 LEONARD CAKE ROAD

Owner's Well No.

County

GLOUCESTER

Municipality

FRANKLIN TWP

Lot No.

12

Block No.

4202

**WELL USE**

DOMESTIC REPLACEMENT

DATE WELL STARTED 7 / 10 / 01  
DATE WELL COMPLETED 7 / 10 / 01

**WELL CONSTRUCTION**

Total Depth Drilled 95 ft.

Finished Well Depth 95 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
1 ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>41</u>	<u>80</u>	<u>4</u>	<u>PVC</u>	<u>SCH 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>80</u>	<u>90</u>	<u>4</u>	<u>PVC</u>	<u>.015</u>
Blank Casings (No. Used )					
Tail Piece	<u>90</u>	<u>95</u>	<u>4</u>	<u>PVC</u>	<u>SCH 40</u>
Gravel Pack	<u>70</u>	<u>95</u>	<u>8</u>	<u>ROCCA</u>	<u>#2</u>
Grout	<u>0</u>	<u>70</u>	<u>8</u>	Neat Cement Bentonite	<u>150</u> lbs.

**RECORD OF TEST**

Test Date 7 / 10 / 01  
Static Water Level 5 ft. below land surface  
Water Level Measured Using PROBE  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using AIR LIFT  
Well Yield 45 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method TREMBLE  
Drilling Method ROTARY

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

0-2 TOP SOIL

2-26 WHITE SAND

26-68 YELLOW SAND

68-72 GRAY CLAY

72-90 KIRK WOOD

90-95 GRAY CLAY

**PERMANENT PUMPING EQUIPMENT**

Installed by E. MAYERS Reg. No. 11135  
Pump Type SUB  
Depth of Pump below land surface 40 ft.  
Capacity 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

**DELSEA WELL DRILLING**

Drilling Company \_\_\_\_\_

Well Driller (Print) EDWARD MAYERS

Driller's Signature *Ed M*

Registration No. 11135 Date 9 / 12 / 01

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)  
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
OR  
LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "

**WELL RECORD**

Well Permit Number  
**31 63360**



Atlas Sheet Coordinates  
**31 42 131**

**OWNER** RICHMOND, MICHAEL  
 Address 377 THREE BRIDGES ROAD  
 City NEWFIELD State NJ Zip Code \_\_\_\_\_  
**WELL LOCATION ADDRESS** 377 THREE BRIDGES RD Owner's Well No. 1  
 County SALEM Municipality UPPER PITTSBURY Lot No. 13 Block No. 2  
**WELL USE** DOMESTIC REPLACEMENT

DATE WELL STARTED 5 / 16 / 02  
 DATE WELL COMPLETED 5 / 16 / 02

**WELL CONSTRUCTION**

Total Depth Drilled 85 ft.

Finished Well Depth 85 ft.

Borehole Diameter:

Top 8 in.  
 Bottom 8 in.

Well Casing Begins:

+1 ft. above grade or  
 \_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+1	75	4	PVC	Sch.40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used _____)	75	85	4	PVC	Sch.40
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	73	85		#2 sand	
Grout	3.5	73		Neat Cement Bentonite	400 lbs.

**RECORD OF TEST**

Test Date 5 / 16 / 02  
 Static Water Level 18 ft. below land surface  
 Water Level Measured Using lift/pump  
 Pumping Water Level 26 ft. below land surface  
 Well Was Pumped Using Submersible  
 Well Yield 20 gpm  
 If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
 Duration of Test 1 hours

Grouting Method Tremie pipe  
 Drilling Method mud

**PERMANENT PUMPING EQUIPMENT**

Installed by J.D'Agostino, Jr Reg. No. PI0017017  
 Pump Type Submersible  
 Depth of Pump below land surface 38 ft.  
 Capacity 10 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company D'AGOSTINO WELL DRILLING

Well Driller (Print) Paul Belan

Driller's Signature Paul Belan

Registration No. 1027 Date 5 / 17 / 02

COPIES: White - DEP Canary - Driller Pink - Owner  
 Goldenrod - Health Dept.

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

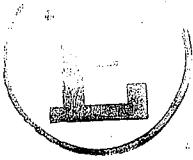
0'- 2' topsoil brown  
2'-10' gravelly clay yellow brown  
10'-33' sand coarse to gravel stones yellow brown  
33'-38' clay yellow brown & white  
38'-55' gravel yellow to orange brown  
55'-58' clay white  
58'-70' gravel to sand yellow brown  
70'-72' clay yellow brown  
72'-85' sand medium light brown

**AS-BUILT WELL LOCATION**

(NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_  
 OR  
 LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "



**WELL RECORD**

Well Permit Number  
**31 63493**

Atlas Sheet Coordinates  
**31 42 131**

OWNER **FALISI, JAMES**

Address **215 LEONARD CAKE RD**

City **FRANKLINVILLE**

State **NJ**

Zip Code

WELL LOCATION ADDRESS **215 LEONARD CAKE RD**

Owner's Well No.

**20**

**4203**

County **GLOUCESTER**

Municipality **FRANKLIN TWP**

Lot No.

Block No.

WELL USE **DOMESTIC REPLACEMENT**

DATE WELL STARTED **6/3/02**  
DATE WELL COMPLETED **6/3/02**

**WELL CONSTRUCTION**

Total Depth Drilled **80** ft.

Finished Well Depth **80** ft.

Borehole Diameter:  
Top **8** in.  
Bottom **8** in.

Well Casing Begins:  
**+2** ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<b>+2</b>	<b>70</b>	<b>4</b>	<b>PVC</b>	<b>Sch 40</b>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <b>0/0</b> )	<b>70</b>	<b>80</b>	<b>4</b>	<b>PVC</b>	<b>Sch 40</b>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<b>65</b>	<b>80</b>		<b>#1 Sand</b>	<b>600#</b>
Grout	<b>0</b>	<b>65</b>		<b>Neat Cement Bentonite</b>	<b>80 lbs.</b>

**RECORD OF TEST**

Test Date **6/3/02**  
Static Water Level **15** ft. below land surface  
Water Level Measured Using **M-SCOPE**  
Pumping Water Level **30** ft. below land surface  
Well Was Pumped Using **AIRLIFT**  
Well Yield **50** gpm  
If Pump Tested: Discharge Rate **NA** gpm  
Duration of Test **NA** hours

Grouting Method **Pressure Tremie**  
Drilling Method **MUD Rotary**

**PERMANENT PUMPING EQUIPMENT**

Installed by **KARL HITZELBERGER** Reg. No. **1530**  
Pump Type **Submersible**  
Depth of Pump below land surface **50** ft.  
Capacity **30** gpm Horsepower **1**

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company **UNI-TECH DRILLING**

Well Driller (Print) **KARL HITZELBERGER**

Driller's Signature **Karl Hitzelberger**

Registration No. **M1530** Date **6/28/02**

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

**0-18" orange sandy clay**  
**18-55 sand w/ clay stringers**  
**55-68 DMF white sand**  
**68-70 tan clay**  
**70-80 white DMF sand**

**AS-BUILT WELL LOCATION**

(NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

LATITUDE: \_\_\_\_\_ OR \_\_\_\_\_ LONGITUDE: \_\_\_\_\_



New Jersey Department of Environmental Protection  
Bureau of Water Systems and Well Permitting

Well Permit Number

3100072995

**WELL RECORD**

Atlas Sheet Coordinates

3142131

OWNER THOMAS NEVILLE

Address 181 LEONARD CAKE ROAD

City Franklinville

State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 181 LEONARD CAKE ROAD

Owner's Well No. \_\_\_\_\_

County Gloucester

Municipality Franklin Twp

Lot No. 23

Block No. 4203

WELL USE Domestic Replacement

DATE WELL STARTED 8-29-06

DATE WELL COMPLETED 8-29-06

**WELL CONSTRUCTION**

Total Depth Drilled 95 ft.

Finished Well Depth 95 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

12 ft. above grade or

\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>12</u>	<u>85</u>	<u>4"</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>.020</u> )	<u>85</u>	<u>95</u>	<u>4"</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>80</u>	<u>95</u>		<u>#1 Sand</u>	<u>500</u>
Grout	<u>0</u>	<u>80</u>		Neat Cement Bentonite	<u>350</u> lbs

**RECORD OF TEST**

Test Date 8/29/06

Static Water Level 15 ft. below land surface

Water Level Measured Using TAPE

Pumping Water Level N/A ft. below land surface

Well Was Pumped Using AIRLIFT

Well Yield 40 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

**PERMANENT PUMPING EQUIPMENT**

Installed by Joseph Jester Reg. No. M1399

Pump Type Submersible

Depth of Pump below land surface 30 ft.

Capacity 12 gpm Horsepower 1/2

*I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.*

Drilling Company UNI-TECH DRILLING CO INC

Well Driller (Print) Joseph Jester

Driller's Signature Joseph Jester

Registration No. M1399 Date 9/11/06

Grouting Method Pressure Tremie

Drilling Method mud Rotary

GEOLOGIC LOG
Note each depth where water was encountered in consolidated formations
<u>0-21' tan/orange CMF sand</u>
<u>21-60' tan M-F sand</u>
<u>60-70' tan/white clay</u>
<u>70-95' tan CMF sand</u>

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET
NORTHING: _____ EASTING: _____
OR
LATITUDE: _____ LONGITUDE: _____

ORIGINAL: DEP

COPIES: DRILLER

OWNER

HEALTH DEPARTMENT

**WELL RECORD**

OWNER DORIS SMITH

Address 46 TRIUMPH ROAD

City Franklinville

State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 46 TRIUMPH ROAD

Owner's Well No. 2

County Gloucester

Municipality Franklin Twp

Lot No. 3

Block No. 4116

WELL USE Domestic Replacement

DATE WELL STARTED 9-25-06

DATE WELL COMPLETED 9-25-06

**WELL CONSTRUCTION**

Total Depth Drilled 147 ft.

Finished Well Depth 147 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

+1.5 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
• Single/Inner Casing	<u>1.5</u>	<u>137</u>	<u>4</u>	<u>PVC SCH 40</u>	<u>SCH 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
• Open Hole or <u>Screen</u> (No. Used <u>020</u> )	<u>137</u>	<u>147</u>	<u>4</u>	<u>PVC</u>	<u>SCH 40</u>
Blank Casings (No. Used )					
Tail Piece					
• Gravel Pack	<u>132</u>	<u>147</u>	<u>8</u>	<u>#1 sand</u>	<u>600 lbs</u>
Grout	<u>0</u>	<u>132</u>	<u>8</u>	<u>Neat Cement Bentonite</u>	<u>350</u> lbs

**RECORD OF TEST**

Test Date 9/25/06

Static Water Level 110 ft. below land surface

Water Level Measured Using m-scope

Pumping Water Level \_\_\_\_\_ ft. below land surface

Well Was Pumped Using airlift

Well Yield 40 gpm

If Pump Tested Discharge Rate \_\_\_\_\_ gpm

Duration of Test \_\_\_\_\_ hours

Grouting Method Tremmie

Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by John J. Roesly Jr. Reg. No. JB195453

Pump Type submersible

Depth of Pump below land surface 35 ft.

Capacity 10 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company CHOICE WATER GROUP, LLC

Well Driller (Print) John J. Roesly Jr.

Driller's Signature [Signature]

Registration No. JB195453 Date 11/10/06

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0'-14' Sand & Gravel

14'-27' Clay

27'-43' Sand & Gravel

43'-81' Clay

81'-90' Sand & Clay

90'-112' Sand & Gravel

112'-119' Clay

119'-147' Coarse Sand

**AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

OR

LATITUDE: \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ "





WELL RECORD

Well Permit Number  
31 59684

Atlas Sheet Coordinates  
31 42 132

OWNER SCHOETTLER, MICHAEL  
241 LEONARD CAKE RD

Address \_\_\_\_\_

City FRANKLINVILLE State NJ Zip Code 08322

WELL LOCATION ADDRESS 241 LEONARD CAKE RD Owner's Well No. 3159684  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 18 Block No. 4203

WELL USE DOMESTIC REPLACEMENT DATE WELL STARTED 12/12/00  
DATE WELL COMPLETED 12/12/00

WELL CONSTRUCTION

Total Depth Drilled 80 ft.

Finished Well Depth 80 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
15 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	15	70	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	70	80	4	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	70	80	2 well	Coravel	
Grout	3	70		Neat Cement Bentonite	204 lbs

RECORD OF TEST

Test Date 12/12/00  
Static Water Level 18 ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level 18 ft. below land surface  
Well Was Pumped Using Air  
Well Yield 90 gpm  
If Pump Tested: Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method Pressure Grouted w/ Tremie Pipe  
Drilling Method Rotary

PERMANENT PUMPING EQUIPMENT

Installed by Tom He Sage Reg. No. 1072  
Pump Type Jet Pump Existing  
Depth of Pump below land surface 0 ft.  
Capacity 10 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSON'S WELL DRILLING  
Well Driller (Print) George Ely  
Driller's Signature George Ely  
Registration No. 1224 Date 1/4/01

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.  
0-2 Topsoil  
2-18 Coarse Yellow Sand  
18-23 Yellow Clay  
23-28 Coarse Red Sand  
28-43 Coarse Red Sand and Orange Clay  
43-59 Fine Yellow Sand/White Yellow Clay  
59-80 Coarse Yellow Sand/Fine Yellow Sand

W

New Jersey Department of Environmental Protection  
Bureau of Water Allocation

Well Permit Number

3100070132

**WELL RECORD**

Atlas Sheet Coordinates

3142132

OWNER STACIE STOCKDILL

Address 244 LEONARD CAKE ROAD

City Franklinville

State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 244 LEONARD CAKE ROAD

Owner's Well No. 3100070132

County Gloucester

Municipality Franklin Twp

Lot No. 6

Block No. 4401

WELL USE Domestic Replacement

DATE WELL STARTED 5-25-05

DATE WELL COMPLETED 5-25-05

**WELL CONSTRUCTION**

Total Depth Drilled 98 ft.

Finished Well Depth 98 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>88</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>88</u>	<u>98</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>88</u>	<u>98</u>	<u>#2 Well Gravel</u>		
Grout	<u>3</u>	<u>88</u>		<u>Neat Cement Bentonite</u>	<u>275</u> lbs

**RECORD OF TEST**

Test Date 5/25/05

Static Water Level 12 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 12 ft. below land surface

Well Was Pumped Using Air

Well Yield 70 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

Grouting Method pressure grout/tremie  
Drilling Method Rotary Pipe

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom LeSage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 40 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) George Ely

Driller's Signature George Ely

Registration No. JD1485 Date 6/10/05

GEOLOGIC LOG
Note each depth where water was encountered in consolidated formations
<u>0-2 Top Soil</u>
<u>2-14 Orange Clay &amp; Gravel</u>
<u>14-20 Coarse Tan Sand</u>
<u>20-42 Coarse White Sand</u>
<u>42-58 Yellow &amp; White Clay</u>
<u>58-79 Coarse Yellow Sand</u>
<u>79-97 Medium Yellow Sand</u>
<u>97-98 Fine Grey Sand</u>

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET
NORTHING: _____ EASTING: _____
OR
LATITUDE: 0' _____ " LONGITUDE: 0' _____ "

LA

**WELL RECORD**

OWNER MARY ANN SCHEELE

Address 827 OAK AVENUE

City Malaga

State

New Jersey

Zip Code 08328

WELL LOCATION ADDRESS 827 OAK AVENUE

Owner's Well No. \_\_\_\_\_

County Gloucester

Municipality

Franklin Twp

Lot No. 7

Block No. 4401

WELL USE Domestic Replacement

DATE WELL STARTED 1-9-07

DATE WELL COMPLETED 1-9-07

**WELL CONSTRUCTION**

Total Depth Drilled 95 ft.

Finished Well Depth 95 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5+</u>	<u>85</u>	<u>4"</u>	<u>PVC</u>	<u>40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>.020</u> )	<u>85</u>	<u>95</u>	<u>4</u>	<u>PVC</u>	<u>40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>80</u>	<u>95</u>	<u>8</u>	<u>1#</u>	<u>500 lbs</u>
Grout	<u>0</u>	<u>80</u>	<u>8</u>	Neat Cement Bentonite	<u>400</u> lbs

**RECORD OF TEST**

Test Date 1/9/07

Static Water Level 12 ft. below land surface

Water Level Measured Using M scope

Pumping Water Level N/A ft. below land surface

Well Was Pumped Using Airlift

Well Yield 40 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

**PERMANENT PUMPING EQUIPMENT**

Installed by Joseph Jester Reg. No. M1399

Pump Type Submersible

Depth of Pump below land surface 35 ft.

Capacity 15 gpm Horsepower 1/2

*I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.*

Drilling Company UNI-TECH DRILLING CO INC

Well Driller (Print) Joseph Jester

Driller's Signature Joseph Jester

Registration No. M1399 Date 1/9/07

Grouting Method Pressure Tremie

Drilling Method Mud Rotary

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations	
<u>0-20</u>	<u>Orange Tan C-M-F sand some clay</u>
<u>20-48</u>	<u>Tan M-F Sand</u>
<u>48-55'</u>	<u>White Tan clay</u>
<u>55-95</u>	<u>Tan C-M-F sand</u>
AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)	
NJ STATE PLANE COORDINATE IN US SURVEY FEET	
NORTHING: _____	EASTING: _____
OR	
LATITUDE: _____	LONGITUDE: _____



**WELL RECORD**

Well Permit Number  
**31 - 59685**

Atlas Sheet Coordinates  
**31 : 42 : 133**

OWNER **GODFREY, STEVE & RUFFINA**  
Address **60 GRUBB RD**

City **NEWFIELD** State **NJ** Zip Code **08322**

WELL LOCATION ADDRESS **60 GRUBB RD** Owner's Well No. **3159685**  
County **GLOUCESTER** Municipality **FRANKLIN TWP** Lot No. **2** Block No. **5202**

WELL USE **DOMESTIC REPLACEMENT** DATE WELL STARTED **12 / 12 / 00**  
DATE WELL COMPLETED **12 / 12 / 00**

**WELL CONSTRUCTION**

Total Depth Drilled **90** ft.

Finished Well Depth **90** ft.

Borehole Diameter:  
Top **8** in.  
Bottom **8** in.

Well Casing Begins:  
**1.5** ft. above grade or  
ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	80	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	80	90	4	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	80	90	2 well	Gravel	
Grout	3	80		Neat Cement Bentonite	252 lbs

**RECORD OF TEST**

Test Date **12 / 12 / 00**  
Static Water Level **20** ft. below land surface  
Water Level Measured Using **Tape**  
Pumping Water Level **20** ft. below land surface  
Well Was Pumped Using **Air**  
Well Yield **100** gpm  
If Pump Tested: Discharge Rate **N/A** gpm  
Duration of Test **N/A** hours

Grouting Method **Pressure Grout w/Tremie Pipe**  
Drilling Method **Rotary**

**PERMANENT PUMPING EQUIPMENT**

Installed by **Bill Harris** Reg. No. **0445**  
Pump Type **Jet Pump**  
Depth of Pump below land surface **80** ft.  
Capacity **12** gpm Horsepower **1/2**

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company **ANDERSON'S WELL DRILLING**  
Well Driller (Print) **George Ely**  
Driller's Signature **George Ely B.A.**  
Registration No. **21854** Date **2 / 13 / 01**

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.  
**0-2 Topsoil**  
**2-8 large Gravel and Red Clay**  
**8-33 Coarse Red Sand**  
**33-50 Coarse Yellow Sand**  
**50-63 Coarse Yellow Sand/White + Yellow Clay**  
**63-90 Coarse Orange Sand/Fine Milky Yellow Sand**

**WELL RECORD**

OWNER MIKE DELGIORNO

Address 44 HILEY AVE.

City Franklinville

State New Jersey

Zip Code 08322

WELL LOCATION ADDRESS 44 HILEY AVE.

Owner's Well No. \_\_\_\_\_

County Gloucester

Municipality Franklin Twp

Lot No. 2

Block No. 4102

WELL USE Domestic Replacement

DATE WELL STARTED 11-16-04

DATE WELL COMPLETED 11-16-04

**WELL CONSTRUCTION**

Total Depth Drilled 105 ft.

Finished Well Depth 105 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1 ft. above grade or

\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>11</u>	<u>95</u>	<u>4</u>	<u>PVC</u>	<u>SCH 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>95</u>	<u>105</u>	<u>4</u>	<u>PVC</u>	<u>-015</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>90</u>	<u>105</u>	<u>8</u>	<u>RICCF</u>	<u>#2</u>
Grout	<u>0</u>	<u>90</u>	<u>8</u>	Neat Cement Bentonite	<u>250</u> lbs

**RECORD OF TEST**

Test Date 11 16 04

Static Water Level 16 ft. below land surface

Water Level Measured Using PROBE

Pumping Water Level \_\_\_\_\_ ft. below land surface

Well Was Pumped Using AIR LIFT

Well Yield 30 gpm

If Pump Tested Discharge Rate \_\_\_\_\_ gpm

Duration of Test \_\_\_\_\_ hours

Grouting Method TRENIE

Drilling Method ROTARY

**PERMANENT PUMPING EQUIPMENT**

Installed by E. MAYERS Reg. No. 1113

Pump Type SUB.

Depth of Pump below land surface 50 ft.

Capacity 10 gpm Horsepower 1/2

*I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.*

Drilling Company DELSEA WELL DRILLING

Well Driller (Print) ED MAYERS

Driller's Signature [Signature]

Registration No. 1113

Date 2 11 05

GEOLOGIC LOG
Note each depth where water was encountered in consolidated formations
<u>0-1 TOP SOIL</u>
<u>1-18 YELLOW SAND</u>
<u>18-80 MIXED SAND &amp; CLAY</u>
<u>80-105 WHITE SAND</u>

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET
NORTHING: _____ EASTING: _____
OR
LATITUDE: _____ " LONGITUDE: _____ "





**WELL RECORD**

Well Permit No. 31 - 41533  
Atlas Sheet Coordinates 31 : 42 : 135

**OWNER IDENTIFICATION - Owner** DECARIO, MARILYN A.  
Address 328 ENGARD AVE.  
City PENNSAUKEN State NJ Zip Code \_\_\_\_\_

**WELL LOCATION - If not the same owner please give address.** Owner's Well No. \_\_\_\_\_  
Address \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 5 Block No. 4301

**WELL USE** Domestic Status \_\_\_\_\_

**WATER USE** Domestic Average 500 gals. daily Maximum 750 gals. daily

**WELL CONSTRUCTION** Date well completed 5 / 18 / 94  
**BOREHOLE DIMENSIONS** Depths: Total 100 ft. Finished 100 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well 0 ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface +1.5 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL <small>Screens: Note Slot Size(s)</small>
Casing 1		<u>90'</u>	<u>4</u>	<u>Sch 40 PVC</u>
Casing 2				
Casing 3				
Screen 1	<u>90'</u>	<u>10'</u>	<u>4</u>	<u>Sch 40 1020</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>85</u>	<u>15'</u>		<u>#1 Moric</u>
Grout	<u>0</u>	<u>85'</u>		
Grouting Method	<u>Pressure Tremie</u>			

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date \_\_\_\_\_ N/A  
Static water-level before pumping \_\_\_\_\_ ft. below land surface. Water level \_\_\_\_\_ ft. below land surface after \_\_\_\_\_ hrs. of pumping.  
Water level was measured using \_\_\_\_\_ Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using \_\_\_\_\_ Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using \_\_\_\_\_ Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells \_\_\_\_\_  
Water Quality (taste, odor, color, etc.) \_\_\_\_\_

**PERMANENT PUMPING EQUIPMENT** Installed by OTHERS Pump Type UNKNOWN  
Mfrs. Name \_\_\_\_\_ Model \_\_\_\_\_  
CAPACITY: Pump delivers \_\_\_\_\_ GPM at \_\_\_\_\_ PSI pressure.  
POWER: \_\_\_\_\_ HP at \_\_\_\_\_ RPM Power Source \_\_\_\_\_  
DEPTHS: Pump \_\_\_\_\_ ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

**CONTRACTOR - Name of Drilling Contractor** UNI-TECH DRILLING  
Address P.O. Box 634  
City Newfield NJ State NJ Zip Code 08344  
Name of Driller William Jester License No. ma804

Signature of Contractor [Signature] Date 7, 2, 94



**WELL RECORD**

*E*

Well Permit Number

31 -- 61887

Atlas Sheet Coordinates

31 42 211

OWNER KELLY, JOSEPH J

Address 234 LEONARD CAKE RD  
FRANKLINVILLE

City \_\_\_\_\_ State NJ

Zip Code 08322

WELL LOCATION ADDRESS 234 LEONARD CAKE RD  
GLOUCESTER FRANKLIN TWP

Owner's Well No. 31-61887  
5 4401

County \_\_\_\_\_ Municipality \_\_\_\_\_ Lot No. \_\_\_\_\_ Block No. \_\_\_\_\_

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 9/26/01  
DATE WELL COMPLETED 9/26/01

**WELL CONSTRUCTION**

Total Depth Drilled 90 ft.

Finished Well Depth 90 ft.

Borehole Diameter:

Top 8 in.  
Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>80</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used _____)	<u>80</u>	<u>90</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>80</u>	<u>90</u>	<u>#2</u>	<u>well gravel</u>	
Grout	<u>3</u>	<u>80</u>		<u>Neat Cement Bentonite</u>	<u>250</u> lbs.

**RECORD OF TEST**

Test Date 9/26/01  
Static Water Level 22 ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level 22 ft. below land surface  
Well Was Pumped Using air  
Well Yield 100 gpm  
If Pump Tested: Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method Pressure Grout w/ Tremie Pipe  
Drilling Method Rotary

**GEOLOGIC LOG**

Note depths where water was encountered in consolidated formations.

0-2 topsoil  
2-8 coarse yellow sand w/ orange clay  
8-53 coarse red sand  
53-59 Med. yellow sand w/ yellow & white clay  
59-90 Med. yellow sand

**PERMANENT PUMPING EQUIPMENT**

Installed by Tomhosage Reg. No. 1072  
Pump Type Submersible  
Depth of Pump below land surface 50 ft.  
Capacity 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

**ANDERSON'S WELL DRILLING**

Drilling Company \_\_\_\_\_

Well Driller (Print) George Ely

Driller's Signature George Elyma

Registration No. J1485 Date 11/14/01

COPIES: White - DEP Canary - Driller Pink - Owner  
Goldenrod - Health Dept.

**AS-BUILT WELL LOCATION**

(NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: \_\_\_\_\_ EASTING: \_\_\_\_\_

LATITUDE: \_\_\_\_\_ OR \_\_\_\_\_  
LONGITUDE: \_\_\_\_\_

**WELL RECORD**

OWNER KENNETH DANTER

Address 199 BLACKWOOD AVE.

City Franklinville State New Jersey Zip Code 08322

WELL LOCATION ADDRESS 2646 DELSEA DRIVE Owner's Well No. 3100066936

County Gloucester Municipality Franklin Twp Lot No. 17 Block No. 3603

WELL USE Domestic Replacement DATE WELL STARTED 11-25-03  
DATE WELL COMPLETED 11-25-03

**WELL CONSTRUCTION**

Total Depth Drilled 72 ft.

Finished Well Depth 72 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

         ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	62	4	PVC	5ch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	62	72	4	PVC	5ch40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	62	72	#2 Well Gravel		
GROUT	3	62		Neat Cement Bentonite	202 lbs

**RECORD OF TEST**

Test Date 11 25 03

Static Water Level 25 ft. below land surface

Water Level Measured Using Tape

Pumping Water Level 25 ft. below land surface

Well Was Pumped Using air

Well Yield 80 gpm

If Pump Tested Discharge Rate N/A gpm

Duration of Test N/A hours

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Le Sage Reg. No. 1072

Pump Type Submersible

Depth of Pump below land surface 35 ft.

Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSONS WELL DRILLING

Well Driller (Print) Dan Carter

Driller's Signature Dan Carter

Registration No. 1021854 Date 12/1/03

Grouting Method Pressure grout/tremie pipe

Drilling Method Rotary

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-2 Black Top Soil  
2-17 Tan coarse sand  
17-26 Tan coarse sand  
yellow clay  
26-39 yellow clay  
39-65 yellow medium  
coarse sand  
65-72 yellow medium sand

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**WELL RECORD**

Well Permit Number  
31 59352

OWNER MARCHIONE, RICHARD

Atlas Sheet Coordinates  
31 42 212

Address 20 WALKER RD  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS 20 WALKER RD Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 42 Block No. 1202  
DOMESTIC REPLACEMENT

WELL USE \_\_\_\_\_ DATE WELL STARTED 11/16/00  
DATE WELL COMPLETED 11/16/00

**WELL CONSTRUCTION**

Total Depth Drilled 90 ft.  
Finished Well Depth 90 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
12 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>41.5</u>	<u>80</u>	<u>4</u>	<u>Pvc</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	<u>80</u>	<u>90</u>	<u>4</u>	<u>Pvc</u>	<u>Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>80</u>	<u>90</u>		<u>#1 GRAVEL</u>	
Grout	<u>4</u>	<u>80</u>		Neat Cement Bentonite	_____ lbs <u>270</u> lbs

**RECORD OF TEST**

Test Date 11/17/00  
Static Water Level 18 ft. below land surface  
Water Level Measured Using TAPE MEASURE  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using AIR LIFT  
Well Yield 70 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method PUMP & TRIMMIE PIPE  
Drilling Method MUD ROTARY

**PERMANENT PUMPING EQUIPMENT**

Installed by BARF TIRRO Reg. No. SD7082  
Pump Type Submersible  
Depth of Pump below land surface 50 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company AL'S WATER PUMP SERVICE INC.  
Well Driller (Print) ROSS RESTUCCI  
Driller's Signature Ross Restucci a.t.  
Registration No. SD-2421 Date 11/18/00

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

<u>0-1</u>	<u>BROWN</u>	<u>TOPSOIL</u>
<u>1-12</u>	<u>YELLOW MEDIUM</u>	<u>SAND</u>
<u>12-15</u>	<u>ORANGE</u>	<u>CLAY</u>
<u>15-30</u>	<u>TAN MEDIUM</u>	<u>SAND</u>
<u>30-33</u>	<u>WHITE</u>	<u>CLAY</u>
<u>33-40</u>	<u>YELLOW</u>	<u>CLAY</u>
<u>40-60</u>	<u>YELLOW FINE TO MEDIUM</u>	<u>SAND</u>
<u>60-68</u>	<u>GREYISH</u>	<u>CLAY</u>
<u>68-75</u>	<u>TAN MEDIUM</u>	<u>SAND</u>
<u>75-90</u>	<u>YELLOW COARSE</u>	<u>SAND</u>

**WELL RECORD**

OWNER CHARLES JOHNSTON

Address 161 PINEY LANE

City Newfield

State New Jersey

Zip Code 08344

WELL LOCATION ADDRESS 220 PENNSYLVANIA AVE.

Owner's Well No. 1

County Gloucester

Municipality Franklin Twp

Lot No. 46

Block No. 1201

WELL USE Domestic Replacement

DATE WELL STARTED 8/4/06

DATE WELL COMPLETED 8/4/06

**WELL CONSTRUCTION**

Total Depth Drilled 115 ft.

Finished Well Depth 115 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1</u>	<u>105</u>	<u>4</u>	<u>PVC</u>	<u>40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>105</u>	<u>115</u>	<u>4</u>	<u>PVC 020</u>	<u>40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>95</u>	<u>115</u>		<u>#1</u>	
Grout	<u>0</u>	<u>95</u>		<u>Neat Cement Bentonite</u>	<u>250</u> lbs

**7 DID NOT TEST**

**RECORD OF TEST**

Test Date    /   /   

Static Water Level     ft. below land surface

Water Level Measured Using    

Pumping Water Level     ft. below land surface

Well Was Pumped Using    

Well Yield     gpm

If Pump Tested Discharge Rate     gpm

Duration of Test     hours

**PERMANENT PUMPING EQUIPMENT**

Installed by     Reg. No.    

Pump Type    

Depth of Pump below land surface     ft.

Capacity     gpm Horsepower    

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company EASTERN DRILLING CO

Well Driller (Print) JAMES J. KRAMER, Sr.

Driller's Signature James J. Kramer, Sr.

Registration No. 1260 Date 11/25/06

Grouting Method TOLMIE

Drilling Method MVD ROTARY

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations

0-26 ORANGE SAND + GRAVEL  
26-34 ORANGE CLAY  
34-47 COARSE ORANGE SAND  
47-51 STIFF ORANGE CLAY  
51-59 ORANGE SAND + GRAVEL  
59-63 TAN CLAY  
63-72 ORANGE SAND  
72-83 ORANGE + TAN CLAY  
83-100 ORANGE SAND  
100-103 TAN CLAY  
103-115 TAN SAND

**AS-BUILT WELL LOCATION  
(NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING:     EASTING:    

OR

LATITUDE:     '     " LONGITUDE:     '     "

PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.

Owner Monte Ayres Driller Vance Skinner Co., Inc.  
Address R.D. # 2, Box 7, So. Delsea Dr. Address P.O. Box # 2  
Franklinville, N.J. 08322 Vineland, N.J. 08360

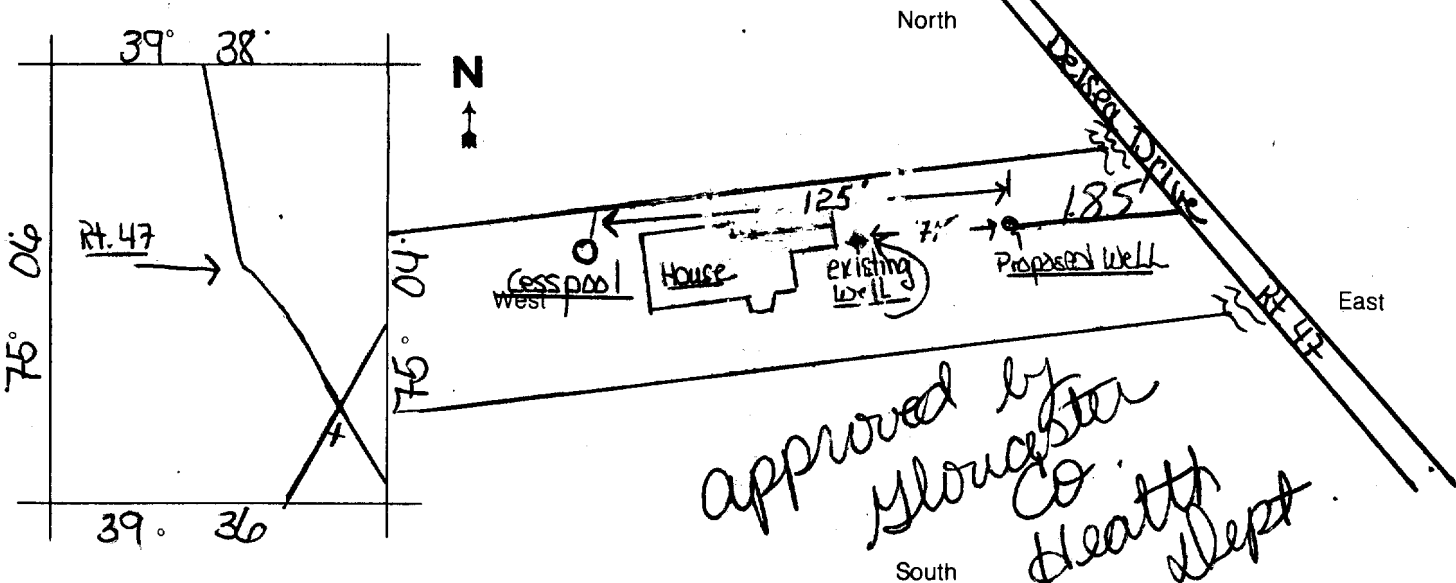
diameter of well 4 inches	proposed depth of well 100 feet	proposed capacity of pump 13 G.P.M.
method of drilling Rotary <small>(cable-tool, rotary, jet, etc.)</small>		use of well Residential - Replacement <small>(semi-public, domestic, industrial, public-supply, test, etc.)</small>

LOCATION OF WELL

lot # 14A-15A-16A  
# 24A  
block # 128  
municipality Franklin Twp. county Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31-32794



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

WELL PERMIT  
APPROVED

APR 23 1983

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 4-15-83 Signature of Owner Kathryn Ayres

File in Triplicate  
Sign all copies

05  
15

(Do not fill in)  
Application No. 32-270  
County \_\_\_\_\_  
Location Sl. 32 796

STATE OF NEW JERSEY  
DEPARTMENT OF CONSERVATION  
Division of Water Policy and Supply  
28 West State Street  
Trenton 8, New Jersey

APPLICATION FOR PERMIT TO DRILL WELL

An application must be submitted and permit received before drilling a well  
100 feet or more in depth.

print or type  
Owner Franklin Tpwnship Board of Education, Driller A. C. Schultes & Sons  
Address \_\_\_\_\_ Address 501 Mantua Ave., Woodbury N.J.

In compliance with the provisions of Chapter 377, P.L. 1947, application is hereby made for permit to  
drill a artesian well in Franklinville, Franklin Township, Gloucester County  
type municipality and county N.J.

\*Quantity of Water Needed (G.P.M.) 50 \*\*Use of Well drinking water for school

Proposed Diameter of Well 6" Proposed Depth of Well 100'

Method of Drilling to be Used standard cable

As a part of this application, and in consideration of the granting of a permit, applicant assumes full responsibility for plugging or  
sealing said well in a manner satisfactory to the Division, in the event it should become a menace to public health or safety.

Date \_\_\_\_\_  
Owner's Signature Franklin Township Board of Ed. Harold M. Klein

- \* Quantities in excess of 100,000 gallons per day may require special application for right to divert water.
- \*\* Well used for public and potable purposes will require application and permit for right to divert water.

Location of Well (See other side)

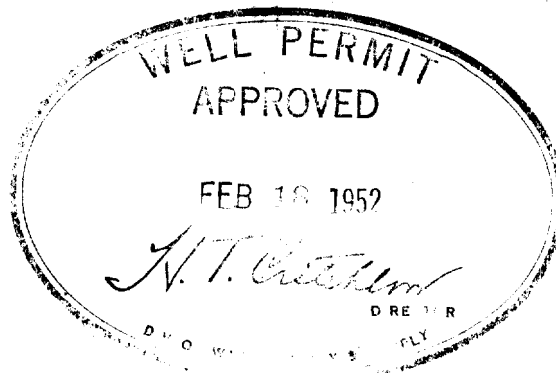
PERMIT TO DRILL WELL

(Not to be filled in by Applicant)

The applicant is hereby granted a permit to drill this well subject to  
the conditions stipulated on the application and as set forth below.

Samples of Cuttings Required by Department { Yes Special Conditions  
No }  
Permit Required to Divert Water { Yes  
No }  
Owner has Permit to Divert Water { Yes  
No }

Date \_\_\_\_\_

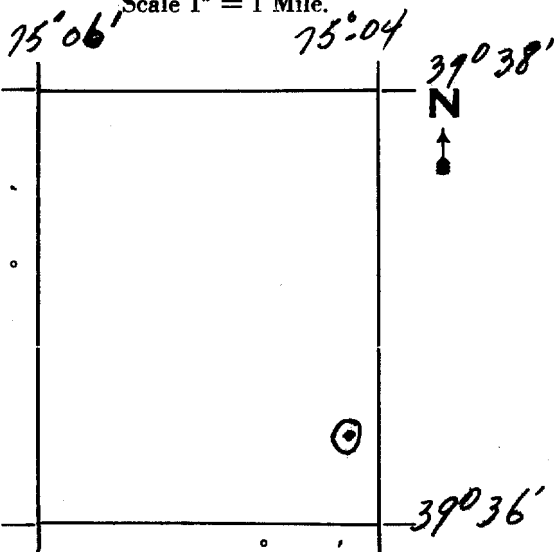


Chief Engineer



Location of Well

1. Location Overlay for State Topographic Map,  
Scale 1" = 1 Mile.



2. Sketch of premises in immediate vicinity showing relation of well to buildings, and distance and relations to nearest public road.



Fill in and submit 3 copies  
(white, blue, pink)

05  
15

(Do not fill in) Application No. 31-857

County \_\_\_\_\_

Location 31.42.200

Mail to  
**STATE GEOLOGIST**  
520 East State Street  
Trenton 9, N. J.

**STATE OF NEW JERSEY**  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT  
DIVISION OF WATER POLICY AND SUPPLY  
520 EAST STATE STREET  
TRENTON 9, N. J.

Make Checks Payable to  
DIVISION OF WATER POLICY & SUPPLY

**APPLICATION FOR PERMIT TO DRILL WELL**

Permit must be obtained Prior to the drilling of each well regardless of depth, except a drive-point or hand-dug well. Each application must be accompanied by the legal fee of Three Dollars (\$3.00).

(print or type)  
Owner John De Grossa Driller Rudolf Skypala #433  
Address Delosa Drive, Malaga N.J. Address 402 W. Oxford St. Vineland, N.J.

In compliance with Chapter 377, P. L. 1947, as amended, application is made for a permit to drill a well in  
Malaga (municipality) Blount (county) Use of Well Domestic (domestic, industrial, public supply, test, etc.)

Quantity of Water Needed 10 G.P.M. Diameter of Well 2" In.  
Proposed Depth of Well 50 Ft. Method of Drilling to be Used Jet (cable-tool, rotary, jet, etc.)

Show Location on Back of this Sheet Only.

In accepting a permit for this well, the Owner agrees to abide by the following General and Special Conditions:

**GENERAL CONDITIONS**

1. The issuance of a permit to drill this well will Not convey any Rights, either expressed or implied, to Divert Water.
2. In the event this well is abandoned, the Owner will assume full responsibility for plugging or sealing it in a manner satisfactory to the Division, in accordance with the provisions of Chapter 193, Laws of 1951.
3. A permit to drill this well will be valid for one year from date of approval.

Date 2-10-53 John De Grossa  
Owner's Signature

(Not to be filled in by Applicant)

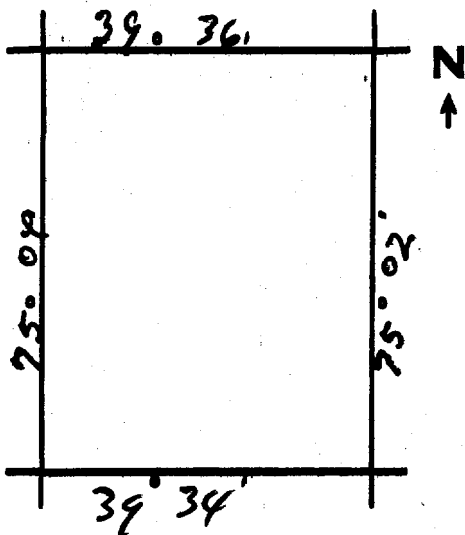
**SPECIAL CONDITIONS**

Samples of Cuttings Required by State Geologist } Yes /  
No /



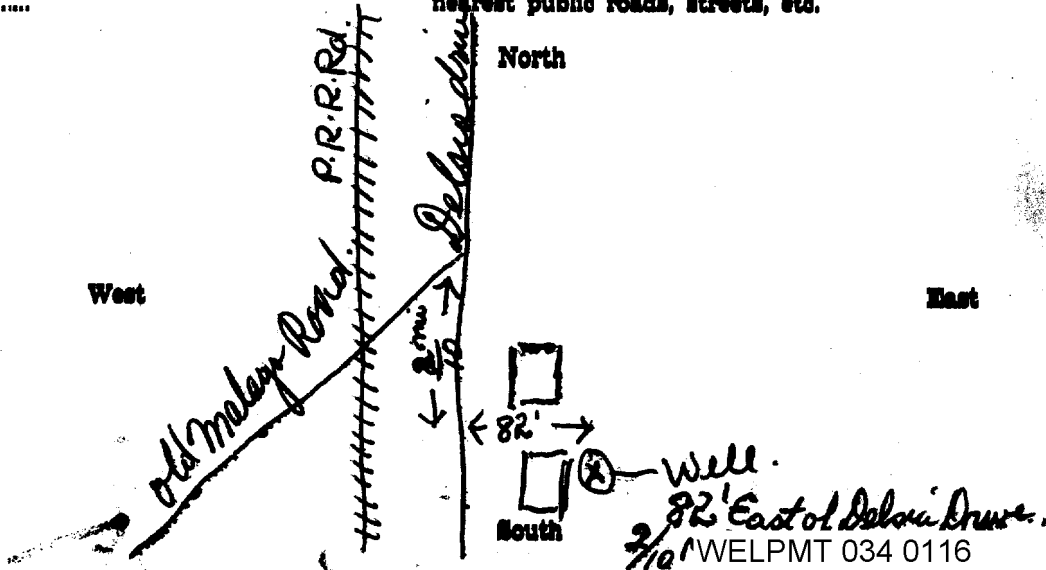
RECEIVED  
 FEB 13 1953  
 Department of  
 & Economic  
 Geology

State Atlas Map No. 31



LOCATION OF WELL

Draw sketch showing distances and relations of well site to nearest public roads, streets, etc.



Well.  
 82' East of De la Salle Drive.  
 2/10 WELPMT 034 0116

31.32,7 95

Fill in and submit 3 copies  
(white, blue, pink)

05  
15

(Do not fill in) Application No. 31-987  
County GLOU  
Location IONA

Mail to  
**STATE GEOLOGIST**  
530 East State Street  
Trenton 9, N. J.

**STATE OF NEW JERSEY**  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT  
DIVISION OF WATER POLICY AND SUPPLY  
520 EAST STATE STREET  
TRENTON 9, N. J.

Make Checks Payable to  
**DIVISION OF WATER POLICY & SUPPLY**

**APPLICATION FOR PERMIT TO DRILL WELL**

Permit must be obtained Prior to the drilling of each well regardless of depth, except a drive-point or hand-dug well. Each application must be accompanied by the legal fee of Three Dollars (\$3.00).

(print or type)

Owner ELTON B. HOLDCRAFT Driller Rudy Skypala #433  
Address STATION RD. Address N.W. Blvd.  
IONA, FRANKLYN Twp, NJ Newfield, N.J.

In compliance with Chapter 377, P. L. 1947, as amended, application is made for a permit to drill a well in

IONA (municipality) GLOU (county) Use of Well DOMESTIC  
(domestic, industrial, public supply, test, etc.)

Quantity of Water Needed 10 G.P.M. Diameter of Well 2 In.  
Proposed Depth of Well 50 Ft. Method of Drilling to be Used Jet  
(cable-tool, rotary, jet, etc.)

Show Location on Back of this Sheet Only.

In accepting a permit for this well, the Owner agrees to abide by the following General and Special Conditions:

**GENERAL CONDITIONS**

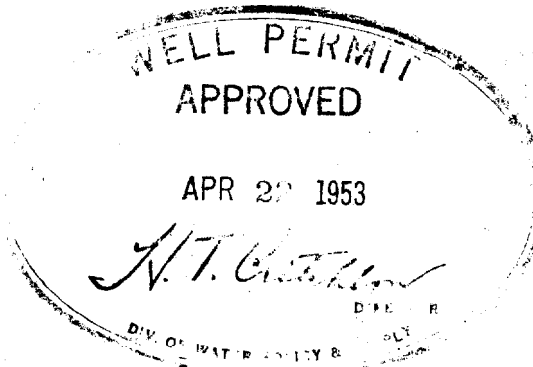
1. The issuance of a permit to drill this well will Not convey any Rights, either expressed or implied, to Divert Water.
2. In the event this well is abandoned, the Owner will assume full responsibility for plugging or sealing it in a manner satisfactory to the Division, in accordance with the provisions of Chapter 193, Laws of 1951.
3. A permit to drill this well will be valid for one year from date of approval.

Date April 20, 1953. Elton B. Holdcraft  
Owner's Signature

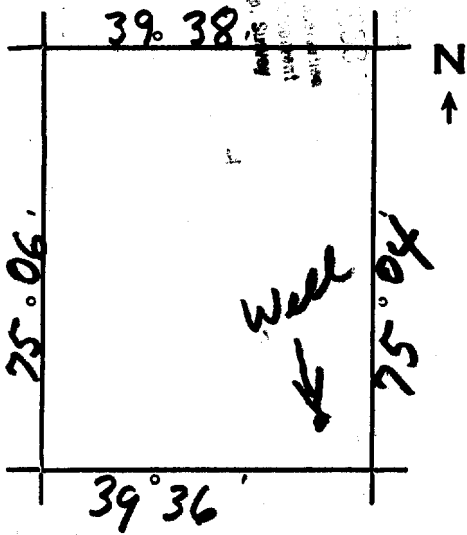
(Not to be filled in by Applicant)

**SPECIAL CONDITIONS**

Samples of Cuttings Required by State Geologist } Yes  
No

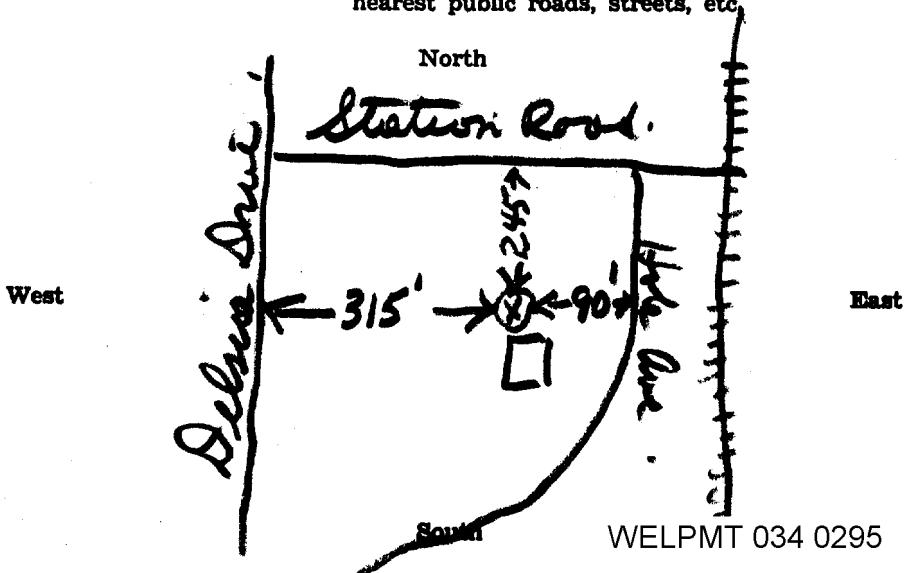


State Atlas Map No. 31



### LOCATION OF WELL

Draw sketch showing distances and relations of well site to nearest public roads, streets, etc.



31-42211

(Do not fill in) Application No. 31-1646

Fill in and submit 3 copies (white, blue, pink)

05  
15

County.....

Location.....

Mail to  
STATE GEOLOGIST  
520 East State Street  
Trenton 9, N. J.

STATE OF NEW JERSEY  
DEPARTMENT OF CONSERVATION & ECONOMIC DEVELOPMENT  
DIVISION OF WATER POLICY AND SUPPLY  
520 EAST STATE STREET  
TRENTON 9, N. J.

Make Checks Payable to  
DIVISION OF WATER POLICY & SUPPLY

APPLICATION FOR PERMIT TO DRILL WELL

Permit must be obtained Prior to the drilling of each well regardless of depth, except a drive-point or hand-dug well. Each application must be accompanied by the legal fee of Three Dollars (\$3.00).

(Print or type)  
Owner Isaac Leonard Driller Rudy Skypala  
Address Belsia Drive Address Box 192  
Lona, N.J. Newfield, N.J.

In compliance with Chapter 37A, P. L. 1947, as amended, application is made for a permit to drill a well in  
Franklin Twp. Gloucester Co. Domestic.  
(municipality) (county) Use of Well (domestic, industrial, public supply, test, etc.)

Quantity of Water Needed 10 G.P.M. Diameter of Well 2 In.  
Proposed Depth of Well 60 Ft. Method of Drilling to be Used Jet.  
(coring-tool, rotary, jet, etc.)

Show Location on Back of this Sheet Only.

In accepting a permit for this well, the Owner agrees to abide by the following General and Special Conditions:

GENERAL CONDITIONS

1. The issuance of a permit to drill this well will Not convey any Rights, either expressed or implied, to Divert Water.
2. In the event this well is abandoned, the Owner will assume full responsibility for plugging or sealing it in a manner satisfactory to the Division, in accordance with the provisions of Chapter 193, Laws of 1951.
3. A permit to drill this well will be valid for one year from date of approval.

Date Oct 11, 1954 Isaac Leonard  
Owner's Signature

(Not to be filled in by Applicant)

SPECIAL CONDITIONS

Samples of Cuttings Required by State Geologist } Yes  
No ✓



LOCATION OF WELL

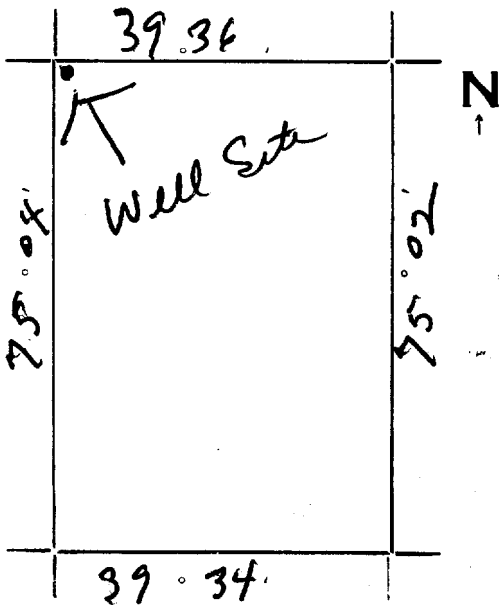
State Atlas Map No. 31

Draw sketch showing distances and relations of well site to nearest public roads, streets, etc.

RECEIVED

OCT 13 1954

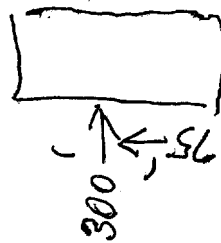
Department of Conservation  
& Economic Development  
Geology & Top. Survey



West

North

East



*Delia Drive, 607*

South

WELPMT 034 1697

05  
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Application No. 31-3114  
31-32-795

Mail to  
**STATE GEOLOGIST**  
520 EAST STATE STREET  
TRENTON 25, N. J.

**STATE OF NEW JERSEY**  
DEPARTMENT OF CONSERVATION & ECONOMIC DEVELOPMENT  
DIVISION OF WATER POLICY AND SUPPLY  
520 East State Street  
Trenton 25, N. J.

Make Checks Payable to  
**DIVISION OF WATER POLICY & SUPPLY**

**APPLICATION FOR PERMIT TO DRILL WELL**

Permit must be obtained prior to the drilling of each well regardless of depth, except a drive-point or hand-dug well. Each application must be accompanied by the legal fee of three dollars (\$3.00).

Owner IONA TRAILER PARK & SALES (Print or Type) Driller GUS HAUSER  
Address DELSEA DRIVE Address NEWFIELD N.J.  
IONA N. J.

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well in  
FRANKLINVILLE (municipality) GLOUCESTER (county) Use of well TRAILER PARK  
(domestic, industrial, public supply, test, etc.)  
Diameter of Well 4 inches Proposed Depth of Well 50 Feet  
Proposed Capacity of Pump 50 G.P.M. Method of Drilling CABLE-TOOL  
(cable-tool, rotary, jet, etc.)  
Show Location on Back of this Sheet.  
Date 5-15-57 Signature of Owner [Signature]

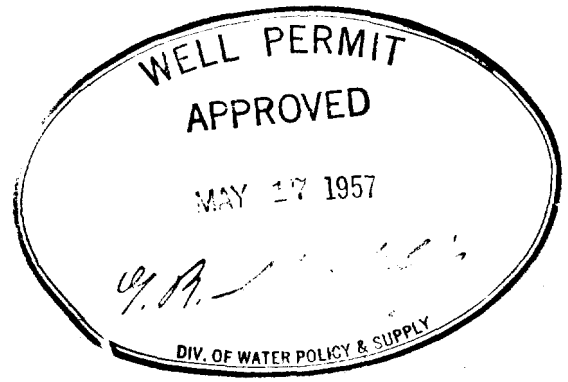
In accepting a permit for this well, the Owner agrees to abide by the following **General and Special Conditions:**

**GENERAL CONDITIONS**

- 1. The issuance of a permit to drill this well conveys no rights, either expressed or implied, to divert water.
- 2. If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Division.
- 3. In the event this well is abandoned, the Owner will assume full responsibility for plugging or sealing it in the manner satisfactory to the Division, in accordance with provisions of R. S. 58:4A-4.1.
- 4. A permit to drill this well will be valid for one year from date of approval.

**SPECIAL CONDITIONS**

- Samples of cuttings required every \_\_\_\_\_
- No samples of cuttings required

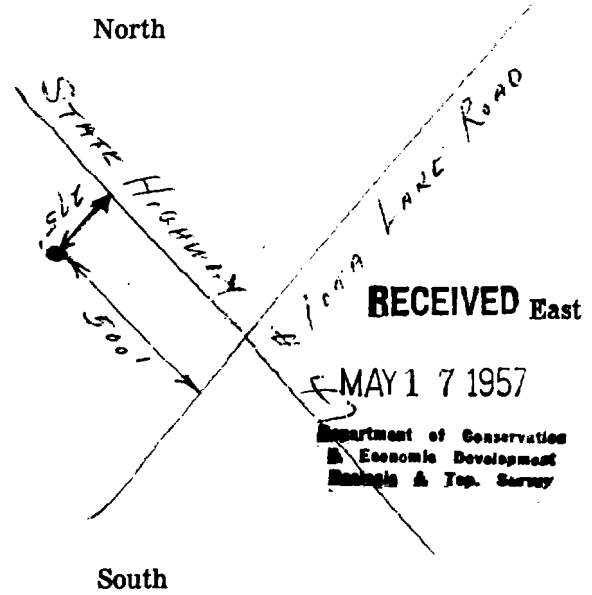
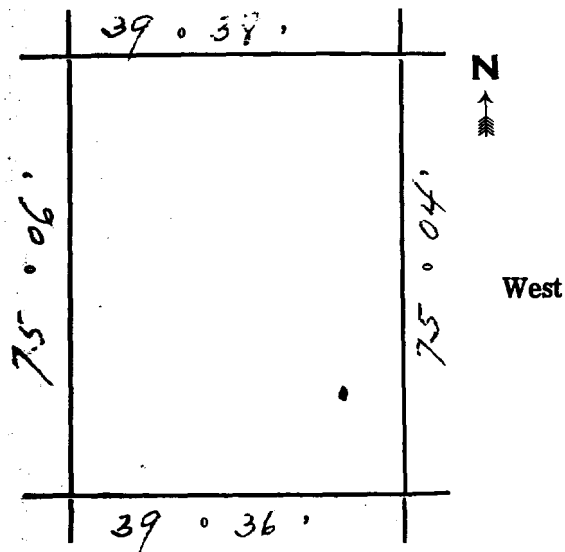




**LOCATION OF WELL**

Draw sketch showing distance and relations of well site to nearest public roads, streets, etc.

State Atlas Map No. 31



31-32-795

Application No. 31-7127

05  
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Mail to  
**STATE GEOLOGIST**  
P.O. BOX 1889  
TRENTON, N.J. 08625

**STATE OF NEW JERSEY**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N. J.

Make Checks Payable to:  
**BUREAU OF GEOLOGY & TOPOGRAPHY**

**APPLICATION FOR PERMIT TO DRILL WELL**

Application must be accompanied by a legal fee of five dollars (\$5.00).

(Print or Type)

Owner Gray's Ferry Brick Co Driller Vance Skinner Co Inc  
Address Franklinville, N.J. Address P.O. Box 2  
Vineland, N.J. 08360

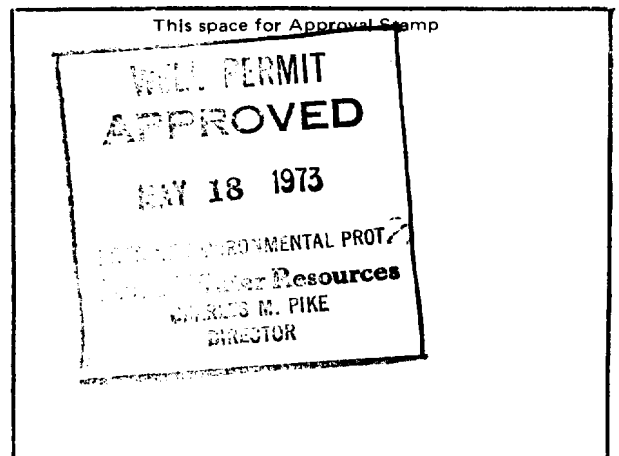
In compliance with R. S. 58:4A-14, application is made for a permit to drill a well in

10 96 Franklin Twp Gloucester Use of well Industrial  
lot # block # (municipality) (county) (semi-public, domestic, industrial, public supply, test, etc.)  
Diameter of Well 8 inches Proposed Depth of Well 70 Feet  
Proposed Capacity of Pump 65 G.P.M. Method of Drilling Rotary  
(cable-tool, rotary, jet, etc.)

Show Location on Back of this Sheet.

Date May 8, 1973 Signature of Owner Joseph R. Case (manager)

1. The issuance of a permit to drill this well conveys no rights, either expressed or implied, to divert water.
2. If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Division.
3. In the event this well is abandoned, the Owner will assume full responsibility for plugging or sealing it in the manner satisfactory to the Division, in accordance with provisions of R. S. 58:4A-4.1.
4. A permit to drill this well will be valid for one year from date of approval.
5. If this well is to be used for domestic or semi-public supply it must be constructed in accordance with provisions of "Standards for the Construction of Water Supply Systems for Realty Improvements (Revised 1966)" and be approved by the local Board of Health.

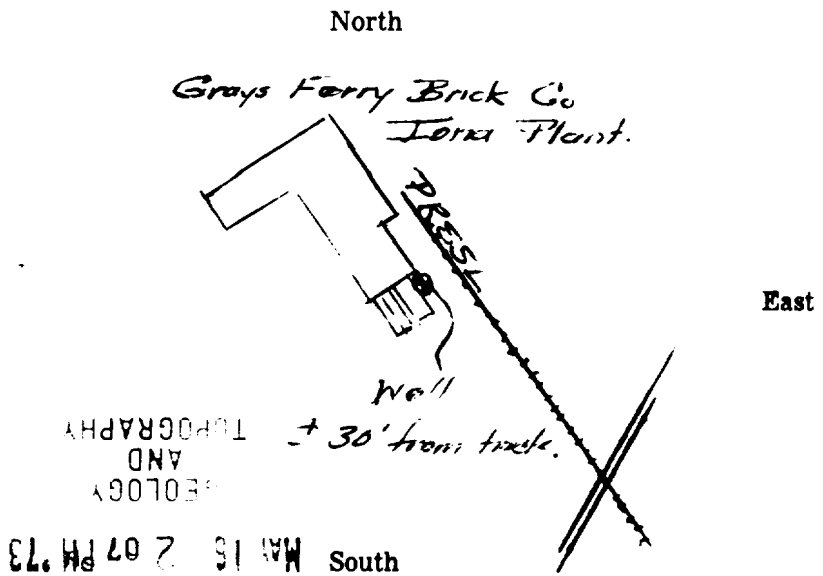
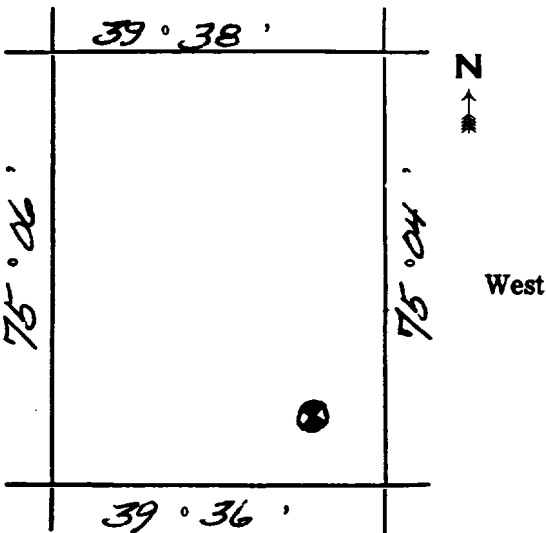


- Samples of cuttings required every \_\_\_\_\_
- No samples of cuttings required

**LOCATION OF WELL**

Draw sketch showing distance and relations of well site to nearest public roads, streets, etc.

State Atlas Map No. 31



TOPOGRAPHY  
AND  
GEOLOGY

MA 16 2 07 PM '73

RECEIVED

05  
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Application No 31-7420

STATE OF NEW JERSEY

Mail to  
STATE GEOLOGIST  
P.O. BOX 1889  
TRENTON, N.J. 08625

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
RECEIVED DIVISION OF WATER RESOURCES  
TRENTON, N. J.

31-7420-133

Make Checks Payable to:  
BUREAU OF GEOLOGY & TOPOGRAPHY

AUG 21 10 51 AM '73

APPLICATION FOR PERMIT TO DRILL WELL

Application must be accompanied by a legal fee of five dollars (\$5.00).  
DEPT. ENVIR. PROTECT.  
DIV. OF WATER RESOURCES

Owner MARTIN BOSCO (Print or Type) Driller D'AGOSTINO WELL DRILLING  
Address Box 68 DUTCH MILL RD Address R D #6  
MALAGA, N.J. BRIDGETON, N.J.

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well in

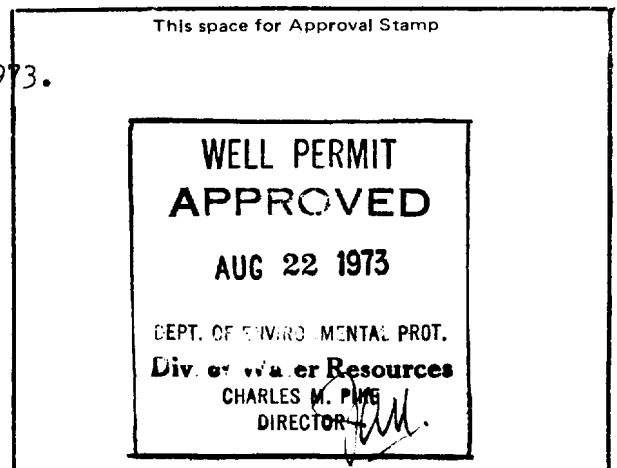
lot # 1 block # 151 (municipality) FRANKLIN TWP (county) GLOU Use of well IRRIGATION  
(semi-public, domestic, industrial, public supply, test, etc.)  
Diameter of Well 4 inches Proposed Depth of Well 70 Feet  
Proposed Capacity of Pump 200 G.P.M. Method of Drilling ROTARY  
(cable-tool, rotary, jet, etc.)

Show Location on Back of this Sheet.

Date 8-1-73 Signature of Owner Martin Bosco

- 1. The issuance of a permit to drill this well conveys no rights, either expressed or implied, to divert water.
- 2. If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Division.
- 3. In the event this well is abandoned, the Owner will assume full responsibility for plugging or sealing it in the manner satisfactory to the Division, in accordance with provisions of R. S. 58:4A-4.1.
- 4. A permit to drill this well will be valid for one year from date of approval.
- 5. If this well is to be used for domestic or semi-public supply it must be constructed in accordance with provisions of "Standards for the Construction of Water Supply Systems for Realty Improvements (Revised 1966)" and be approved by the local Board of Health.

Permit issued in accordance with provisions of letter of transmittal dated August 22, 1973.



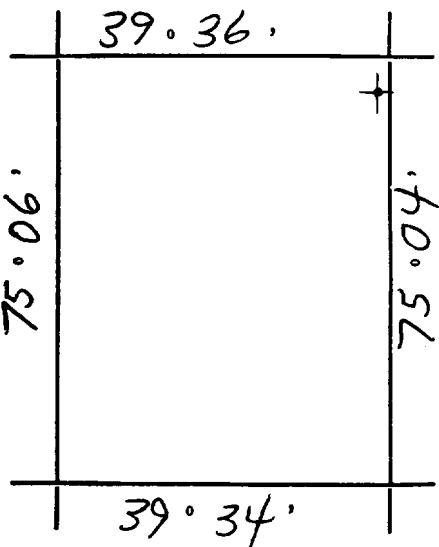
- Samples of cuttings required every .....
- No samples of cuttings required

**LOCATION OF WELL**

Draw sketch showing distance and directions from well site to nearest public roads, streets, etc.

State Atlas Map No. 31

31-42-133 [



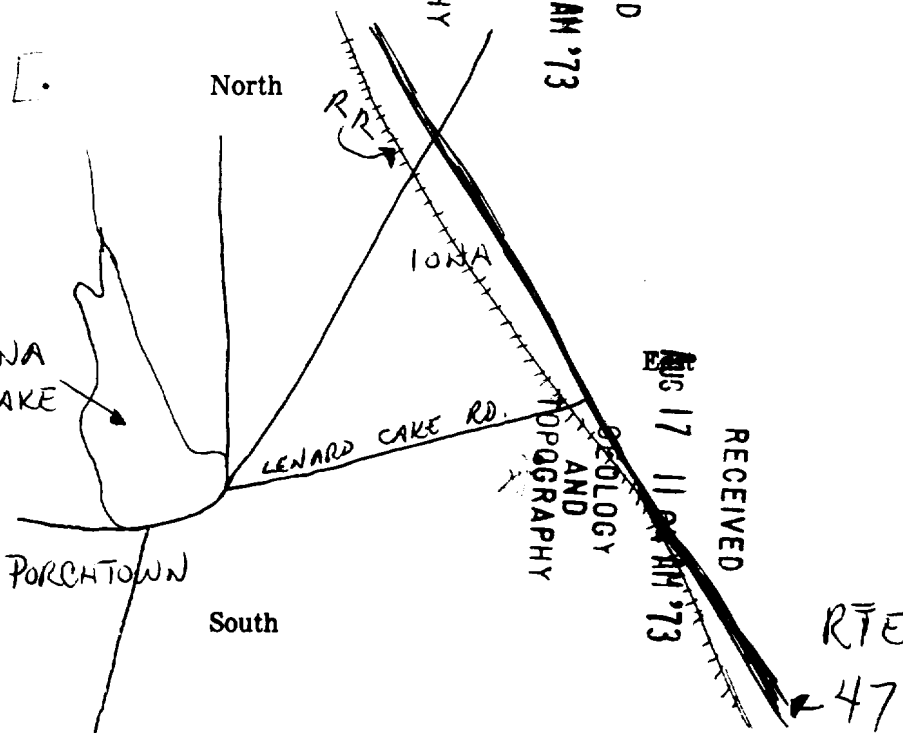
West

IONA LAKE

PORCHTOWN

South

North



RECEIVED  
AUG 28 9 34 AM '73

RECEIVED  
AUG 17 11 24 AM '73

RTE  
47

*Yakov*  
*05/15*  
 3142133  
 Permit No. 31-12160

**PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.**

Owner Hoffman Enterprises Inc. Driller Emile Gaburo  
 Address P.O. Box 101 Address 988 N. Mill Rd.  
Franklinville, N.J. 08322 Vineland, N.J.

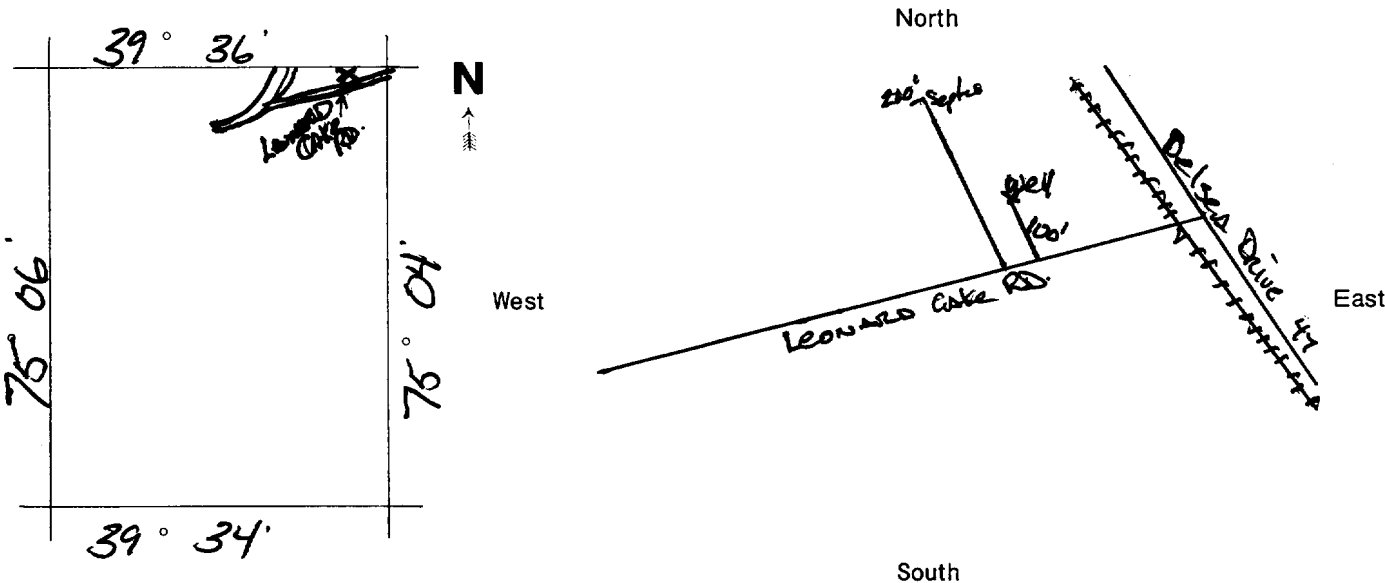
diameter of well <u>1.25</u> inches	proposed depth of well <u>50' (min)</u> feet	proposed capacity of pump <u>6</u> G.P.M.
method of drilling <u>Point Driven</u> <small>(cable-tool, rotary, jet, etc.)</small>		use of well <u>Domestic</u> <small>(semi-public, domestic, industrial, public-supply, test, etc.)</small>

**LOCATION OF WELL**

lot # <u>86</u>	block # <u>97A</u>	municipality <u>Franklin Twp.</u>	county <u>Gloucester</u>
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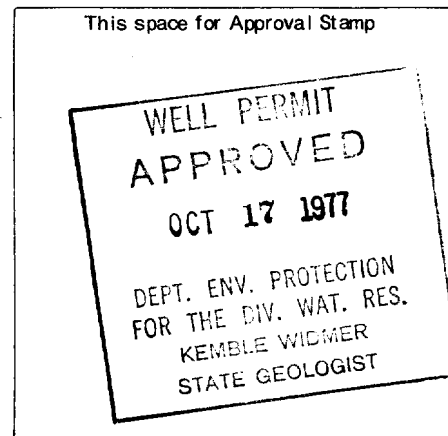
Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_



In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date \_\_\_\_\_ Signature of Owner *[Signature]*

Mail to  
STATE GEOLOGIST  
P.O. BOX 2809  
TRENTON, N.J. 08625

*[Handwritten signature]*

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF THE COMMISSIONER  
TRENTON, N.J.

*31-42-132*

Permit No. *31-12318*

*31-42-132*

PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.

Owner *Anthony Sylvester* Driller *Vance Skinner Company, Inc.*  
Address *Leonard Cake Rd.* Address *P.O. Box 2*  
*Franklinville N.J.* *Vineland, N.J.*

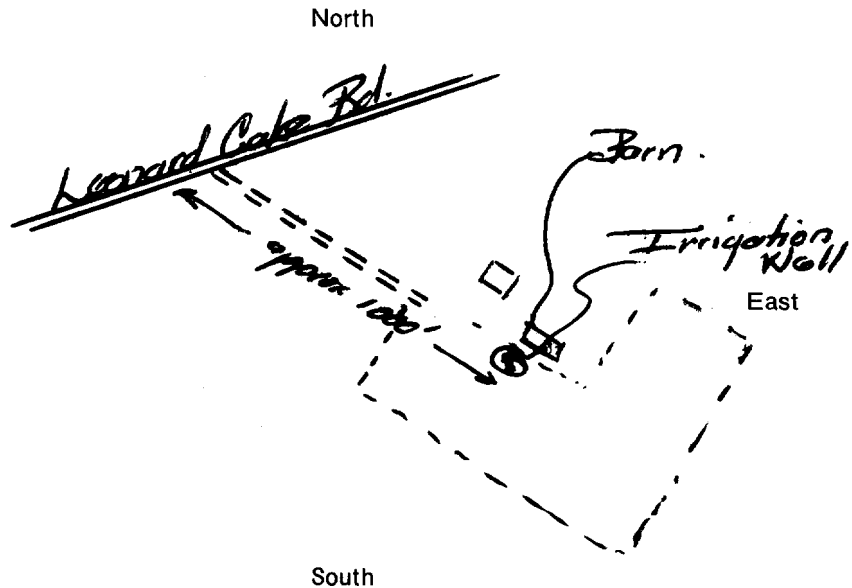
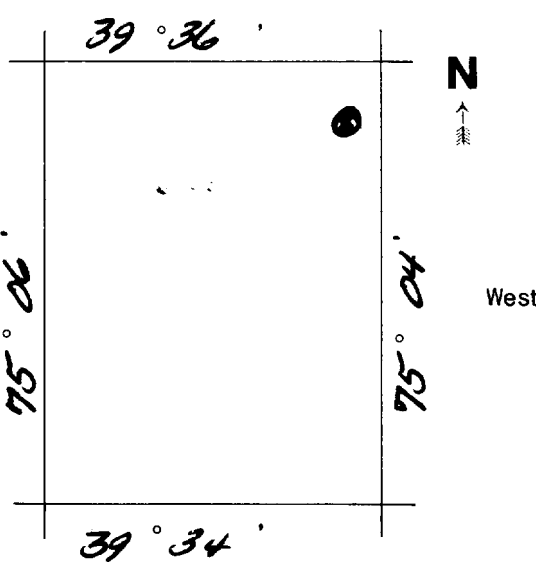
diameter of well <i>4</i> inches	proposed depth of well <i>60</i> feet	proposed capacity of pump <i>200</i> G.P.M.
method of drilling <i>Rotary</i> <small>(cable-tool, rotary, jet, etc.)</small>		use of well <i>Irrigation</i> <small>(semi-public, domestic, industrial, public-supply, test, etc.)</small>

LOCATION OF WELL

loc # <i>149</i>	map # <i>to</i>	municipality <i>Franklin Twp. Glou.</i>	county
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. *31*



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated *11/28/77*.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_
- \_\_\_\_\_

This space for Approval Stamp

**WELL PERMIT APPROVED**

**NOV 28 1977**

DEPT. ENV. PROT. & ENFOR.  
OR THE DIVISION OF  
ROCK & SOILS  
BUR. W.S. PL.

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date *11-14-77*

Signature of Owner *Anthony Sylvester J. M.*

*Ruff*  
 05-15

Permit No. 31-12448

**PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.**

3142132

Owner DENNIS STEWART Driller NIC RUGGIANO  
 Address LEONARD CAKE RD Address Box 390 TUCKER HOLE RD  
FRANKLINVILLE, N.J. W.M. STONEMAN, N.J. 08094

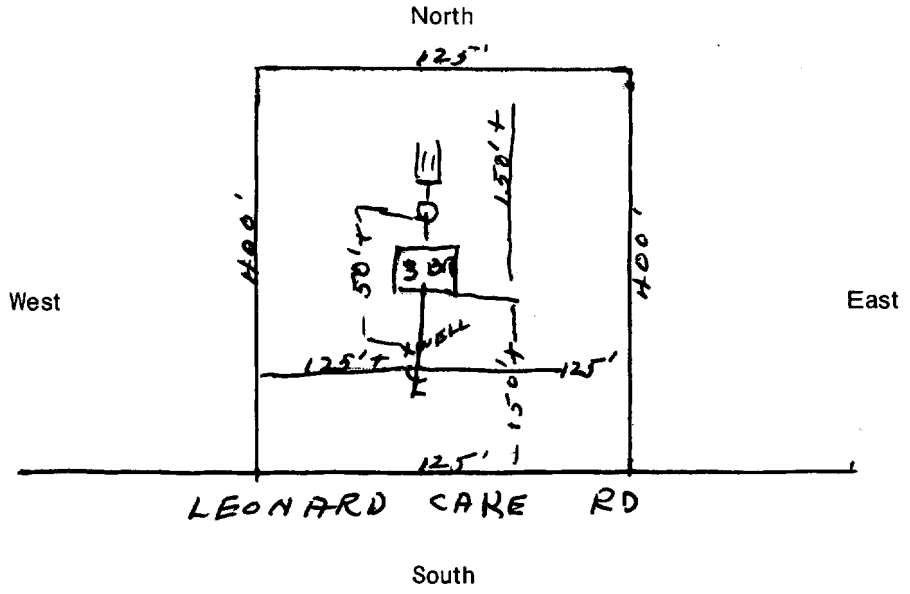
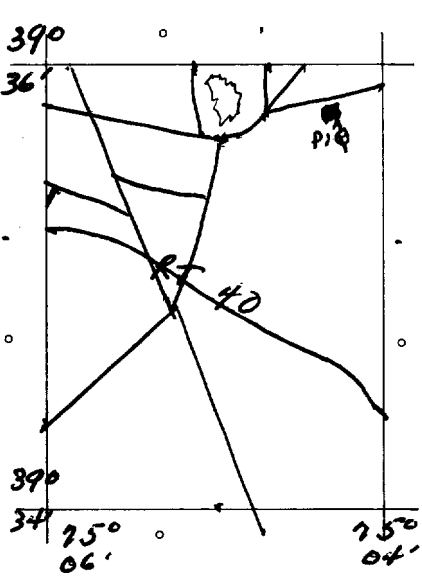
diameter of well <u>2"</u> inches	proposed depth of well <u>60'</u> feet	proposed capacity of pump <u>15</u> G.P.M.
method of drilling <u>RUGER</u> (cable-tool, rotary, jet, etc.)		use of well <u>DOMESTIC</u> (semi-public, domestic, industrial, public-supply, test, etc.)

**LOCATION OF WELL**

lot #	block #	municipality	county
<u>P/5</u>	<u>149</u>	<u>FRANKLIN Twp</u>	<u>Gloucester</u>

State Atlas Map No. 31

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

**WELL PERMIT  
 APPROVED**

**DEC 14 1977**

DEPT. ENV. PROTECTION  
 FOR THE DIV. WAT. RES.  
 KEMBLE WIDMER  
 STATE GEOLOGIST

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 12/12/77

Signature of Owner D. Stewart



Mail to

STATE GEOLOGIST  
P.O. BOX 1390  
TRENTON, N.J. 08625

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF THE COMMISSIONER  
TRENTON, N.J.

*D'Agostino*  
*05/15*

Permit No. 31-13457

PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.

31-32-798

Owner P & C Enterprises Driller D'Agostino Well Drilling, Inc.  
 Address R. D. #3, Box 322A Address R. D. #6, Landis Avenue  
Newfield, N. J. 08344 Bridgeton, N. J. 08302

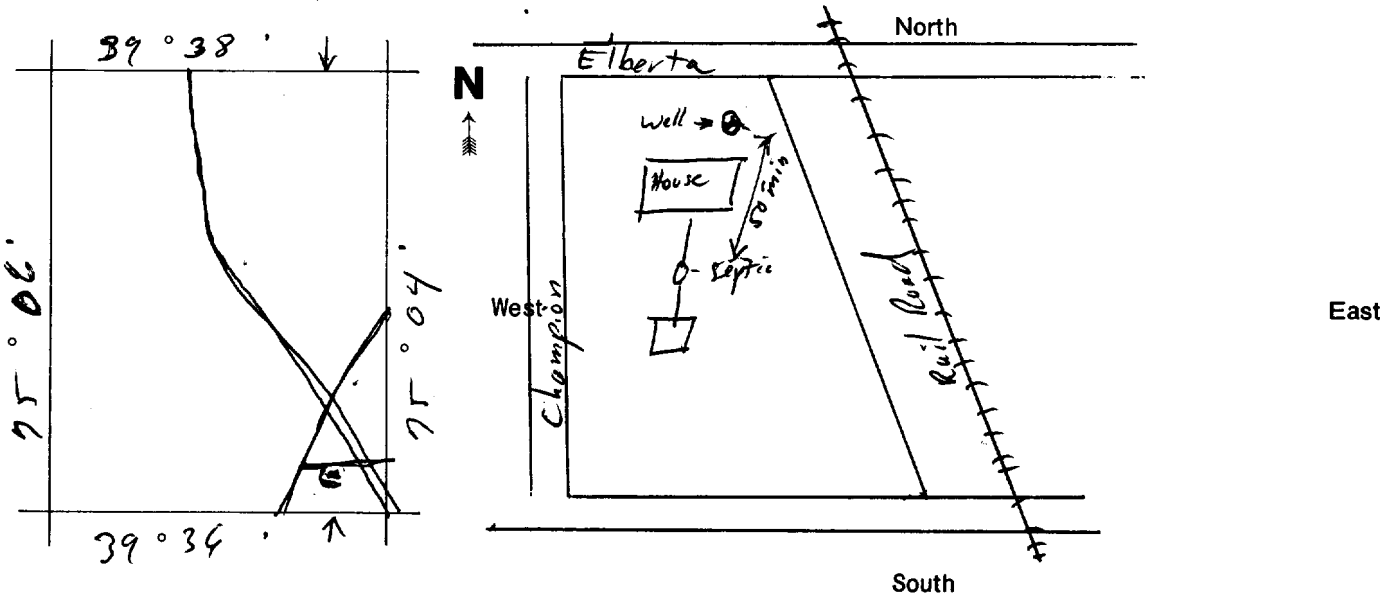
diameter of well <u>4</u> inches	proposed depth of well <u>60</u> feet	proposed capacity of pump <u>20</u> G.P.M.
method of drilling <u>Rotary</u> <small>(cable-tool, rotary, jet, etc.)</small>		use of well <u>Domestic</u> <small>(semi-public, domestic, industrial, public-supply, test, etc.)</small>

LOCATION OF WELL

lot # <u>1, 2, 3 &amp; 4</u>	block # <u>131</u>	municipality <u>Franklin Twp</u>	county <u>Gloucester</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_
- \_\_\_\_\_

This space for Approval Stamp

WELL PERMIT  
APPROVED

APR 25 1978

DEPT. OF ENVIRONMENTAL PROTECTION  
OFFICE OF THE COMMISSIONER  
KELLY B. BROWN  
STATE GEOLOGIST

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date April 25, 1978

Signature of Owner *William C. Pash*

Mail to  
**STATE GEOLOGIST**  
 P.O. BOX 2809  
 TRENTON, N.J. 08625

**STATE OF NEW JERSEY**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 OFFICE OF THE COMMISSIONER  
 TRENTON, N.J.

*John P. 5/15*

Permit No. 31-13520  
31-22-791

**PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.**

Owner JOHANNES GIRSANS Driller EMILE GARURO  
 Address 1230 KIRKWOOD DRIVE Address 988 N Mill Rd. VLD  
KIRKLAND N.J. 08360 N.J. 08360

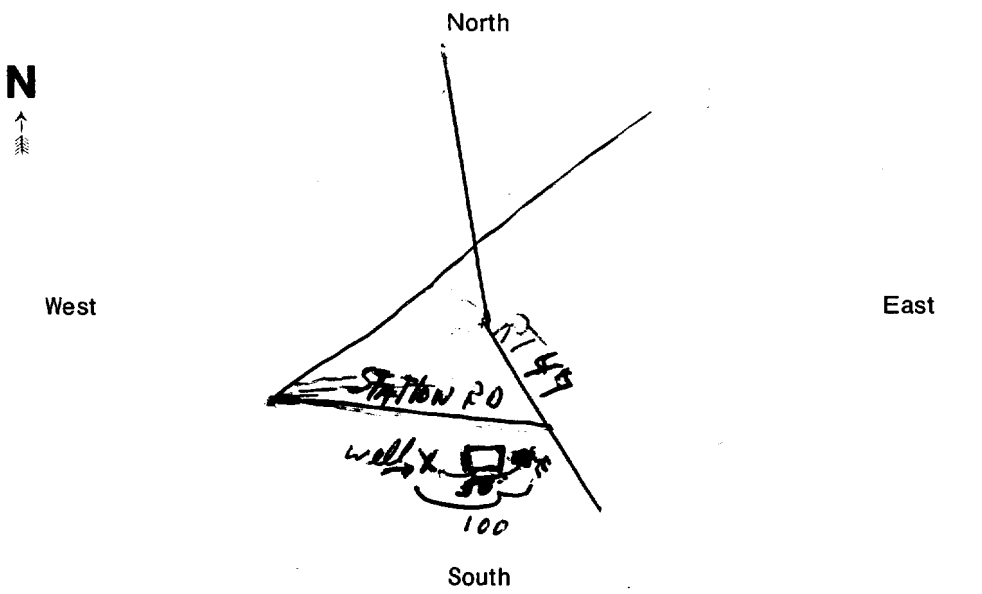
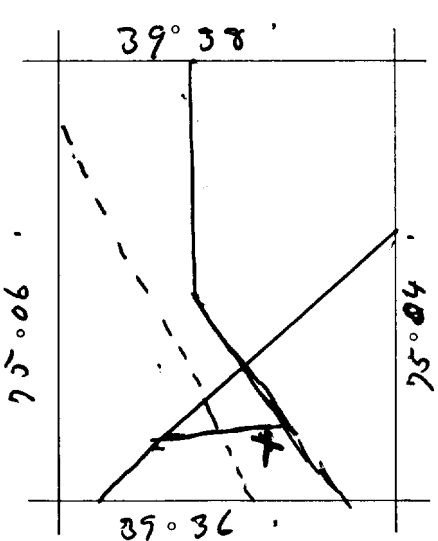
diameter of well <u>Two</u> inches	proposed depth of well <u>60 ft</u> feet	proposed capacity of pump <u>eight</u> G.P.M.
	method of drilling	use of well <u>DOMESTIC</u>
(cable-tool, rotary, jet, etc.)		(semi-public, domestic, industrial, public-supply, test, etc.)

**LOCATION OF WELL**

lot #	block #	municipality	county
<u>10</u>	<u>139</u>	<u>Franklin Twp.</u>	<u>GLoucester</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. ....



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

**WELL PERMIT  
APPROVED**

**MAY 15 1978**

DEPT. ENV. PROTECTION  
 OFF. OF THE COMM.  
 KENDLE WIDMER  
 STATE GEOLOGIST

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date May 4, 1978

Signature of Owner Johannes S. Girsans

Mail to

STATE GEOLOGIST

P.O. BOX 1390  
TRENTON, N.J. 08625

STATE OF NEW JERSEY

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF THE COMMISSIONER  
TRENTON, N.J.

Cancelled  
7/10/80  
Permit No. 31-13496

Deek 05/15

PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.

3142132

Owner Cow Home Builders (Hunter) Driller M. J. DeChamps  
Address 113 Stanton Ave, Franklin, NJ Address Michaels Lane, Pitman, NJ

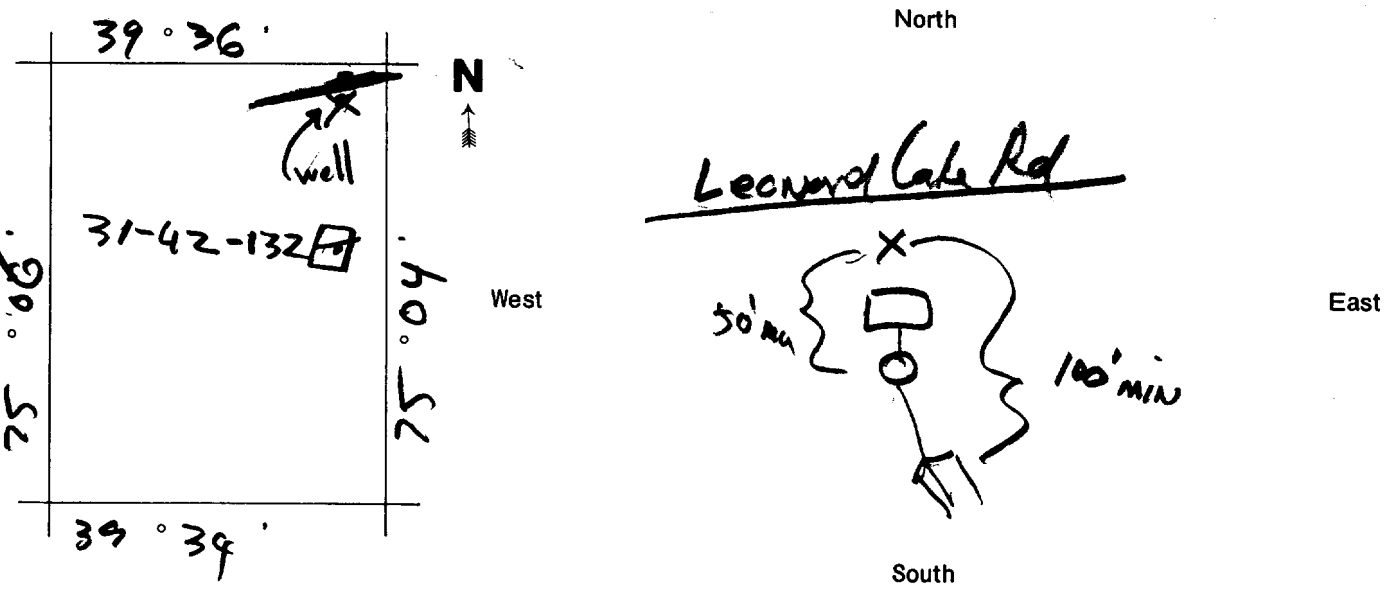
diameter of well inches	proposed depth of well feet	proposed capacity of pump 15 G.P.M.
method of drilling (cable-tool, rotary, jet, etc.)		use of well Domestic (semi-public, domestic, industrial, public-supply, test, etc.)

LOCATION OF WELL

lot #	block #	municipality	county
part of 5	149	Franklin	Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_
- \_\_\_\_\_

This space for Approval Stamp

WELL PERMIT  
APPROVED

APR 23 1978

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF THE COMMISSIONER  
STATE GEOLOGIST

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date \_\_\_\_\_

Signature of Owner \_\_\_\_\_

Mail to  
STATE GEOLOGIST  
P.O. BOX 2809  
TRENTON, N.J. 08625

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF THE COMMISSIONER  
TRENTON, N.J.

*John 05/15*

Permit No. 31-13626

PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.

3142212

Owner Hoffman Enterprises Inc. Driller Emile Gaburo  
Address P.O. Box 101 Address 988 N. Mill Rd.  
Franklinville, N.J. 08322 Vineland, N.J.

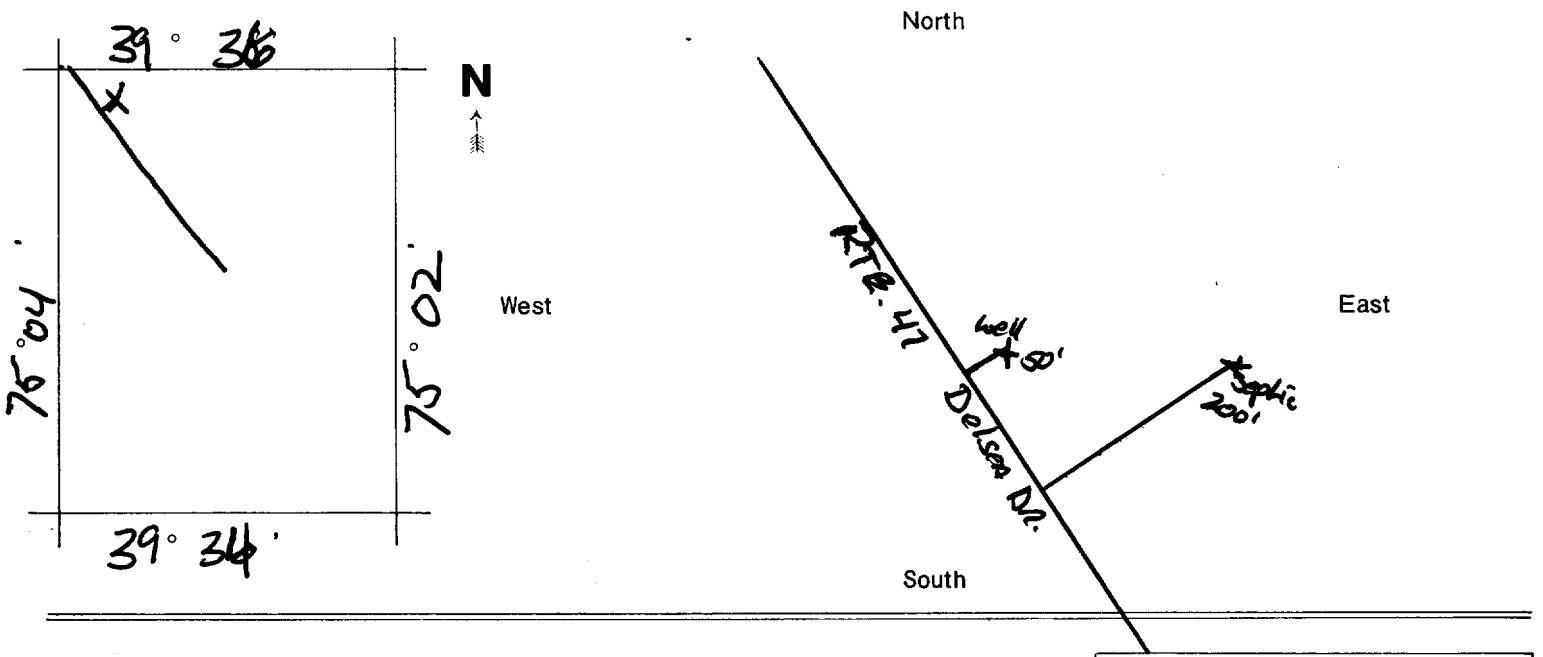
diameter of well <u>2</u> inches	proposed depth of well <u>50</u> feet	proposed capacity of pump <u>6</u> G.P.M.
method of drilling <u>Point Driven</u> <small>(cable-tool, rotary, jet, etc.)</small>		use of well <u>Domestic</u> <small>(semi-public, domestic, industrial, public-supply, test, etc.)</small>

LOCATION OF WELL

lot # <u>33B</u>	block # <u>65</u>	municipality <u>Franklin</u>	county <u>Gloucester</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

**WELL PERMIT  
APPROVED**

MAY 24 1978

DEPT. ENV. PROTECTION  
OFF. OF THE COMM.  
KEMBLE WIDMER  
STATE GEOLOGIST

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 5/23/78

Signature of Owner *[Signature]*

31-42-133

Skinner  
05/15

Application No. 31-9726

Mail to  
**STATE GEOLOGIST**  
P.O. BOX 1889  
TRENTON, N.J. 08625

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N. J.

Make Checks Payable to:  
BUREAU OF GEOLOGY & TOPOGRAPHY

**APPLICATION FOR PERMIT TO DRILL WELL**

Application must be accompanied by a legal fee of five dollars (\$5.00).

(Print or Type)

Owner Mrs Marie Jayne Driller Vance Skinner Company Inc  
Address Leonard Cake Rd Address P.O. Box 2  
Franklinville, N.J. Vineland, N.J. 08360

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well in  
1-A 15+ Franklin Twp. Gloucester Use of well Domestic  
lot # block # (municipality) (county) (semi-public, domestic, industrial, public supply, test, etc.)

Diameter of Well 4 inches Proposed Depth of Well 60 Feet

Proposed Capacity of Pump 20 G.P.M. Method of Drilling Rotary  
(cable-tool, rotary, jet, etc.)

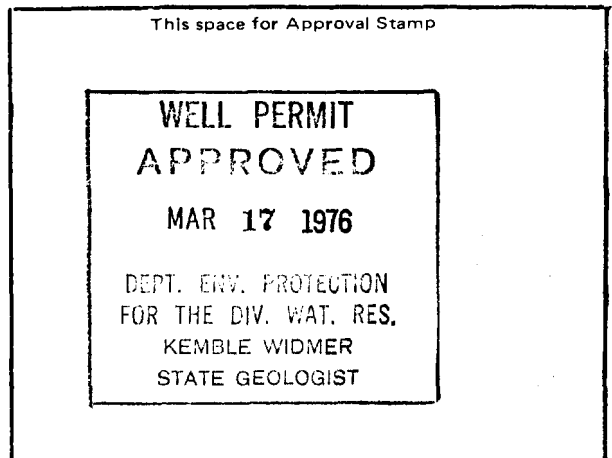
Show Location on Back of this Sheet.

Date 3-8-76 Signature of Owner Marie Jayne

1. The issuance of a permit to drill this well conveys no rights, either expressed or implied, to divert water.
2. If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Division.
3. In the event this well is abandoned, the Owner will assume full responsibility for plugging or sealing it in the manner satisfactory to the Division, in accordance with provisions of R. S. 58:4A-4.1.
4. A permit to drill this well will be valid for one year from date of approval.
5. If this well is to be used for domestic or semi-public supply it must be constructed in accordance with provisions of "Standards for the Construction of Water Supply Systems for Realty Improvements (Revised 1966)" and be approved by the local Board of Health.

(3)

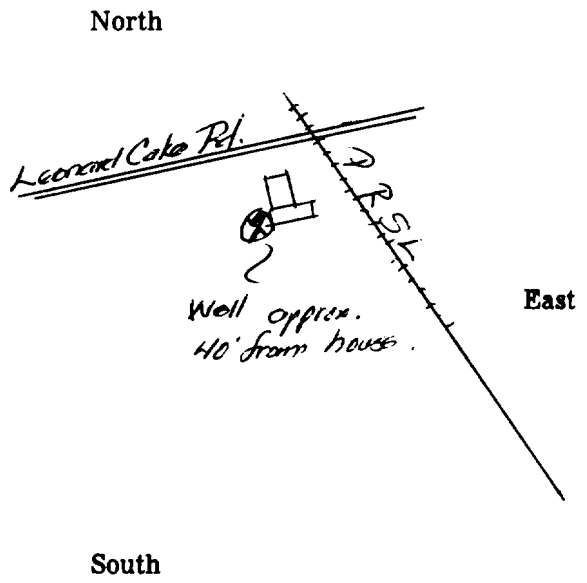
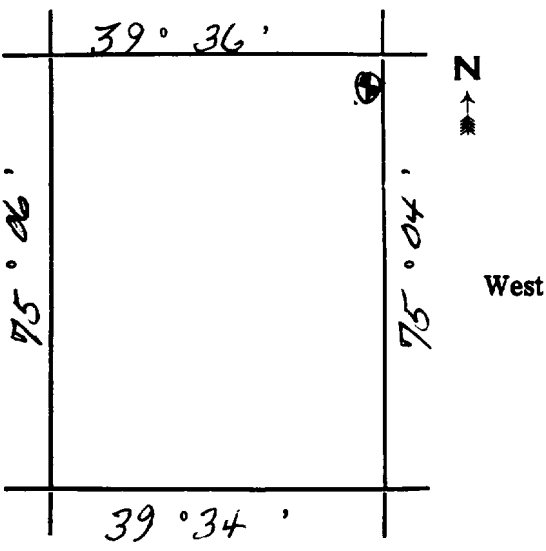
- Samples of cuttings required every .....
- No samples of cuttings required



**LOCATION OF WELL**

Draw sketch showing distance and relations of well site to nearest public roads, streets, etc.

State Atlas Map No. 31



STATE OF NEW JERSEY

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N. J.

Application No. 31-10,709

Make Checks Payable to  
BUREAU OF GEOLOGY & TOPOGRAPHY

Mail to  
STATE GEOLOGIST  
P.O. BOX 1889  
TRENTON, N.J. 08625

APPLICATION FOR PERMIT TO DRILL WELL

Application must be accompanied by a legal fee of five dollars (\$5.00).

(Print or Type)

Owner James Falisi Driller M. J. Dechamps #1065  
Address Leonard Cake Road Address Michael's Lane  
Franklin Township, N. J. Pitman, N. J. 08071

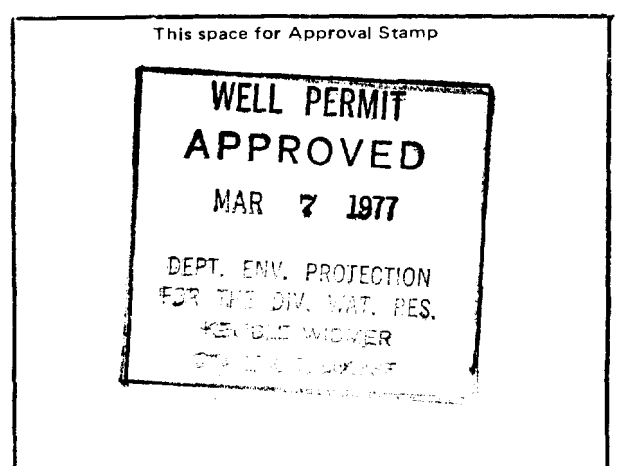
In compliance with R. S. 58:4A-14, application is made for a permit to drill a well in

8 97A Franklin Gloucester Use of well Domestic  
lot # block # (municipality) (county) (semi-public, domestic, industrial, public supply, test, etc.)  
Diameter of Well 1 1/4" inches Proposed Depth of Well 50 Feet  
Proposed Capacity of Pump 7 G.P.M. Method of Drilling Bored  
(cable-tool, rotary, jet, etc.)

Show Location on Back of this Sheet.

Date 3-2-77 Signature of Owner James Falisi

- 1. The issuance of a permit to drill this well conveys no rights, either expressed or implied, to divert water.
- 2. If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Division.
- 3. In the event this well is abandoned, the Owner will assume full responsibility for plugging or sealing it in the manner satisfactory to the Division, in accordance with provisions of R. S. 58:4A-4.1.
- 4. A permit to drill this well will be valid for one year from date of approval.
- 5. If this well is to be used for domestic or semi-public supply it must be constructed in accordance with provisions of "Standards for the Construction of Water Supply Systems for Realty Improvements (Revised 1966)" and be approved by the local Board of Health.



- Samples of cuttings required every \_\_\_\_\_
- No samples of cuttings required

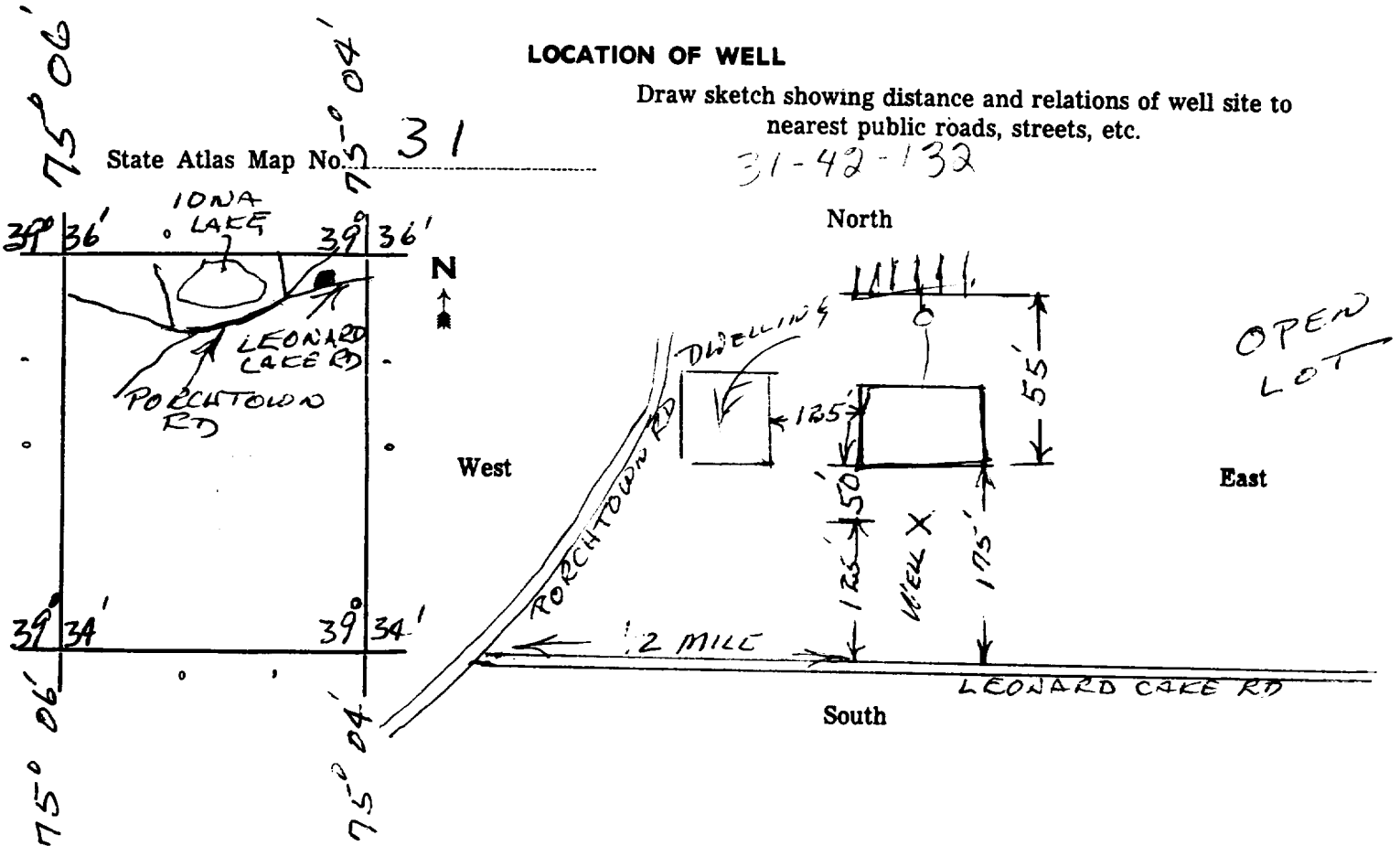
RECEIVED  
 MAR 7 10 54 AM '77  
 GEOLOGY  
 AND  
 TOPOGRAPHY

**LOCATION OF WELL**

Draw sketch showing distance and relations of well site to nearest public roads, streets, etc.

31-42-132

State Atlas Map No. 31





05/5

Permit No. 31-15477  
 31-32-793

**PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.**

Owner: JOSEPH P. WEISS Driller: M. J. DECHARMS #1065  
 Address: 403 BILLINGSPORT RD Address: MICHAELS LANE  
PAULSBORO, N.J. 08066 PITMAN, N.J. 08071

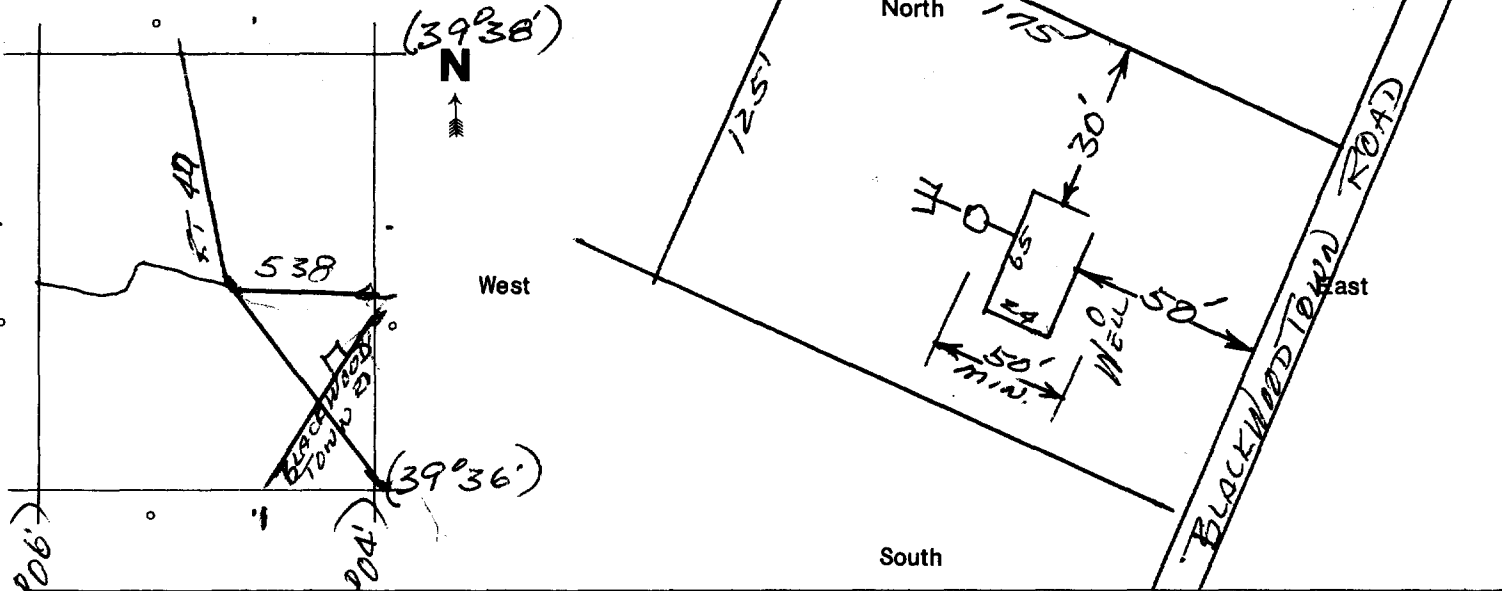
diameter of well <u>2</u> inches	proposed depth of well <u>50</u> feet	proposed capacity of pump <u>12</u> G.P.M.
method of drilling <u>BORED</u> (cable-tool, rotary, jet, etc.)		use of well <u>DOMESTIC</u> (semi-public, domestic, industrial, public-supply, test, etc.)

**LOCATION OF WELL**

lot # <u>P10 9</u>	block # <u>66</u>	municipality <u>FRANKLIN</u>	county <u>GLD</u>
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State Atlas Map No. 31 TWP

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

WELL PERMIT  
 APPROVED

APR 2 1979

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 OFFICE OF THE COMMISSIONER  
 KEMBLE WIDMER  
 STATE GEOLOGIST

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date \_\_\_\_\_

Signature of Owner Joseph P. Weiss

*Robb 05/15*

Application No. 31-10,965  
31-42-132

Mail to  
**STATE GEOLOGIST**  
P.O. BOX 1889  
TRENTON, N.J. 08625

**STATE OF NEW JERSEY**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N. J.

Make Checks Payable to:  
**BUREAU OF GEOLOGY & TOPOGRAPHY**

**APPLICATION FOR PERMIT TO DRILL WELL**

Application must be accompanied by a legal fee of five dollars (\$5.00).

(Print or Type)

Owner Mike L. James Driller Robbins Bros.  
Address Triumph Rd. Address 36 Lakeview Dr.  
Franklinville NJ Gibbsboro, N. J.

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well in

12-14 129 Franklin Gloucester Use of well domestic  
lot # block # (municipality) (county) (semi-public, domestic, industrial, public supply, test, etc.)

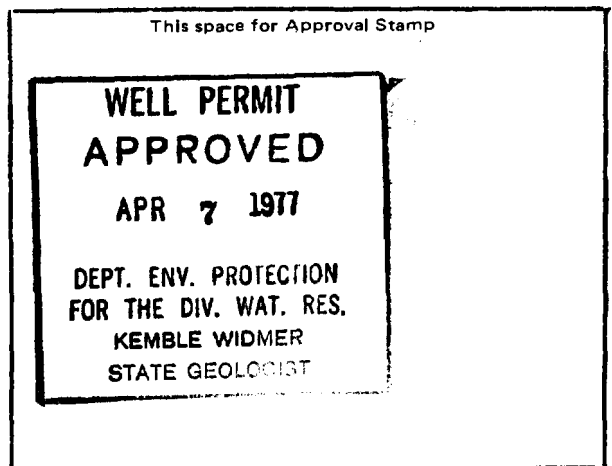
Diameter of Well 4 inches Proposed Depth of Well 50 Feet  
Proposed Capacity of Pump 10 G.P.M. Method of Drilling C-T  
(cable-tool, rotary, jet, etc.)

Show Location on Back of this Sheet.

Date 4/4/77 Signature of Owner Mike James

1. The issuance of a permit to drill this well conveys no rights, either expressed or implied, to divert water.
2. If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Division.
3. In the event this well is abandoned, the Owner will assume full responsibility for plugging or sealing it in the manner satisfactory to the Division, in accordance with provisions of R. S. 58:4A-4.1.
4. A permit to drill this well will be valid for one year from date of approval.
5. If this well is to be used for domestic or semi-public supply it must be constructed in accordance with provisions of "Standards for the Construction of Water Supply Systems for Realty Improvements (Revised 1966)" and be approved by the local Board of Health.

- Samples of cuttings required every .....
- No samples of cuttings required

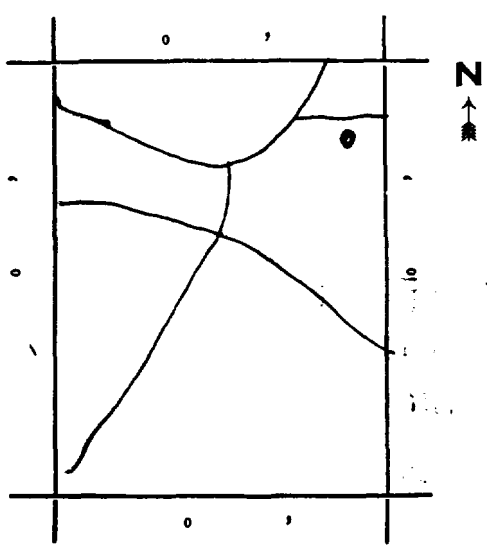


RECEIVED  
APR 7 10 35 AM '77  
GEOLOGY  
AND  
TOPOGRAPHY

**LOCATION OF WELL**

Draw sketch showing distance and relations of well site to nearest public roads, streets, etc.

State Atlas Map No. 31



North  
75°  
06'

West  
39°  
36'

North  
75°  
04'

39°  
34'

East

South

Mail to  
**STATE GEOLOGIST**  
P.O. BOX 1889  
TRENTON, N.J. 08625

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N. J.

*Deck 02/15*  
31-31-793  
Application No. 31-11,156

Make Checks Payable to:  
BUREAU OF GEOLOGY & TOPOGRAPHY

**APPLICATION FOR PERMIT TO DRILL WELL**

Application must be accompanied by a legal fee of five dollars (\$5.00).

(Print or Type)

Owner A. J. Saia Driller M. J. Dechamps #1065  
Address R. D. 1 Box 416 Address Michael's Lane  
Glassboro, N. J. 08028 Pitman, N. J. 08071

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well in

8 66 Franklin Twp. Gloucester Use of well Tap room  
lot # block # (municipality) (county) (semi-public, domestic, industrial, public supply, test, etc.)  
Diameter of Well 2 inches Proposed Depth of Well 35 Feet  
Proposed Capacity of Pump 20 G.P.M. Method of Drilling Bored  
(cable-tool, rotary, jet, etc.)

Show Location on Back of this Sheet.

Date 4-13-77 Signature of Owner Loretta Saia

1. The issuance of a permit to drill this well conveys no rights, either expressed or implied, to divert water.
2. If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Division.
3. In the event this well is abandoned, the Owner will assume full responsibility for plugging or sealing it in the manner satisfactory to the Division, in accordance with provisions of R. S. 58:4A-4.1.
4. A permit to drill this well will be valid for one year from date of approval.
5. If this well is to be used for domestic or semi-public supply it must be constructed in accordance with provisions of "Standards for the Construction of Water Supply Systems for Realty Improvements (Revised 1966)" and be approved by the local Board of Health.

This space for Approval Stamp

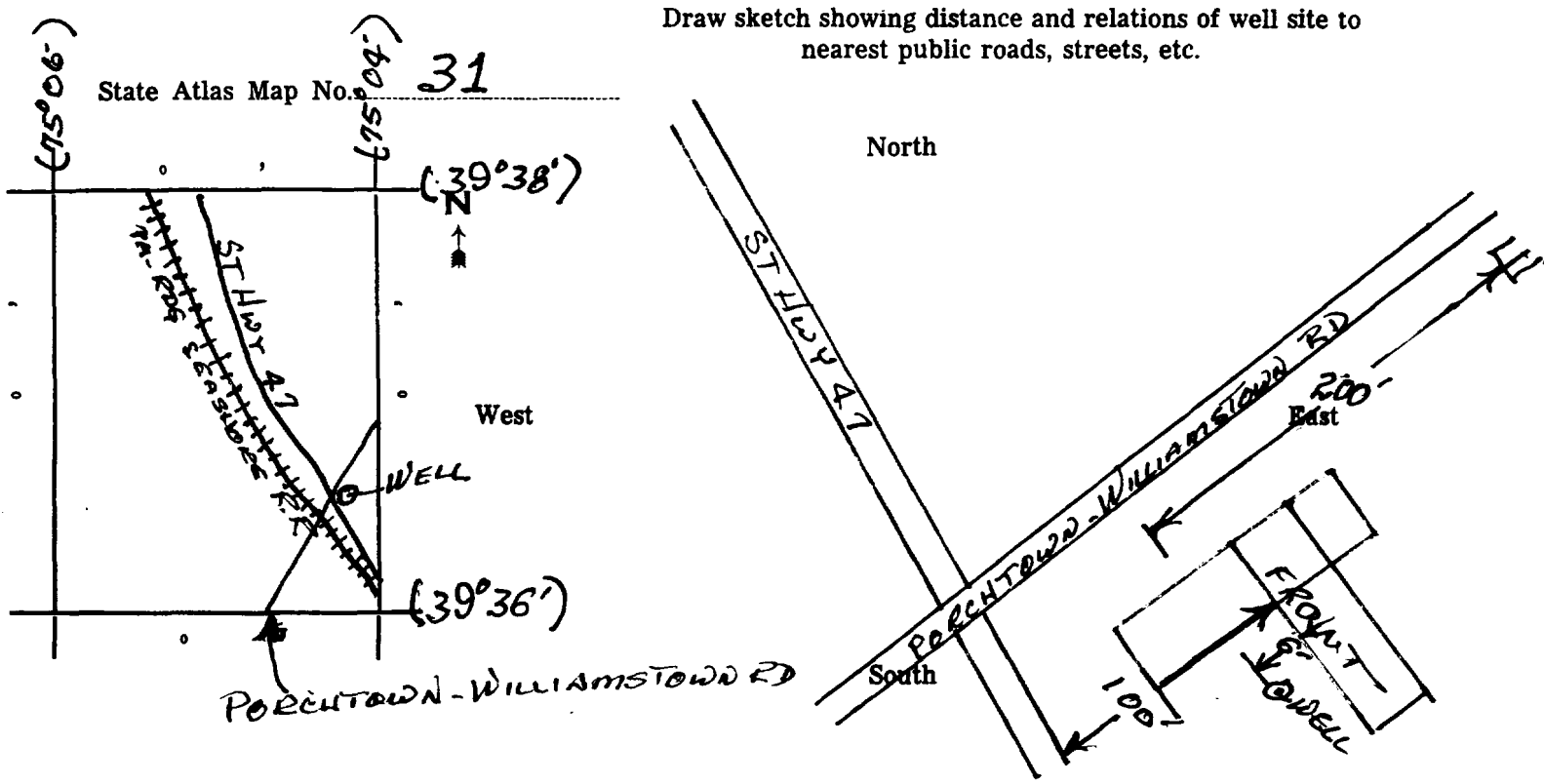
WELL PERMIT  
APPROVED  
MAY 2 1977  
DEPT. ENV. PROTECTION  
FOR THE DIV. WAT. RES.  
KEMBLE WDMER  
STATE GEOLOGIST

- Samples of cuttings required every .....
- No samples of cuttings required

RECEIVED  
 APR 22 9 24 AM '77  
 GEOLOGY  
 AND  
 TOPOGRAPHY

**LOCATION OF WELL**

Draw sketch showing distance and relations of well site to nearest public roads, streets, etc.



**PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.**

31-32-796 □

Owner DOMINIC DI PIETRO Driller M. J. DELHAMS  
 Address RD-3 BOX 697 Address MICHAELS LANE  
FRANKLINVILLE N.J. PITMAN, N.J. 08071

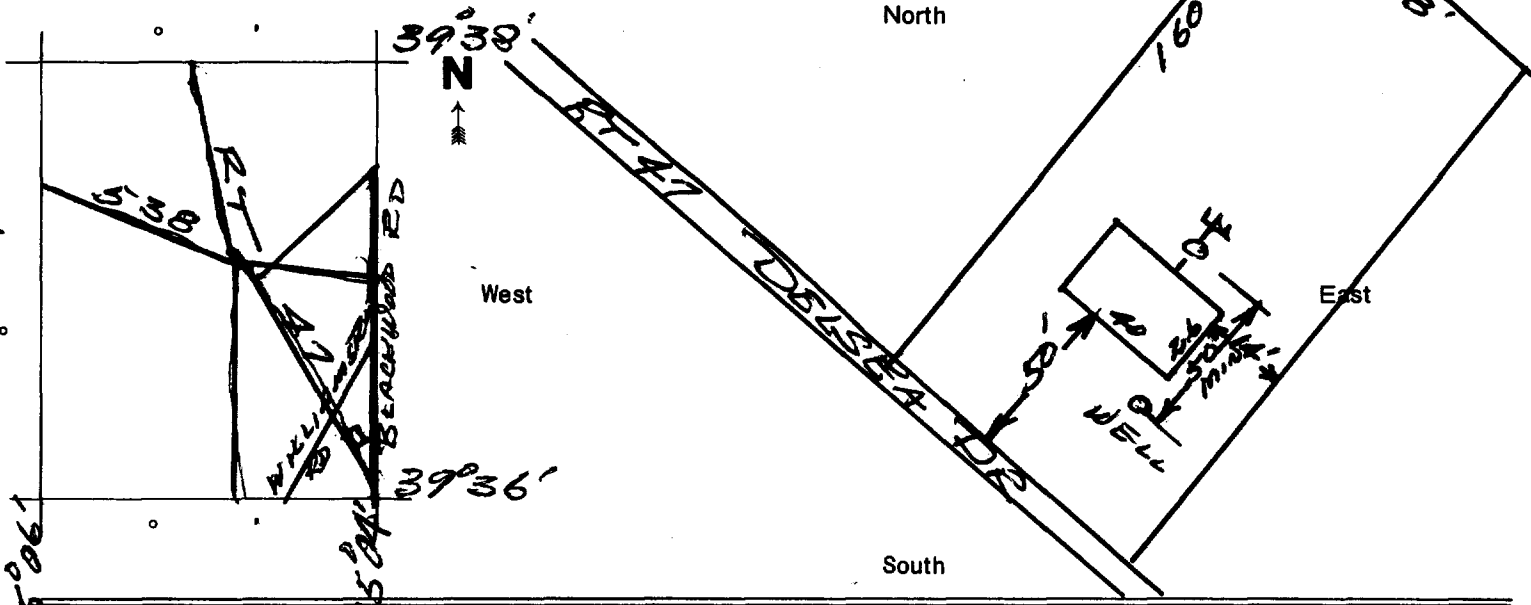
diameter of well <u>7</u> inches	proposed depth of well <u>60</u> feet	proposed capacity of pump <u>10</u> G.P.M.
method of drilling <u>BORED</u> (cable-tool, rotary, jet, etc.)		use of well <u>DOMESTIC</u> (semi-public, domestic, industrial, public supply, test, etc.)

**LOCATION OF WELL**

lot # <u>10A</u>	block # <u>137</u>	municipality <u>FRANKLINVILLE</u>	county <u>GLD</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

**WELL PERMIT APPROVED**

**AUG 13 1979**

DEPT. ENV. PROTECTION  
 OFF. OF THE COMM.  
 KIMBLE WIDMER  
 STATE GEOLOGIST

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date \_\_\_\_\_ Signature of Owner X Helen Di Pietro

Mall to  
**STATE GEOLOGIST**  
 P.O. BOX 1390  
 TRENTON, N.J. 08625

**STATE OF NEW JERSEY**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 OFFICE OF THE COMMISSIONER  
 TRENTON, N.J.

Permit No. 31-16392

**PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.**

31 32793

Owner JAMES SICKLE Driller JACK QUINLAN  
 Address 357 N BROAD ST Address EAST LANDIS AVENUE  
CLAYTON VINELAND N.J.

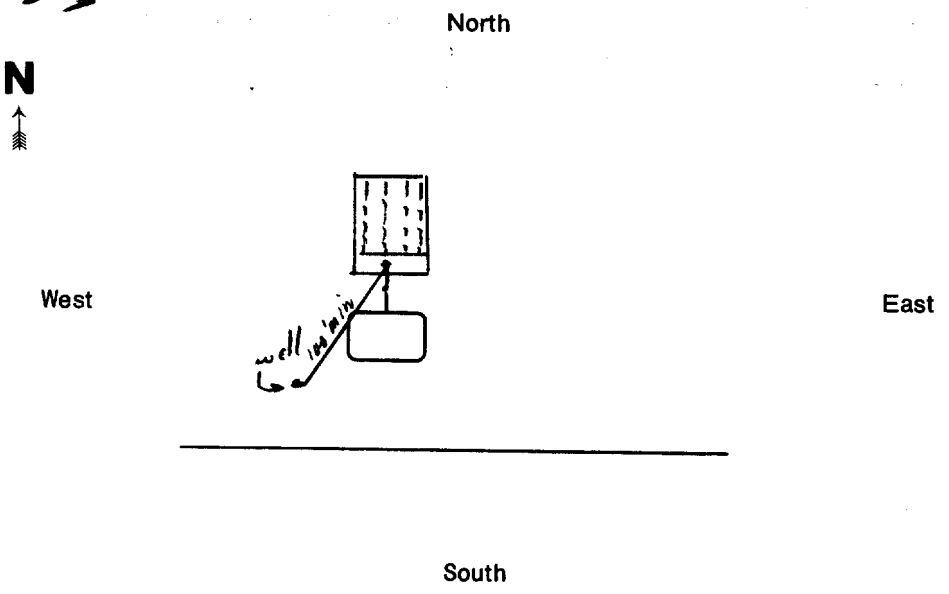
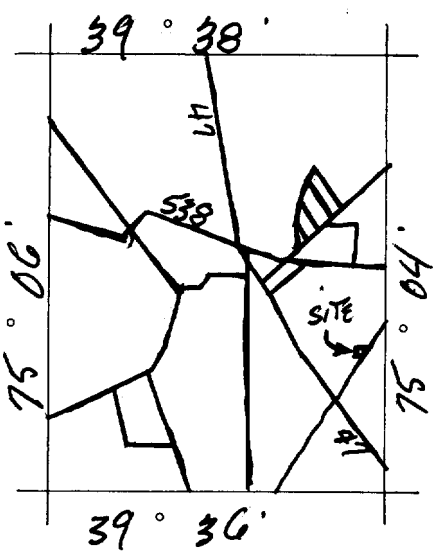
diameter of well <u>2"</u> inches	proposed depth of well <u>85</u> feet	proposed capacity of pump G.P.M.
method of drilling <u>AUGER</u> (cable-tool, rotary, jet, etc.)		use of well <u>DOMESTIC</u> (semi-public, domestic, industrial, public-supply, test, etc.)

**LOCATION OF WELL**

lot #	block #	municipality	county
<u>110</u>	<u>64H</u>	<u>FRANKLIN</u>	<u>GLouceSTER</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31.32.793+



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

**WELL PERMIT  
APPROVED**

**OCT 30 1979**

DEPT. ENV. PROTECTION  
 OFF. OF THE COMM.  
 KEMBLE WIDMER  
 STATE GEOLOGIST

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date \_\_\_\_\_

Signature of Owner James F. Sickle Sr.

Mail to  
**STATE GEOLOGIST**  
 P.O. BOX 1390  
 TRENTON, N.J. 08625

**STATE OF NEW JERSEY**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 OFFICE OF THE COMMISSIONER  
 TRENTON, N.J.

*Cancelled*  
 FEB 27 1980  
 Permit No. 31-16401

**PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.**

31-32-798

Owner SUSAN HAHN Driller M. J. DECHAMPS  
 Address 45 W. CLINTON ST Address MICHAELS LANE  
CLAYTON N.J. PITMAN N.J. 08071

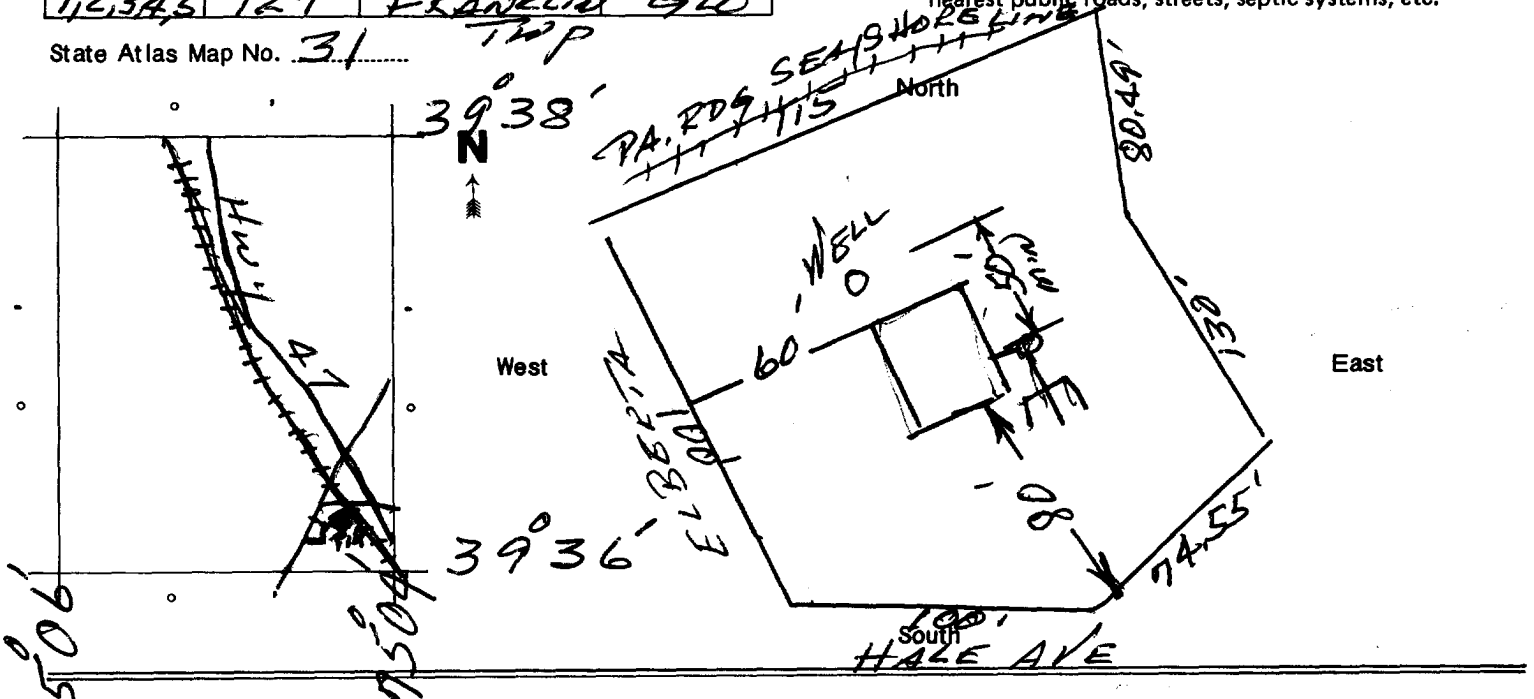
diameter of well <u>2</u> inches	proposed depth of well <u>60</u> feet	proposed capacity of pump <u>10</u> G.P.M.
method of drilling <u>BORED</u> (cable-tool, rotary, jet, etc.)		use of well <u>DOMESTIC</u> (semi-public, domestic, industrial, public-supply, test, etc.)

**LOCATION OF WELL**

lot # <u>1,2,3,4,5</u>	block # <u>127</u>	municipality <u>Franklin</u>	county <u>GLD</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

**WELL PERMIT APPROVED**

NOV 2 1979

DEPT. ENV. PROTECTION  
 OFF. OF THE COMM.  
 KENNETH HUNTER  
 STATE GEOLOGIST

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 10/30/79

Signature of Owner Susan Hahn



**PERMIT TO DRILL WELL** VALID ONLY AFTER APPROVAL BY THE D.E.P. 31-32-877

Owner Hoffman Enterprises Inc. Driller Emile Gaburo  
 Address P.O. Box 101 Address 988 N. Mill Rd.  
Franklinville, N.J. Vineland, N.J.

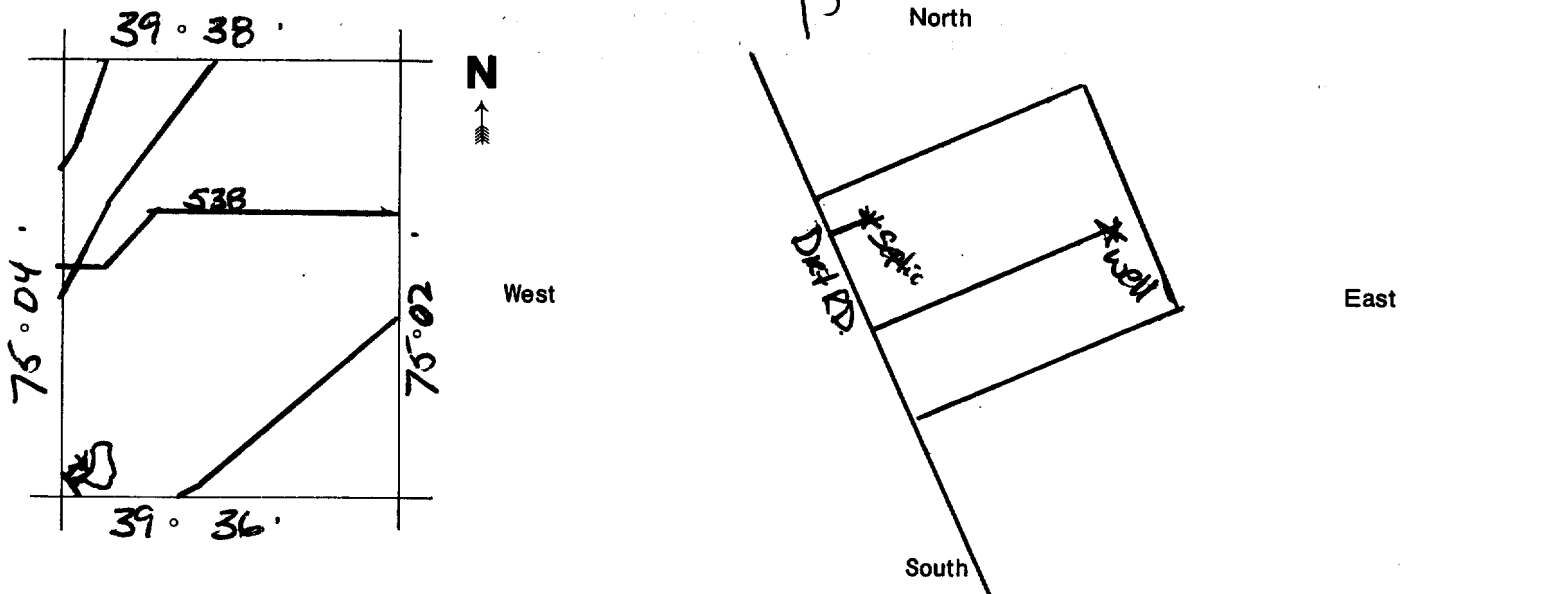
diameter of well <u>2</u> inches	proposed depth of well <u>50 (MIN)</u> feet	proposed capacity of pump <u>10</u> G.P.M.
method of drilling <u>Augered</u> <small>(cable-tool, rotary, jet, etc.)</small>		use of well <u>Domestic</u> <small>(semi-public, domestic, industrial, public-supply, test, etc.)</small>

**LOCATION OF WELL**

lot # <u>30</u>	block # <u>65</u>	municipality <u>Franklin</u>	county <u>Gloucester</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

**WELL PERMIT**  
**APPROVED**

**MAY 6 1980**

DEPT. ENV. PROTECTION  
 DIV. OF WATER RESOURCES  
 WATER ALLOCATION

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date \_\_\_\_\_ Signature of Owner Emile Gaburo for Hoffman Ent. Inc.

**PERMIT TO DRILL WELL** VALID ONLY AFTER APPROVAL BY THE D.E.P. 31-32-798

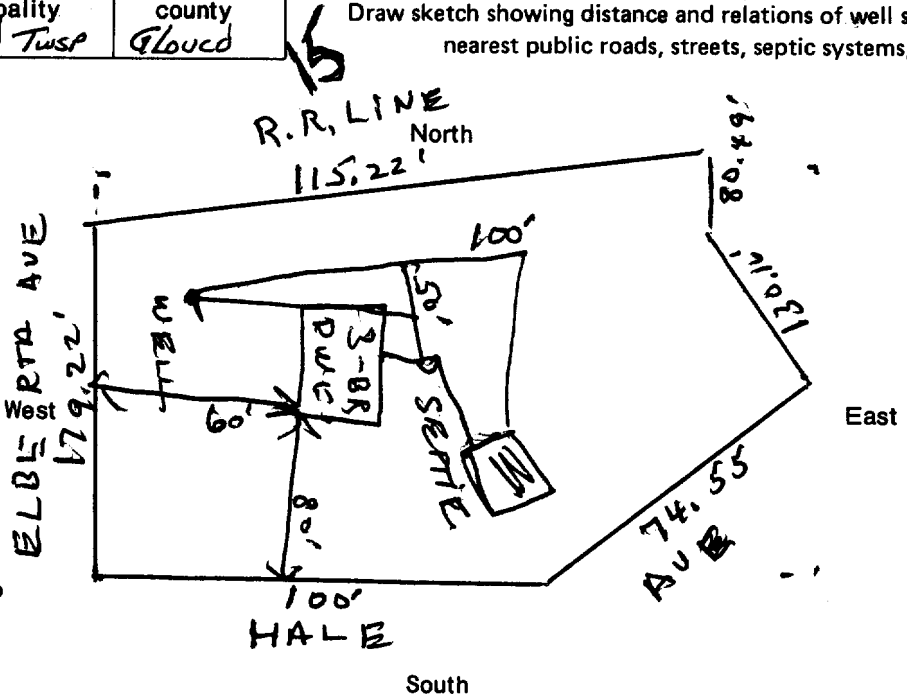
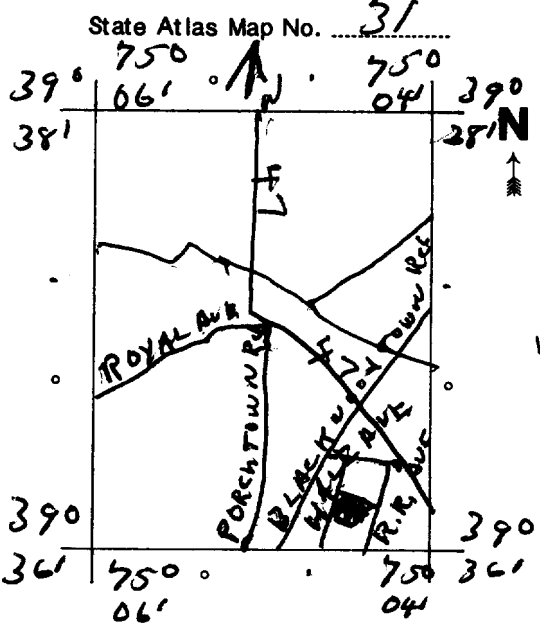
Owner SUSAN HAHN Driller Vic Ruggiano  
 Address 45 W. CLINTON ST. Address 390 Tuckahoe RD  
CLAYTON NJ 08312 Williamstown NJ 08094

diameter of well <u>2</u> inches	proposed depth of well <u>50</u> feet	proposed capacity of pump <u>9</u> G.P.M.
method of drilling <u>AUGER</u>		use of well <u>DOMESTIC</u>
<small>(cable-tool, rotary, jet, etc.)</small>		<small>(semi-public, domestic, industrial, public-supply, test, etc.)</small>

**LOCATION OF WELL**

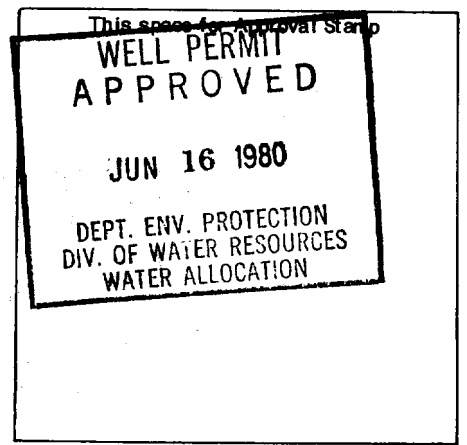
lot # <u>1,2,3,4,5</u>	block # <u>127</u>	municipality <u>FRANKLIN TWP</u>	county <u>Glouco</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_



In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 6/4/80 Signature of Owner Susan E. Hahn

Mail to  
**STATE GEOLOGIST**  
 P.O. BOX 1390  
 TRENTON, N.J. 08625

**STATE OF NEW JERSEY**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 OFFICE OF THE COMMISSIONER  
 TRENTON, N.J.

Permit No. 31-16982

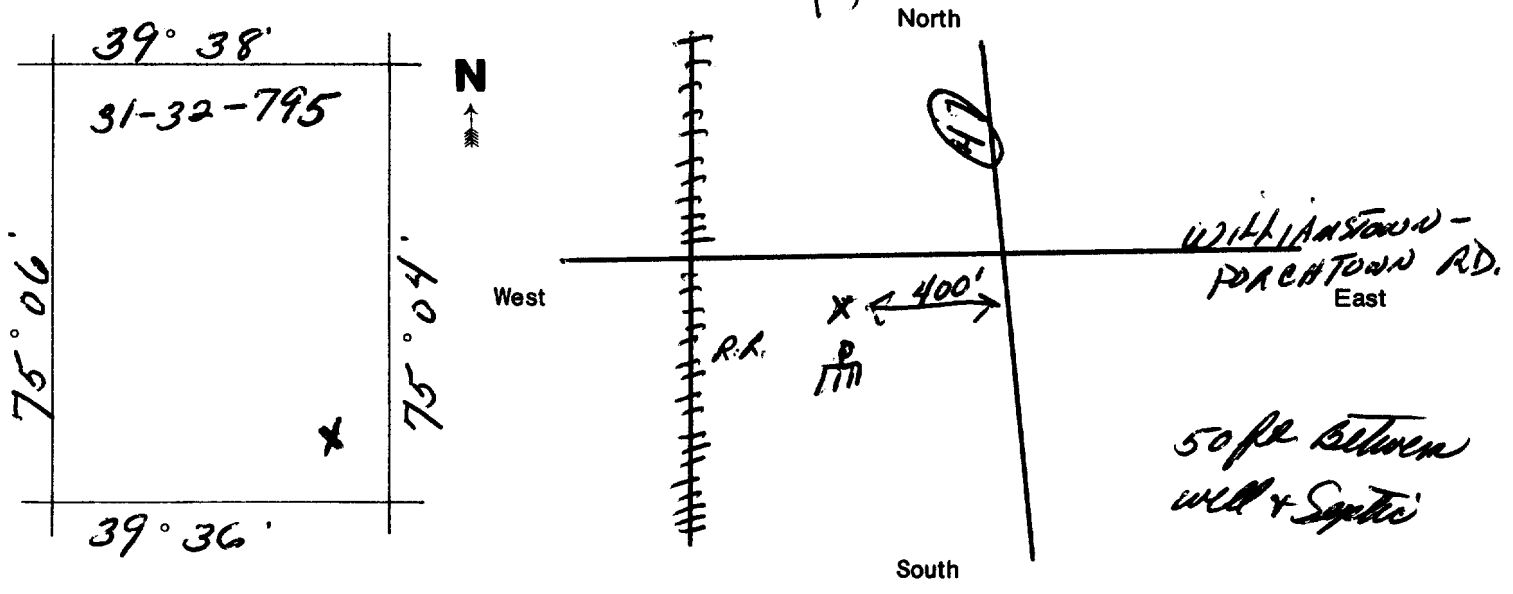
**PERMIT TO DRILL WELL** VALID ONLY AFTER APPROVAL BY THE D.E.P.

3132-795

Owner NICK ANDREACCHIO Driller JAMES C. MESIANO  
 Address 424 E. ~~CLAYTON~~ CENTER ST. Address R.D.#5 Box 60  
CLAYTON, N.J. WILLIAMSTOWN, N.J.

diameter of well <u>2</u> inches	proposed depth of well <u>60</u> feet	proposed capacity of pump <u>10</u> G.P.M.
method of drilling <u>AUGERED</u> (cable-tool, rotary, jet, etc.)		use of well <u>DOMESTIC</u> (semi-public, domestic, industrial, public-supply, test, etc.)

lot # <u>1-A</u>	block # <u>97C</u>	municipality <u>FRANKLIN</u>	county <u>GLoucester</u>	Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.
State Atlas Map No. <u>31</u>				



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

**WELL PERMIT**  
 DEPT. ENVIRONMENTAL PROTECTION  
 DIVISION OF WATER RESOURCES

**JUN 30 1980**  
**JUN 30 1980**

DEPT. ENV. PROTECTION  
 DIV. OF WATER RESOURCES  
 WATER ALLOCATION

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 6-26-80 Signature of Owner Nick Andreacchio

Mail to

Water Allocation

CN-029

Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

DELS

Owner RICHARD R. TOZOUR

Driller GEORGE MAYERS

Address 247 W. MERCER AVE

Address RT 3 BOX 93

SEWELL, N.J. 08080

SEWELL N.J. 08080

Name of Facility CORNERSTONE BIBLE CH.

Diameter of Well 4 Inches

Proposed Depth of Well 100' M/L Feet

Address C/O ABOVE

Proposed Capacity of Pump 12 G.P.M.

Method of Drilling (cable-tool, rotary, etc.)

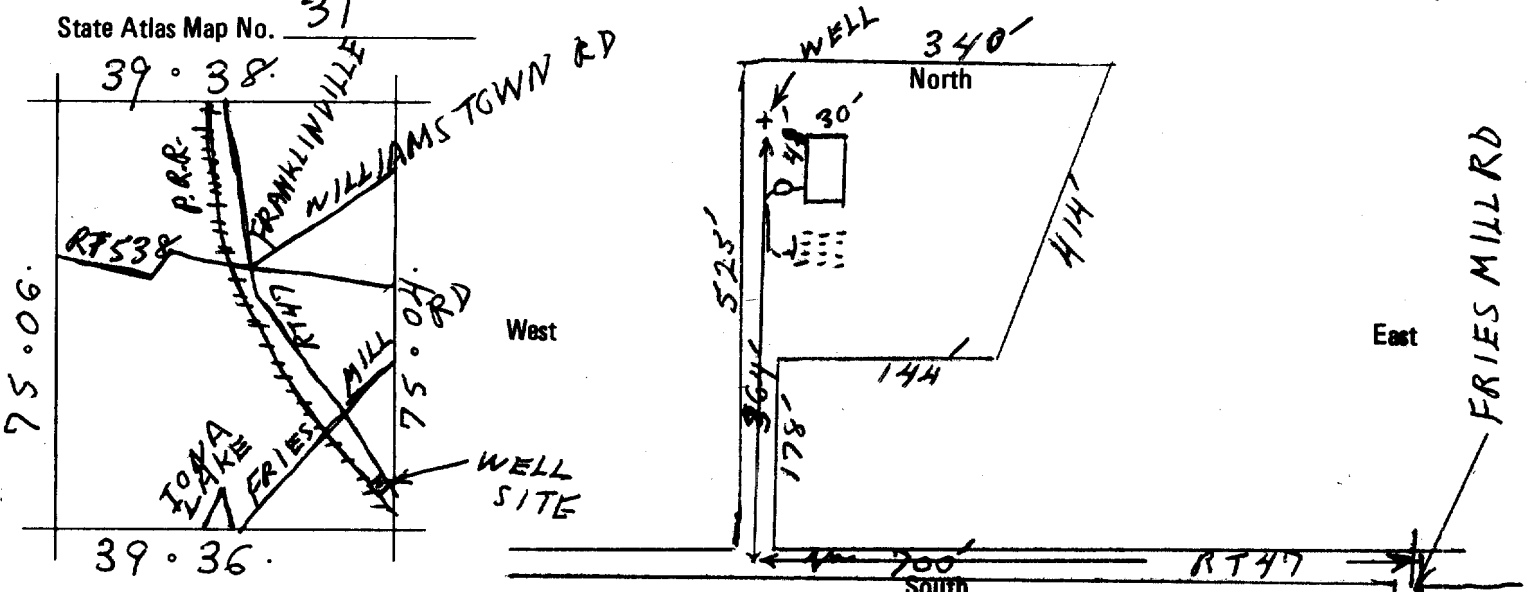
Use of Well (See Reverse).  
SEMI-PUBLIC (CHURCH)

LOCATION OF WELL

Lot# FO-1-B Block# 988 Municipality FRANKLIN County GLOUCESTER

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc. 100'

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et. seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

**WELL PERMIT  
APPROVED**

SEP 6 1984

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 9/1/84

Signature of Owner

Richard Tozour

**PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.**

Owner Mr. Barrett Driller Al Pierson M.J. Dechamps, Inc.

Address Box 400 Blackwoodtown Rd. Address Michaels Lane  
Franklinville, NJ 08322 Pitman, NJ 08071

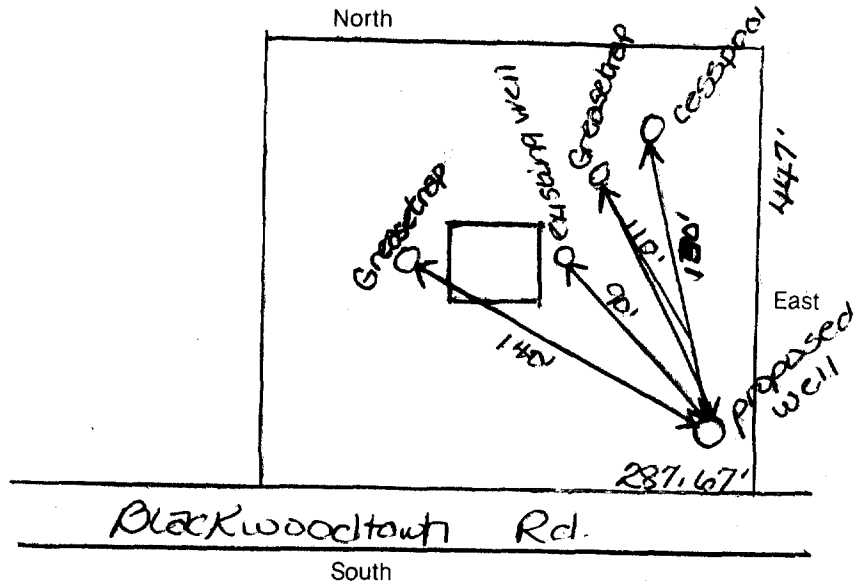
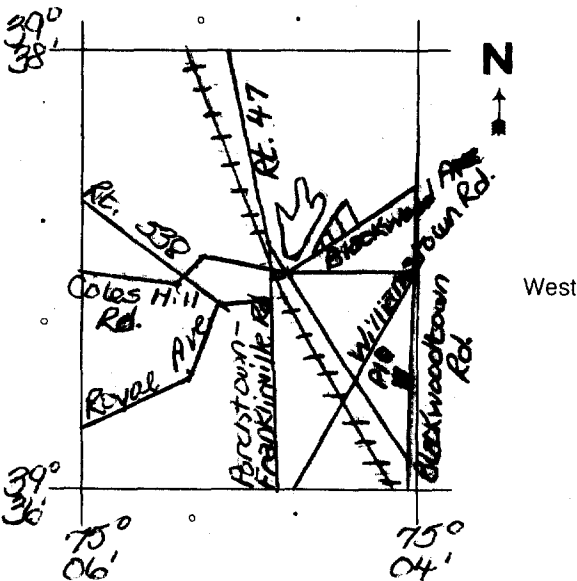
diameter of well 4" PVC inches	proposed depth of well 90' feet	proposed capacity of pump 15 G.P.M.
method of drilling rotary (cable-tool, rotary, jet, etc.)		use of well Domestic/replacement (semi-public, domestic, industrial, public-supply, test, etc.)

**LOCATION OF WELL**

lot #	block #	municipality	county
6C	66	Franklin Twp.	Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

WATER ALLOCATION  
APPROVAL

NOV 14 1984

DEPT. OF ENVIRONMENTAL PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date November 7, 1984

Signature of Owner Mr. Barrett

31,32-795

Permit No. 31-22634

Mail to

Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Owner Progressive Fuel Co., Inc.  
Address Box 278 S. Delsea Dr.  
Franklinville, NJ 08322

Driller D'Agostino Well Drilling, Inc.  
Address RR#8, Box 122, Landis Ave.  
Bridgeton, NJ 08302

Name of Facility \_\_\_\_\_  
Address \_\_\_\_\_

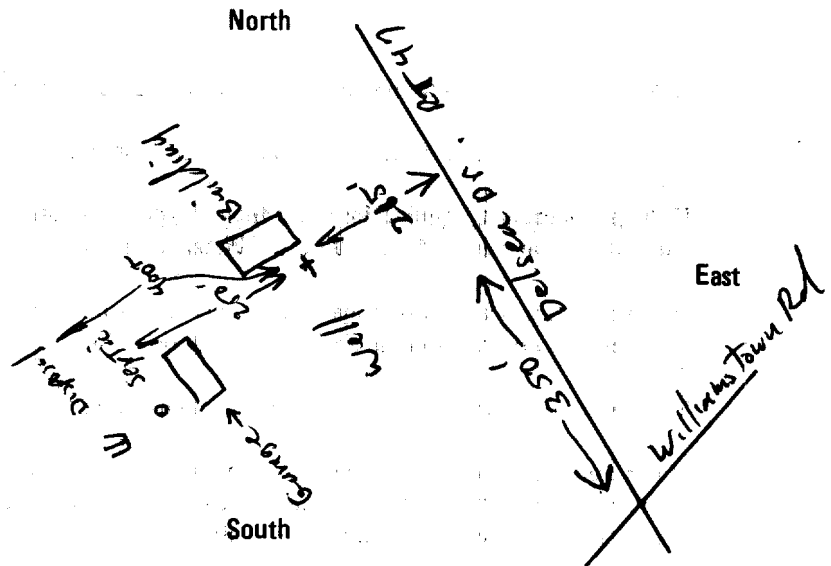
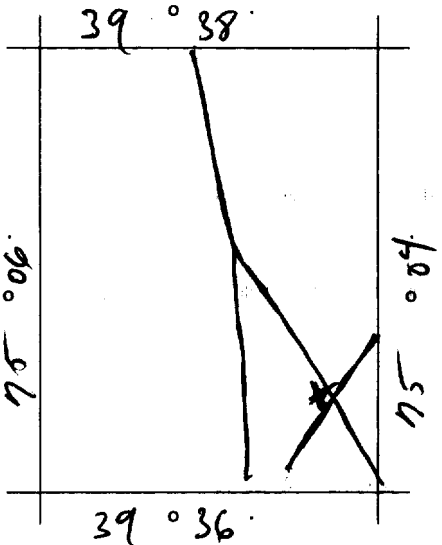
Diameter of Well	4	Inches	Proposed Depth of Well	100	Feet
Proposed Capacity of Pump	25	GPM	Method of Drilling	(cable-tool, rotary, etc.) Rotary	
Use of Well (See Reverse)			Domestic - Replacement		

LOCATION OF WELL

Lot #	Block #	Municipality	County
2	93	Franklin	Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

**WELL PERMIT  
APPROVED**

**FEB 20 1985**

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date February 12, 1985

Signature of Owner [Signature]

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-22819

Mail to

Water Allocation

CN-029

Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31,32,791

Owner DAM BUILDERS

Driller VIC RUGGIANO

Address ROZ BOX 6 RTE 47

Address 393 A TUCKAHOE RD

FRANKLINVILLE NJ 08322

WILLIAMSTOWN NJ 08044

Name of Facility ALVARADO

Diameter of Well <u>2 Inches</u>	Proposed Depth of Well <u>50 Feet</u>
Proposed Capacity of Pump <u>9 G.P.M.</u>	Method of Drilling (cable-tool, rotary, etc.) <u>Auger</u>
Use of Well (See Reverse) <u>DOMESTIC</u>	

Address ROUTE 612

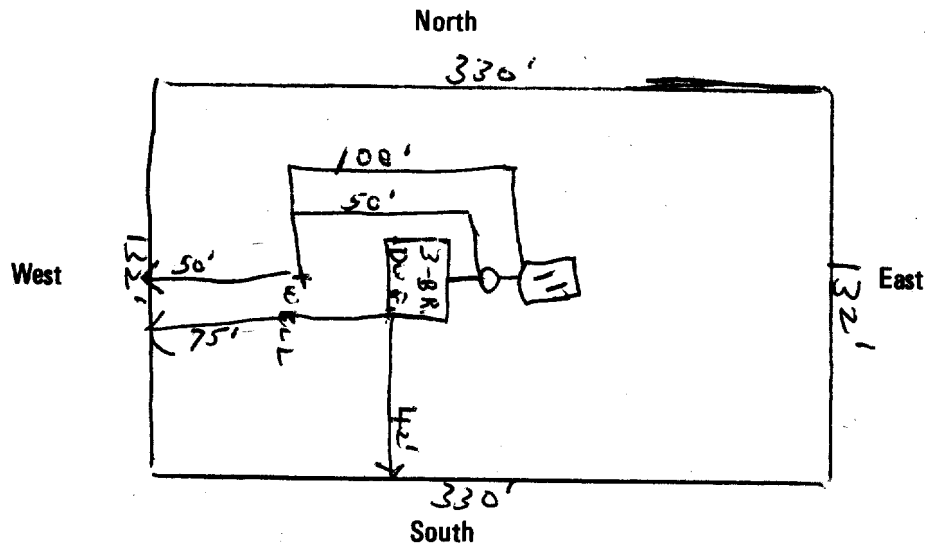
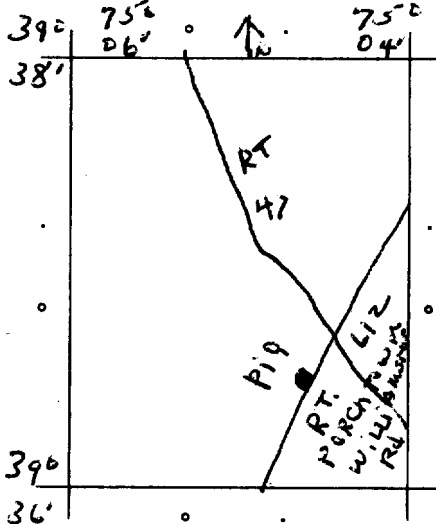
FRANKLINVILLE, N.J.

LOCATION OF WELL

Lot# <u>1</u>	Block# <u>96</u>	Municipality <u>FRANKLIN</u>	County <u>GLOUCE</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et. seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- 

This Space for Approval Stamp

WELL PERMIT  
APPROVED

MAR 26 1985

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 3/22/85

Signature of Owner Theresa M. Styka for D.M.

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

31-32-794

Mail to

Permit No. 31-22868

Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Owner MR. PERRY JOSEPH  
Address 1705 WILLIAMSTOWN RD.  
FRANKLINVILLE, N.J. 08322  
Name of Facility \_\_\_\_\_  
Address - SAME -

Driller JAMES C. MESIANO  
Address RD #5 BOX 61A  
WILLIAMSTOWN, N.J. 08094

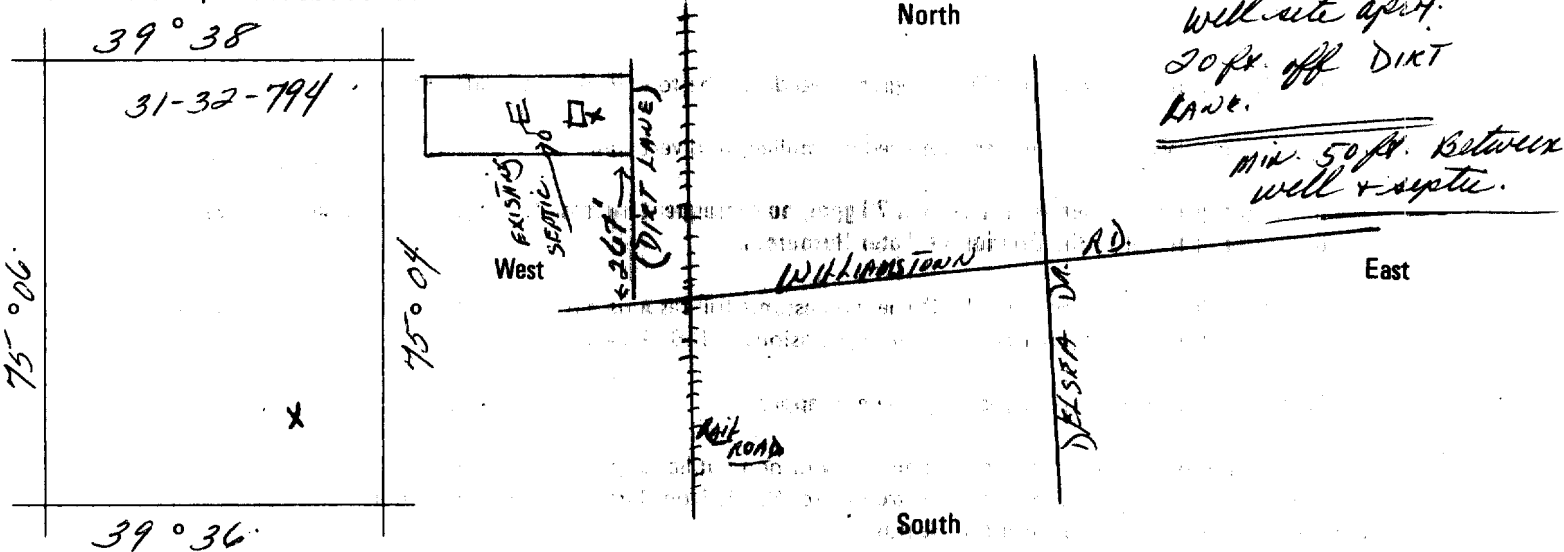
Diameter of Well	<u>2 Inches</u>	Proposed Depth of Well	<u>60 Feet</u>
Proposed Capacity of Pump	<u>10 GPM</u>	Method of Drilling (cable-tool, rotary, etc.)	<u>ROTARY</u>
Use of Well (See Reverse)	<u>DOMESTIC - REPLACEMENT</u>		

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>20</u>	<u>96</u>	<u>FRANKLIN</u>	<u>GLOUCESTER</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.

This Space for Approval Stamp

WELL PERMIT  
APPROVED

APR 11 1985

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 4-1-85

Signature of Owner J.C. Perry Joseph  
Health Dept. - Yellow      Owner - Blue      (WELPMT 041 1440)



Mail to  
**STATE GEOLOGIST**  
 P.O. BOX 1390  
 TRENTON, N.J. 08625

**STATE OF NEW JERSEY**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 OFFICE OF THE COMMISSIONER  
 TRENTON, N.J.

Permit No. 31-17978

**PERMIT TO DRILL WELL** VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.877

Owner Hoffman Enterprises Inc. Driller Emile Gabues  
 Address P.O. Box 101 Address 988 N. Mill Rd  
Franklinville, N.J. 08322 Vineland, N.J.

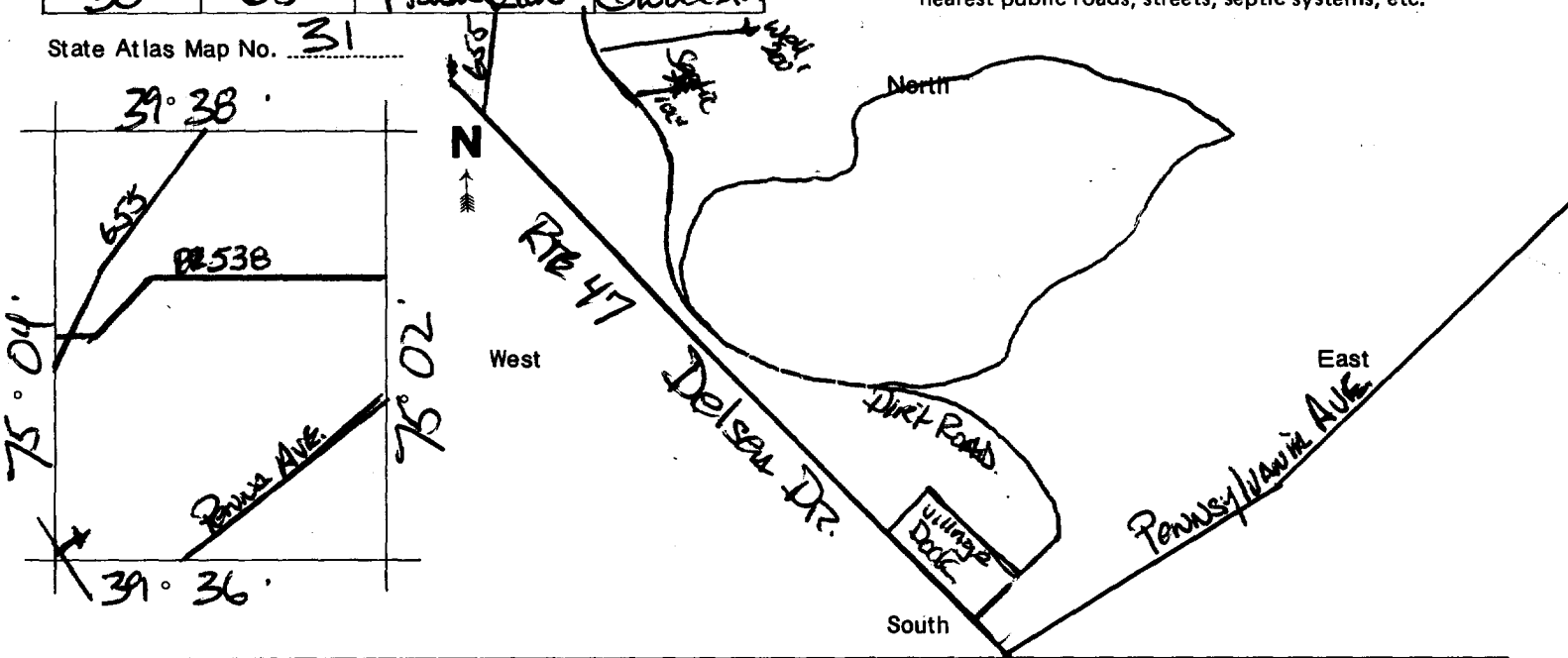
diameter of well <u>2</u> inches	proposed depth of well <u>50 (min.)</u> feet	proposed capacity of pump <u>10</u> G.P.M.
	method of drilling <u>Aerobed</u> <small>(cable tool, rotary, jet, etc.)</small>	use of well <u>Domestic</u> <small>(semi-public, domestic, industrial, public-supply, test, etc.)</small>

**LOCATION OF WELL**

lot # <u>30</u>	block # <u>65</u>	municipality <u>Franklin</u>	county <u>Gloucester</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

**WELL PERMIT APPROVED**

**MAY 7 1981**

DEPT. ENV. PROTECTION  
 DIV. OF WATER RESOURCES  
 WATER REGULATION

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 4-30-81

Signature of Owner [Signature]

Mail to

Water Allocation  
CN-029  
Trenton, N. J. 08625

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N. J.

CAPE 05/15 Permit No. 31-17984

PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P. 31-42-133

Owner Dennis Stewart Driller F. C. Capel & Son  
Address R. D. #1 Box 1496D Address 751 Mantua Blvd.  
Franklinville, New Jersey 08322 Sewell, New Jersey 08080

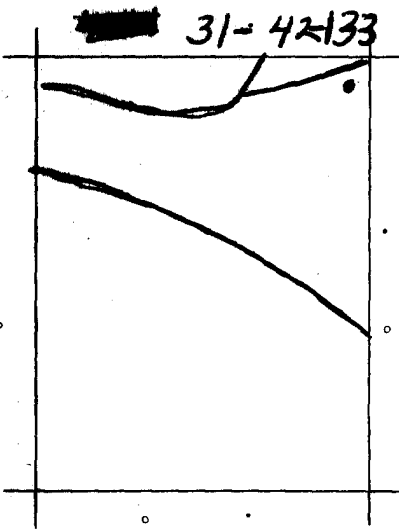
diameter of well <b>4</b> inches	proposed depth of well <b>100</b> feet	proposed capacity of pump <b>10</b> G.P.M.
method of drilling <b>Rotary</b> (cable-tool, rotary, jet, etc.)		use of well <b>Domestic</b> (semi-public, domestic, industrial, public-supply, test, etc.)

LOCATION OF WELL

lot # <b>P/O 5</b>	block # <b>149</b>	municipality <b>Franklin Twp.</b>	county <b>Gloucester</b>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

**WELL PERMIT  
APPROVED**

**MAY 12 1981**

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date May 5, 1981

Signature of Owner [Signature]

WATER ALLOCATION COPY

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-23237

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL **5**

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.799

Owner JOHN W. DILLON, JR. 694-4065  
Address RD # 3 BOX 699  
FRANKLINVILLE, N.J. 08322  
Name of Facility JOHN DILLON JR.  
Address DELSKA DR.  
FRANKLINVILLE, N.J. 08077

Driller JAMES C. MESIANO  
Address RD # 5 BOX 61A  
WILLIAMSTOWN, N.J. 08094

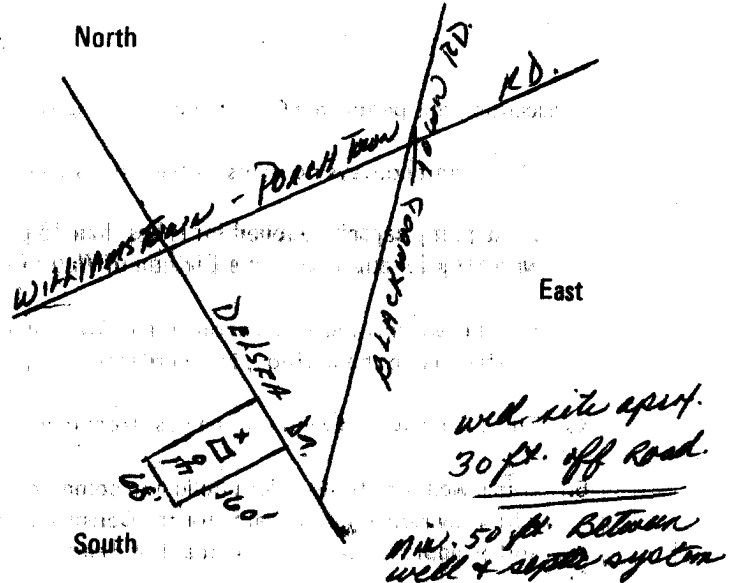
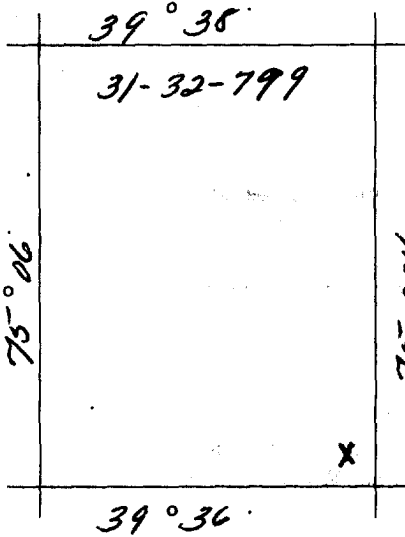
Diameter of Well	<u>2</u> Inches	Proposed Depth of Well	<u>80</u> Feet
Proposed Capacity of Pump	<u>70</u> GPM	Method of Drilling (cable-tool, rotary, etc.)	<u>ROTARY</u>
Use of Well (See Reverse)	<u>DOMESTIC</u>		

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>10A</u>	<u>137</u>	<u>FRANKLIN TWP</u>	<u>GLoucester</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- 

This Space for Approval Stamp

**WELL PERMIT APPROVED**

**JUN 6 1985**

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 6-1-85  
Signature of Owner J. C. SA 90 John Dillon  
COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

Mail to

Water Allocation  
CN-029  
Trenton, N. J. 08625

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N. J.

Permit No. 31-18064

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.

Owner James R. McGhee Driller Frank Bechtel Inc.  
Address 1/8 R.L. Bessetti Address Blk. Horse Pike  
413 Wallace Ave. Blackwood, N.J. 08012  
Lindenwold, N.J. 08021

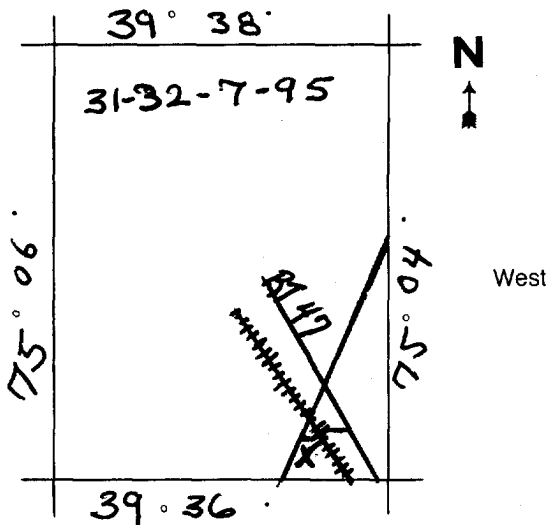
diameter of well <u>4</u> inches	proposed depth of well <u>75</u> feet	proposed capacity of pump <u>15</u> G.P.M.
method of drilling <u>Cable-Tool</u> <small>(cable-tool, rotary, jet, etc.)</small>		use of well <u>domestic</u> <small>(semi-public, domestic, industrial, public-supply, test, etc.)</small>

LOCATION OF WELL

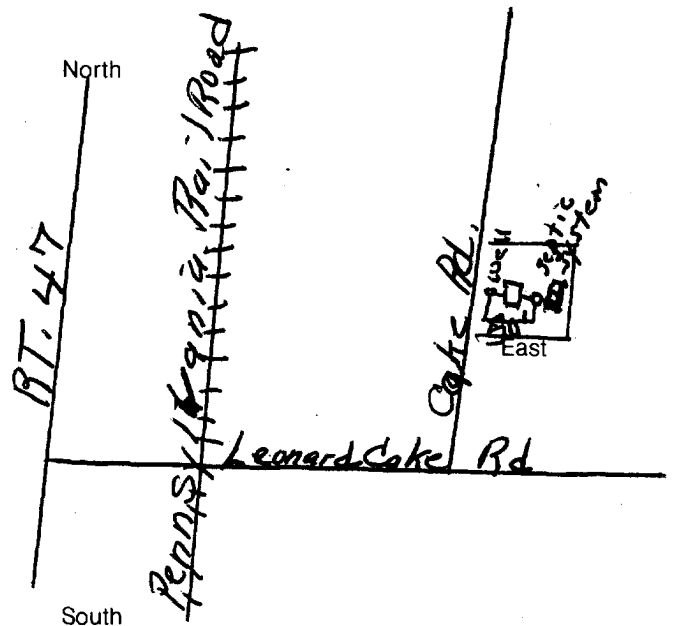
lot # <u>2</u>	block # <u>151</u>	municipality <u>Franklin</u>	county <u>Gloucester</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31

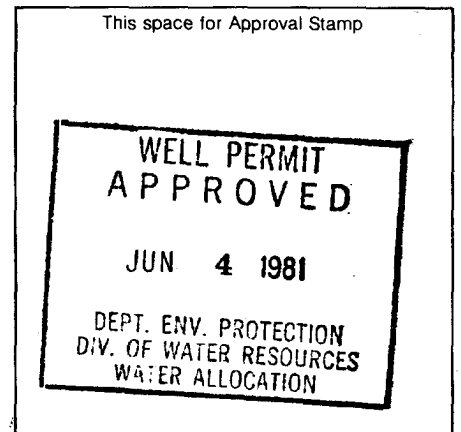


05/15



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_



In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date June 1, 1981

Signature of Owner Ron Bessetti

WATER ALLOCATION COPY

WELPMT 040 0577

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-23533

Mail to

Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL **5**

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31-32-798

Owner John and Donna Boyle  
Address RD#1, Box 1, Greensboro Rd.  
Franklinville, NJ 08322

Driller D'Agostino Well Drilling, Inc.  
Address RR#8, Box 122, Landis Ave.  
Bridgeton, NJ 08302

Name of Facility \_\_\_\_\_  
Address \_\_\_\_\_

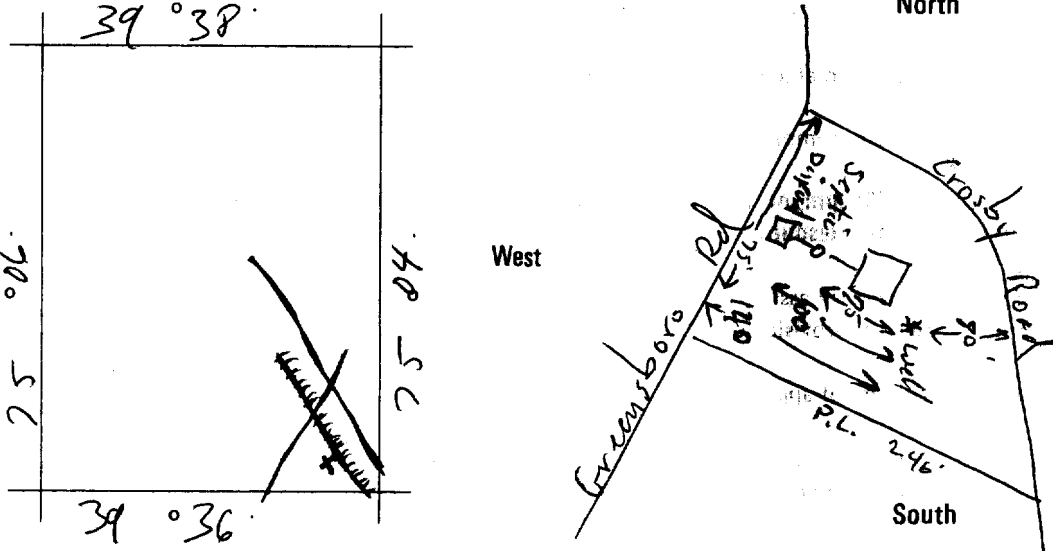
Diameter of Well	<u>4</u> Inches	Proposed Depth of Well	<u>80</u> Feet
Proposed Capacity of Pump	<u>12</u> GPM	Method of Drilling (cable-tool, rotary, etc.) <u>Rotary</u>	
Use of Well (See Reverse) <u>Domestic - Replacement</u>			

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>3</u>	<u>140</u>	<u>Franklin</u>	<u>Gloucester</u>

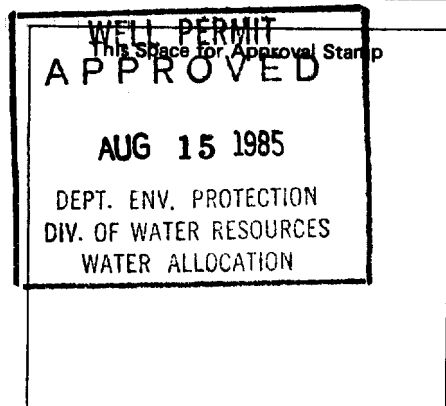
Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_



In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date July 31, 1985

Signature of Owner X John T Boyle

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

WELPMT 041 1986

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-23693

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL 5

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.7 95

Owner D+M Builders  
Address RD #2 Box #4 DELSEA DR  
FRANKLINVILLE N.J.  
Name of Facility D+M Builders  
Address SAME

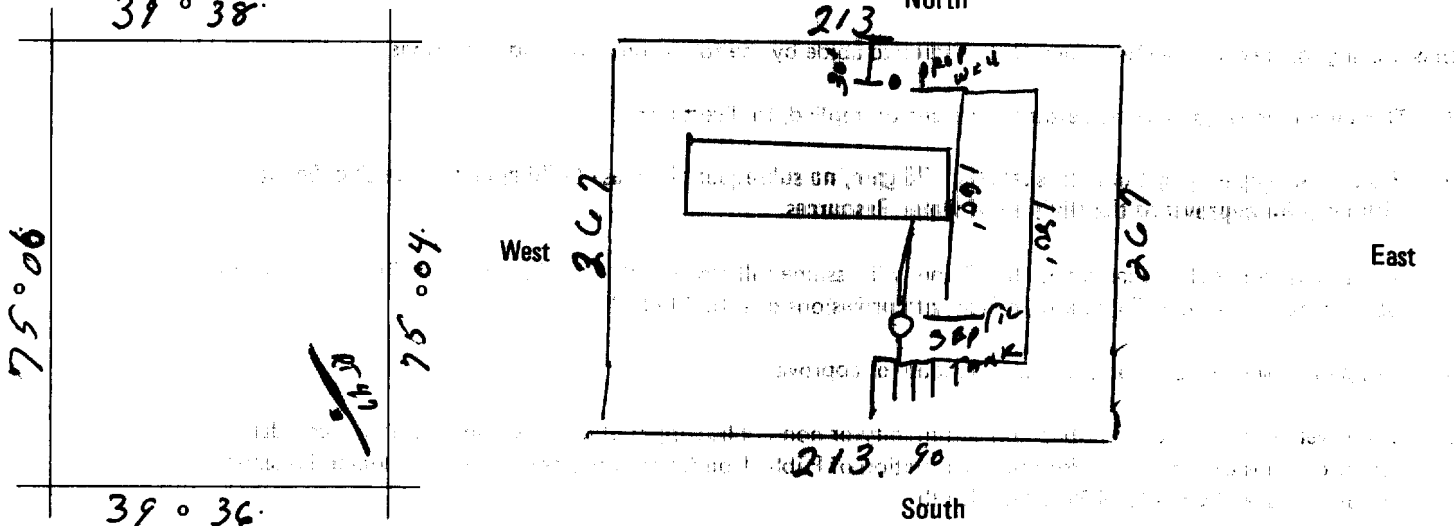
Driller FRANK FANTO SAU  
Address 379 E 9th Harbor RD  
BLUE ANCHOR NJ 08037  
Diameter of Well 4 Inches  
Proposed Depth of Well 100 Feet  
Proposed Capacity of Pump 25 GPM  
Method of Drilling (cable-tool, rotary, etc.) Rotary  
Use of Well (See Reverse) COMMERCIAL

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>1E</u>	<u>97C</u>	<u>FRANKLINVILLE</u>	<u>GLoucester</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31  
39° 38'



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

**WELL PERMIT APPROVED**

**SEP 19 1985**

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 9/19/85

Signature of Owner D+M Builders William Michael

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

5

Permit No. 31-23840

Mail to

Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

EMERGENCY REPLACEMENT WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.874

Owner Leon Paulikas  
Address RD#1 Box 410  
Franklinville, NJ 08322  
Name of Facility \_\_\_\_\_  
Address Blackwoodtown Rd.  
Franklin Twp.

Driller Al Pierson M.J. Dechamps, Inc.  
Address Michaels Lane  
Pitman, NJ 08071

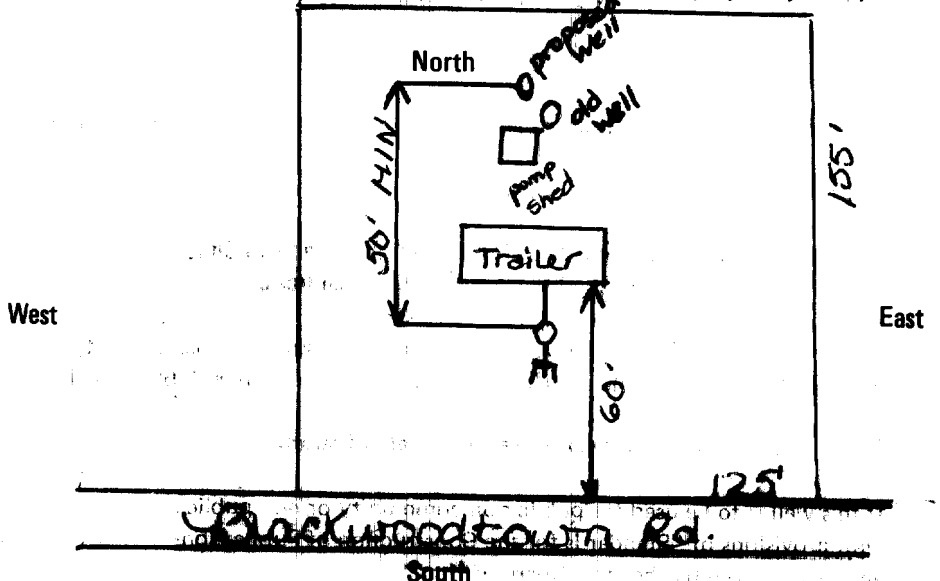
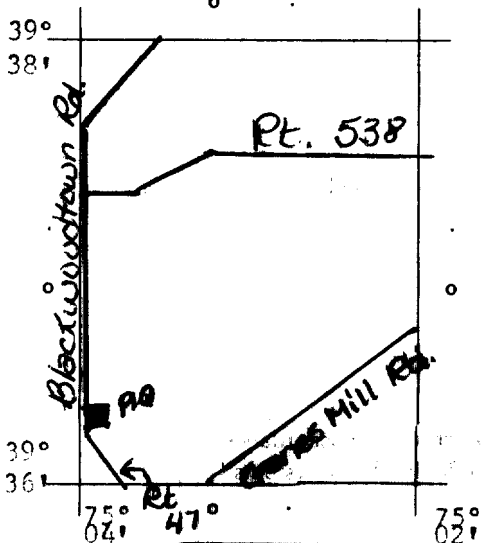
Diameter of Well	2	Inches	Proposed Depth of Well	60	Feet
Proposed Capacity of Pump	15	GPM	Method of Drilling	(cable-tool, rotary, etc.) bored	
Use of Well (See Reverse)	Domestic/replacement				

LOCATION OF WELL

Lot #	Block #	Municipality	County
9.A4	66	Franklin Twp.	Gloucester

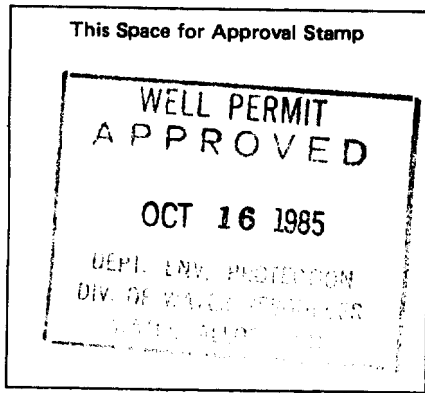
Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_



In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 10/8/85

Signature of Owner Leon Paulikas

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

WELPMT 041 2224

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Mail to

Water Allocation  
CN 029  
Trenton, N.J. 08625

Permit No. 31-24415

PERMIT TO DRILL WELL <sup>5</sup>

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.7.95

Owner D & M. BLOERS  
Address RD. 2, BOX 6 DELSEA DR.  
FRANKLINVILLE, N.J. 08322  
Name of Facility \_\_\_\_\_  
Address PORCHTOWN, - WILLIAMSTOWN, RD

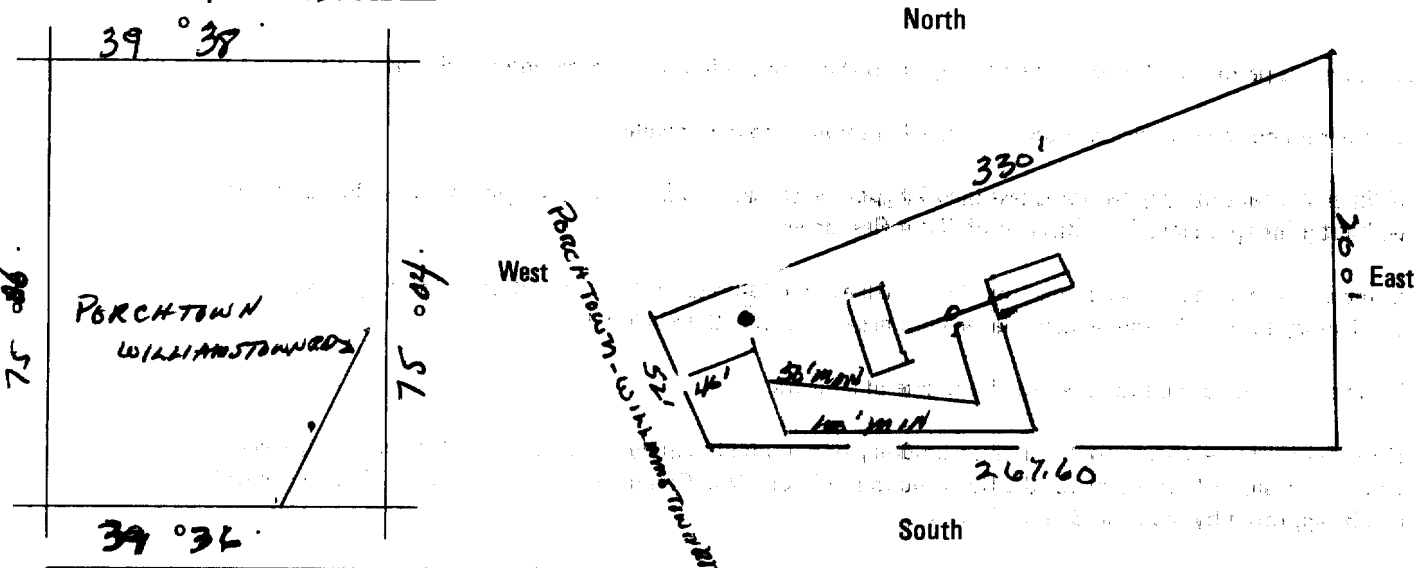
Driller FRANK FOOTE INC.  
Address 379 E 66 HARBOR RD.  
BLUE ANCHOR, NJ. 08037  
Diameter of Well 3 Inches  
Proposed Depth of Well 100 Feet  
Proposed Capacity of Pump 10 GPM  
Method of Drilling (cable-tool, rotary, etc.) ROTARY  
Use of Well (See Reverse) DOMESTIC

LOCATION OF WELL

Lot # <u>4</u>	Block # <u>96</u>	Municipality <u>FRANKLINE</u>	County <u>GLOUCESTER</u>
----------------	-------------------	-------------------------------	--------------------------

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

APPROVED

FEB 10 1986

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 2/14/86

Signature of Owner Don Alloway



STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-24416

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL 5

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32795

Owner D+M BLDGS  
Address RD2, Box 6 DELSEA DR.  
FRANKLINVILLE, MS. 08322  
Name of Facility \_\_\_\_\_  
Address POREHTOWN-WILLIAMSTOWN RD

Driller FRANK FORTE INC.  
Address 379 EGG HARBOR RD  
BLUE ANCHOR, MS. 08037

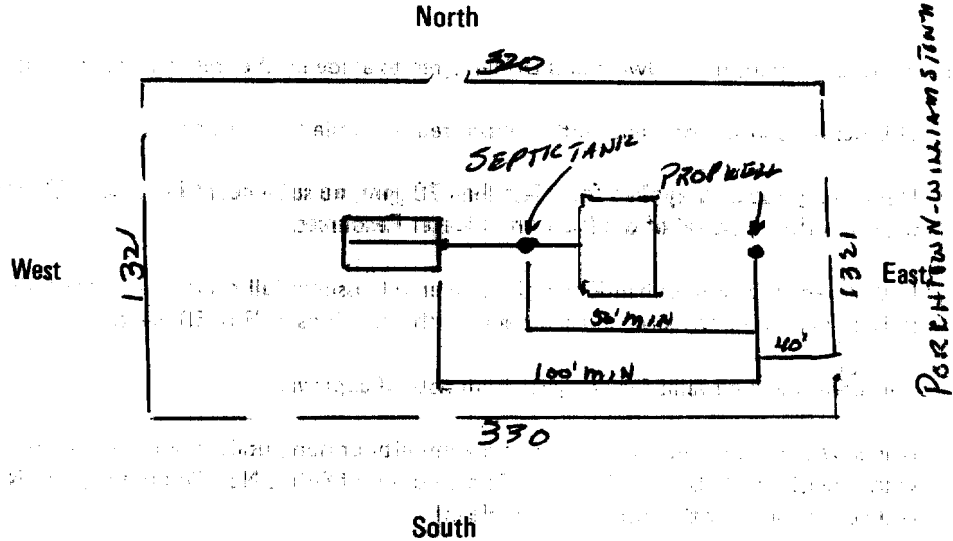
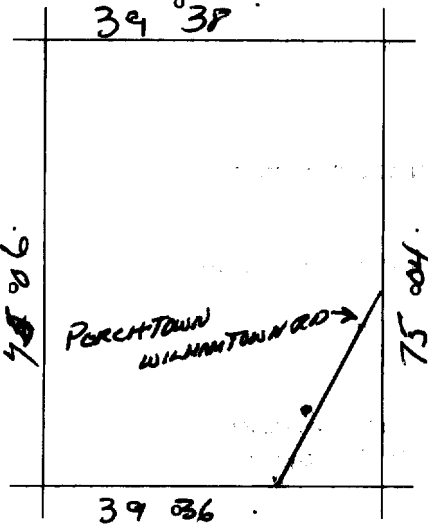
Diameter of Well	<u>3</u> Inches	Proposed Depth of Well	<u>100</u> Feet
Proposed Capacity of Pump	<u>16</u> GPM	Method of Drilling	<u>ROTARY</u> (cable-tool, rotary, etc.)
Use of Well (See Reverse)	<u>DOMESTIC</u>		

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>2</u>	<u>96</u>	<u>FRANKLIN TWP</u>	<u>GLoucester</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

**APPROVED**

**FEB 19 1986**

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 2/14/86

Signature of Owner Ken Allaway

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-24785

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL **5**

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.327 96

Owner WILLIAM B. MILAZZO  
Address 739 NO. DELSEA DR.  
VINELAND, NJ. 08322  
Name of Facility \_\_\_\_\_  
Address DELSEA DR.

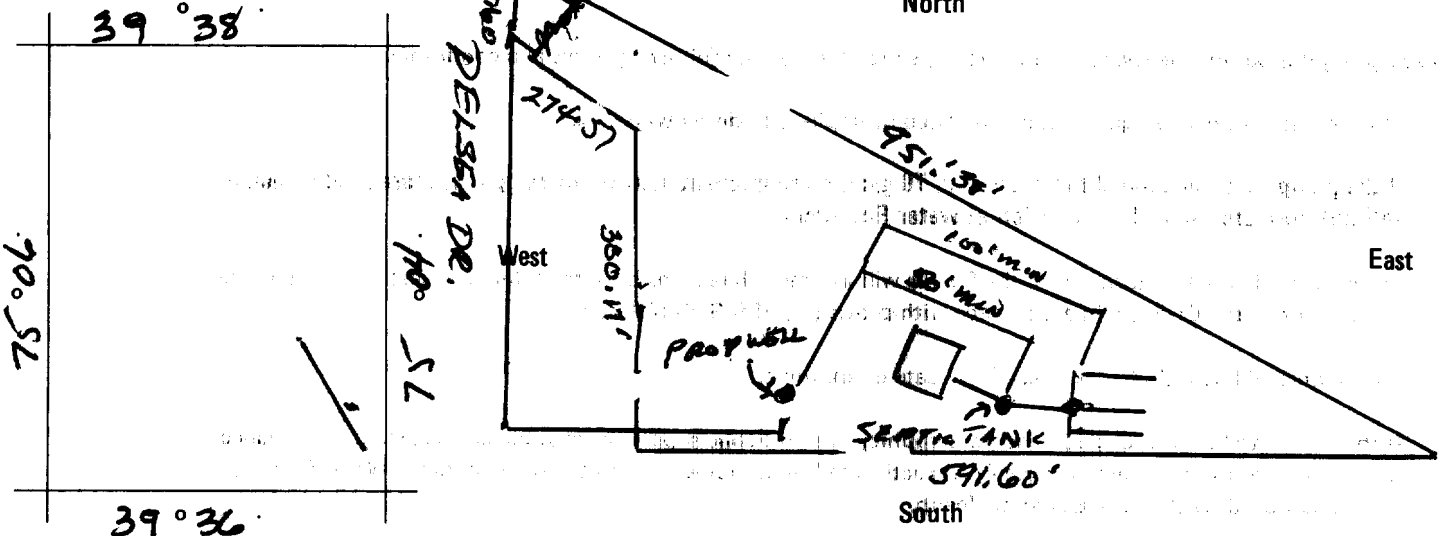
Driller FRANK FORTA INC.  
Address 399 EGG HARBOR RD  
BLUE ANCHOR, NJ 08037  
Diameter of Well 4 Inches  
Proposed Depth of Well 100 Feet  
Proposed Capacity of Pump 15 GPM  
Method of Drilling (cable-tool, rotary, etc.) ROTARY  
Use of Well (See Reverse) DOMESTIC

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>11A</u>	<u>46A</u>	<u>FRANKLIN TOWNSHIP</u>	<u>GLoucester</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

**WELL PERMIT  
APPROVED**

**MAY 2 1986**

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 4/28/86

Signature of Owner William Milazzo

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-24857

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL 5

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.7 93

Owner Charles Homeyer, Jr.  
Address P. O. Box 620  
Malaga, N.J. 08328  
Name of Facility \_\_\_\_\_  
Address Blackwoodtown Rd.  
Franklin Twp

Driller Al Pierson, M.J. DECHAMPS, INC.  
Address Michael's Lane  
Pitman, N.J. 08071

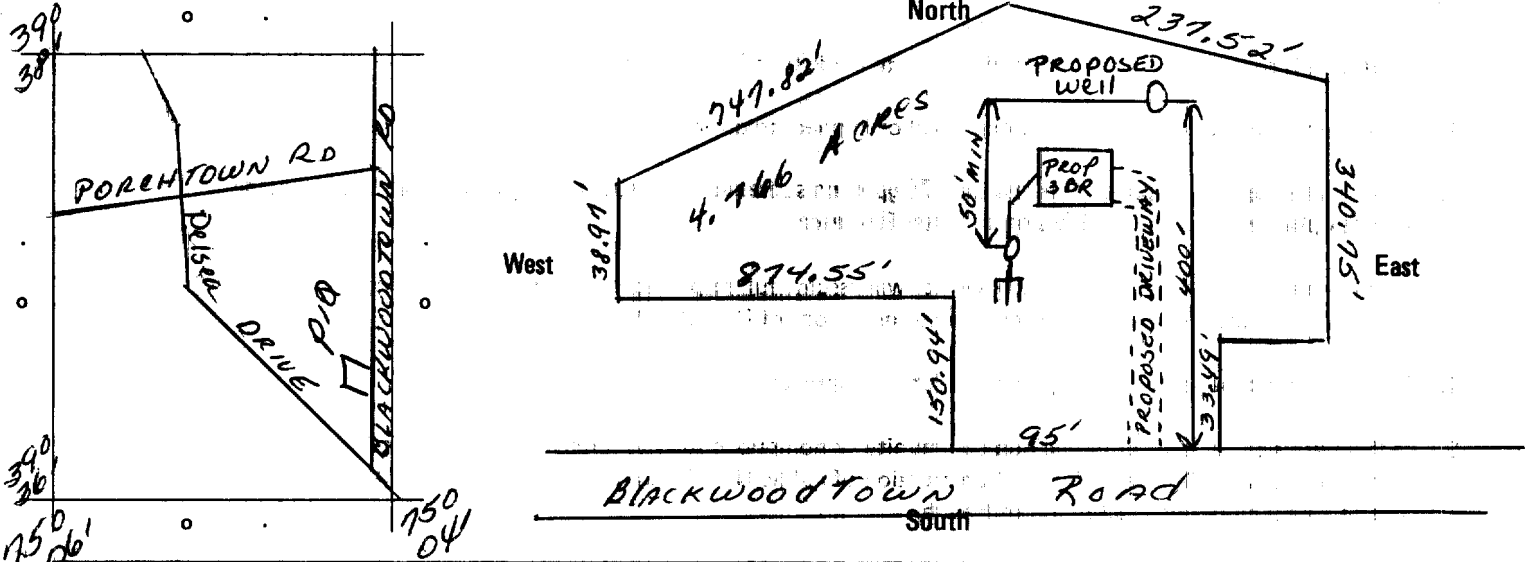
Diameter of Well	<u>4</u> Inches	Proposed Depth of Well	<u>90</u> Feet
Proposed Capacity of Pump	<u>15</u> GPM	Method of Drilling	<u>rotary</u> (cable-tool, rotary, etc.)
Use of Well (See Reverse)	<u>domestic new</u>		

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>9A12</u>	<u>66</u>	<u>Franklin Twp</u>	<u>Glouc.</u>

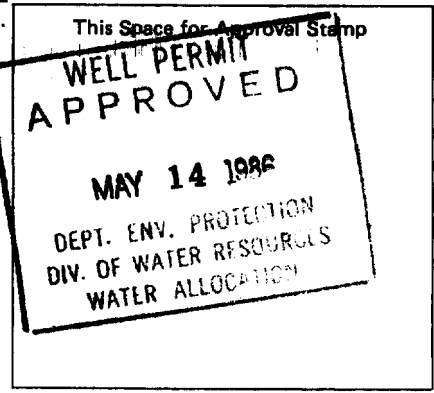
Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_



In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 5/9/86 Signature of Owner Charles R Homeyer Jr P.O. Box 620  
COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue WELPMT 041 3024

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

Permit No. 31-24955

**CANCELLED**  
PERMIT TO DRILL WELL 05  
ISSUED BY THE D.E.P.

31-42132

Owner Douglas Builders  
Address RD # 1 Box 1714  
Franklinville, N.J. 08322  
Name of Facility Douglas Builders  
Address Leonard Cake Rd.  
Franklinville, N.J. 08322

Driller Al Pierson, M.J. Dechamps, Inc.  
Address Michael's Lane  
Pitman, N.J. 08071

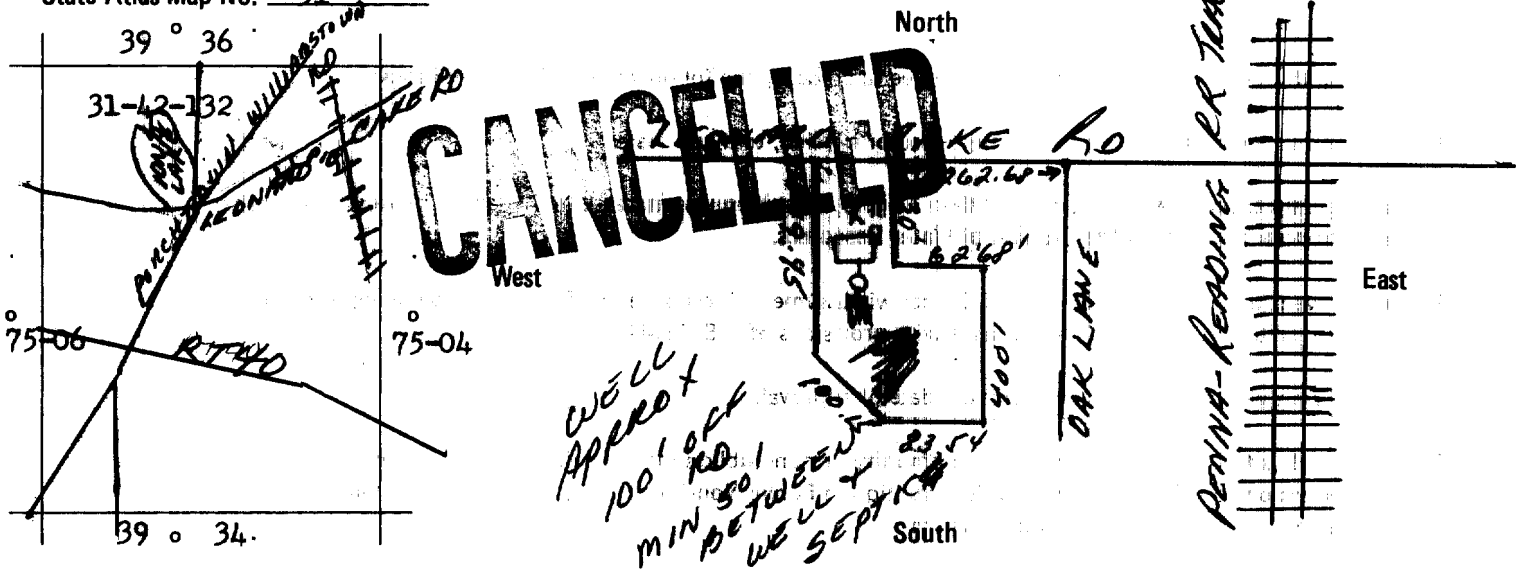
Diameter of Well	2	Inches	Proposed Depth of Well	80	Feet
Proposed Capacity of Pump	15	GPM	Method of Drilling	bored	
Use of Well (See Reverse)			<u>Domestic</u>		

LOCATION OF WELL

Lot #	Block #	Municipality	County
5	149	Franklin Twp	Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:24A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

**WELL PERMIT APPROVED**

**MAY 23 1986**

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 5/21/86

Signature of Owner Douglas Builders *[Signature]*

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

WELPMT 041 3090

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-24990

Mail to  
Water Allocation  
CN-029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.795

Owner CHARLES FOX  
Address 1334 FRANKLIN ST  
FRANKLINVILLE N.J.

Driller GEORGE MAYERS  
Address RT3 BOX 93  
SEWELL N.J. 08080

Name of Facility PRIVATE DWELLING  
Address LOT #2 GREENS BORO

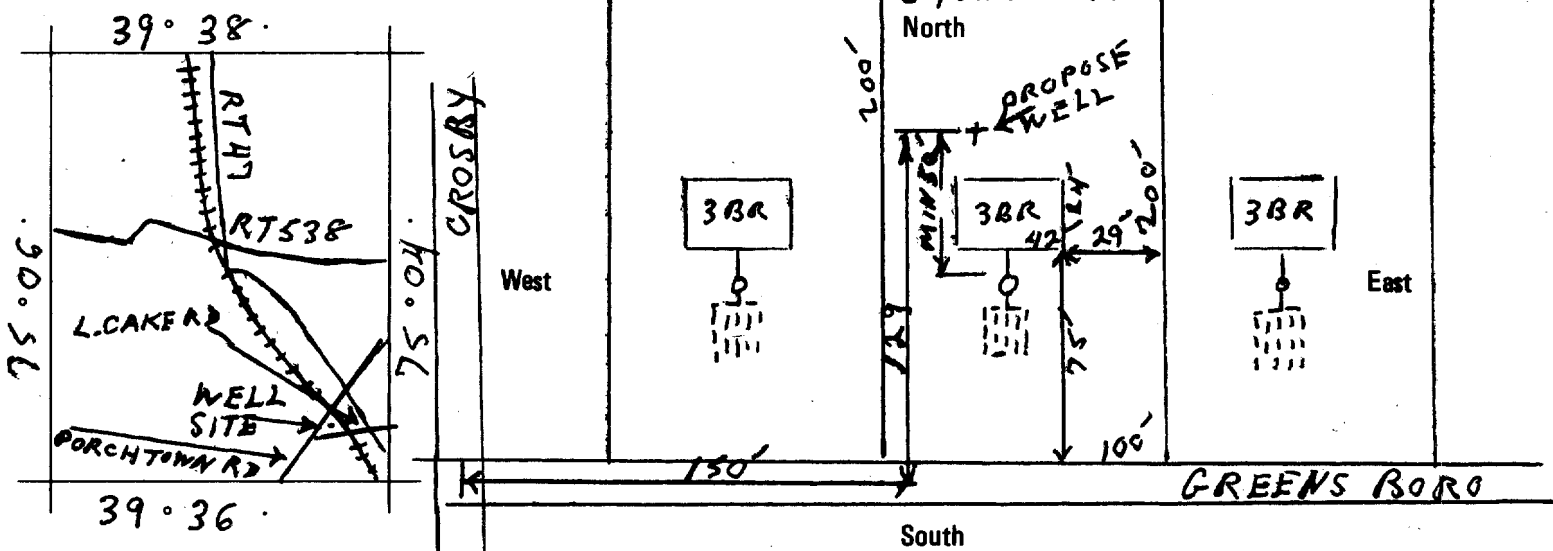
Diameter of Well <u>4</u> Inches	Proposed Depth of Well <u>10</u> Feet
Proposed Capacity of Pump <u>10</u> G.P.M.	Method of Drilling (cable-tool, rotary, etc.) <u>ROTARY</u>
Use of Well (See Reverse) <u>DOMESTIC REPLACEMENT</u>	

LOCATION OF WELL

Lot# <u>2</u>	Block# <u>140</u>	Municipality <u>FRANKLIN</u>	County <u>GLOUCESTER</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commerical Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et. seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- 

This Space for Approval Stamp

WELL PERMIT  
APPROVED

JUN 5 1986

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 5/28/86

Signature of Owner Charles R Fox

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 3125304

Mail to

Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL 5

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.42.132

Owner Douglas Builders  
Address RD#1 Box 1714  
Franklinville, N.J. 08322  
Name of Facility Douglas Builders  
Address Leonard Cake Road  
Franklinville, N.J. 08322

Driller James C. Mesiano  
Address RD#5 Box 61A  
Williamstown, N.J. 08094

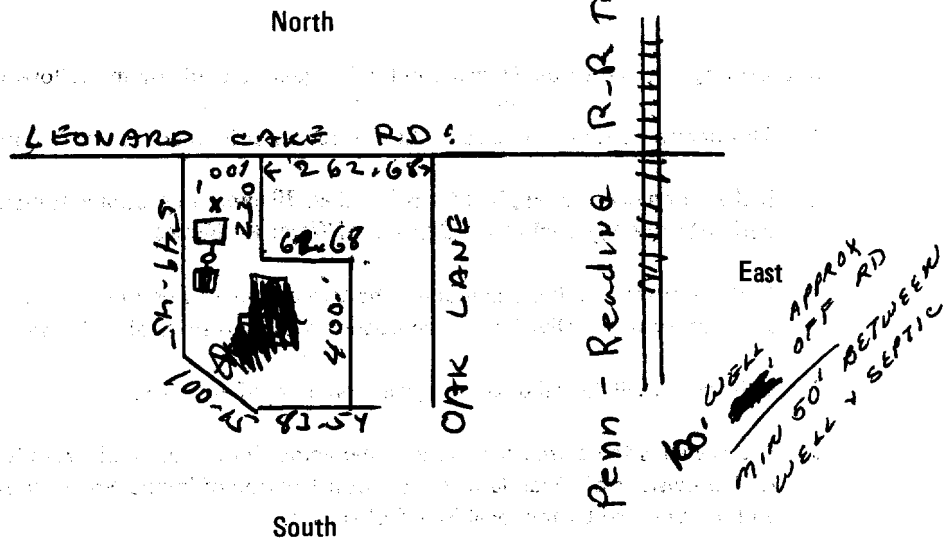
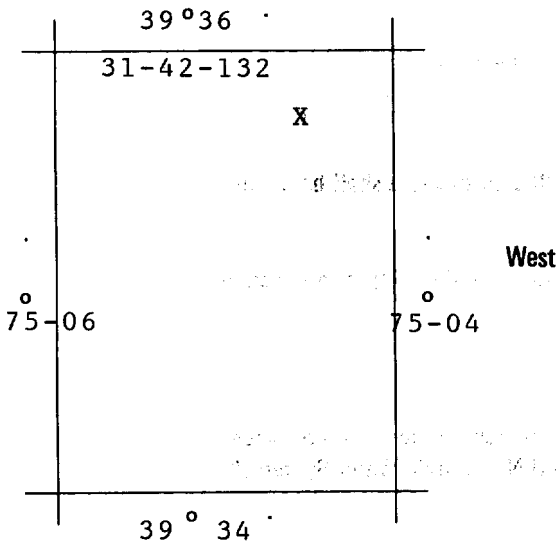
Diameter of Well	2 Inches	Proposed Depth of Well	80 Feet
Proposed Capacity of Pump	10 GPM	Method of Drilling (cable-tool, rotary, etc.)	Rotary
Use of Well (See Reverse) Domestic			

LOCATION OF WELL

Lot #	Block #	Municipality	County
5	149	Franklin Twp.	Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

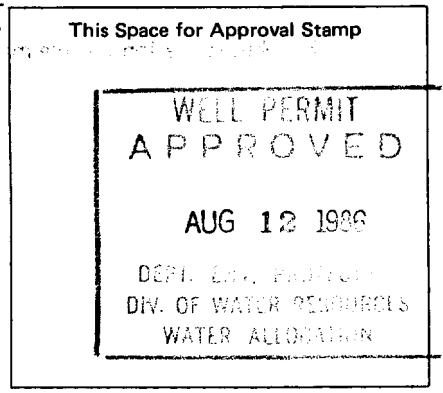
State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp



In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 8-4-86

Signature of Owner Nicholas Androschick

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

WELPMT 042 0061

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Red #

Permit No. 3125400

Mail to

Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.877

Owner Delsea Regional High School  
Address Blackwoodtown Road  
Franklinville, N.J. 08322  
Name of Facility Delsea Regional High School  
Address Blackwoodtown Road  
Franklinville, N.J. 08322

Driller James C. Mesiano  
Address RD #5 Box 61-A  
Williamstown, N.J. 08094

Diameter of Well	<u>6 Inches</u>	Proposed Depth of Well	<u>140 Feet</u>
Proposed Capacity of Pump	<u>275 GPM</u>	Method of Drilling (cable-tool, rotary, etc.)	<u>Rotary</u>
Use of Well (See Reverse)	<u>" IRRIGATION "</u>		

LOCATION OF WELL

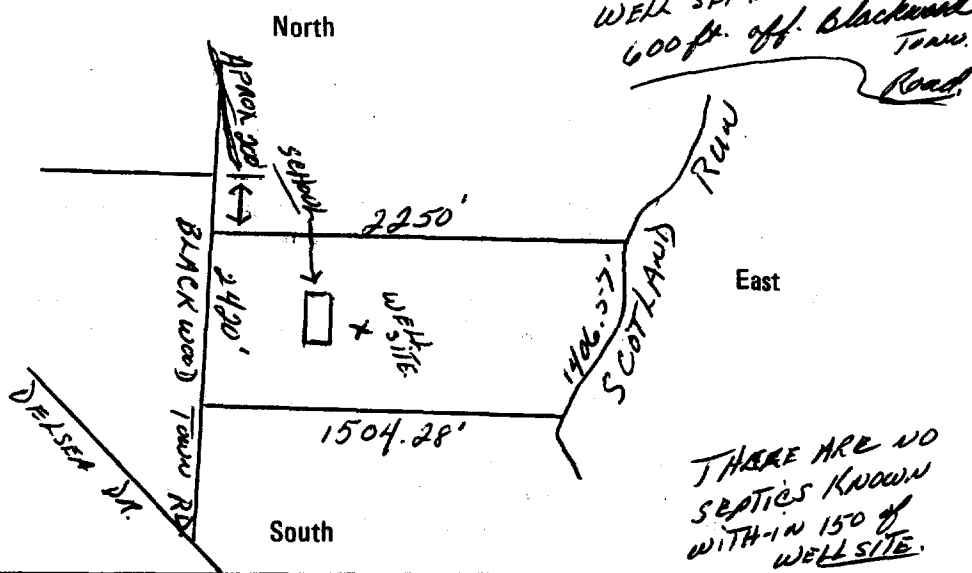
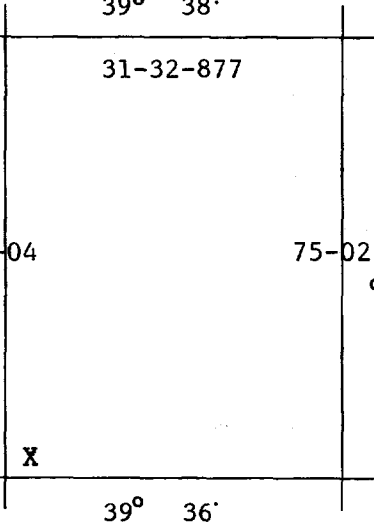
Lot #	Block #	Municipality	County
<u>17 thr 20</u>	<u>65</u>	<u>Franklin Twp.</u>	<u>Gloucester</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31

39° 38'

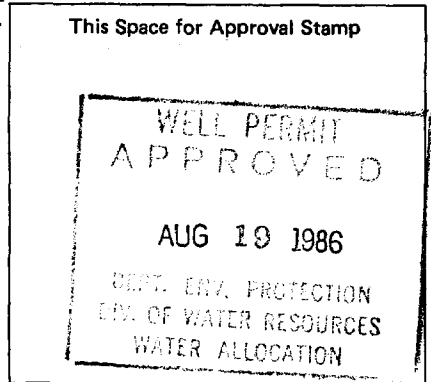
31-32-877



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every 10 feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- CONTACT LLOYD MULLIKIN OF THE NJGS AT 609-292-2576 PRIOR TO DRILLING

This Space for Approval Stamp



In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date July 8, 1986

Signature of Owner

J.C.M. % Delsea Regional High

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

WELPMT 042 0086

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 3125482

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.42.132  
100'

Owner D+M Builders  
Address RO 2 Box 6 RT 47  
FRANKLINVILLE NJ, 08322  
Name of Facility \_\_\_\_\_  
Address LAKE AVE  
FRANKLINVILLE

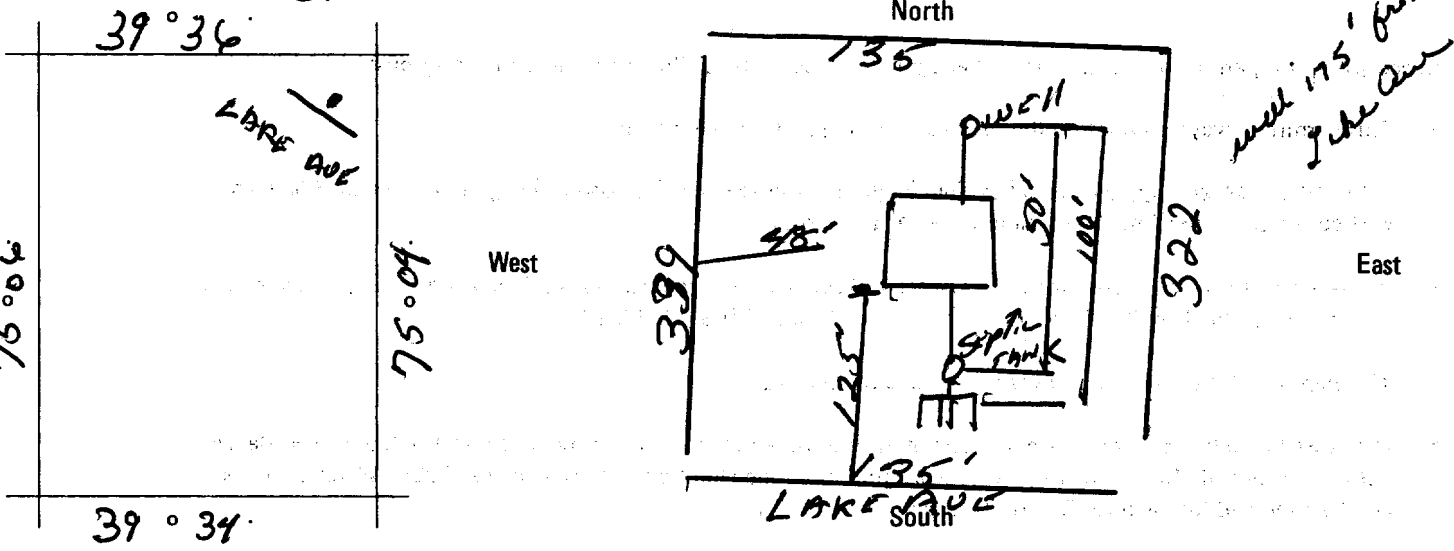
Driller FRANK FONTE INC  
Address 379 099 Harbor rd  
BLUE ANCHOR NJ, 08037  
Diameter of Well 3" Inches Proposed Depth of Well 60' Feet  
Proposed Capacity of Pump 15 GPM Method of Drilling ROTARY  
(cable-tool, rotary, etc.)  
Use of Well (See Reverse) Domestic

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>P.O. 1</u>	<u>518</u>	<u>FRANKLIN</u>	<u>GLOU.</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

WELL PERMIT  
APPROVED

SEP 2 1986

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 8/20/86

Signature of Owner D+M Builders

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue



STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-20198

Mail to  
Water Allocation  
CN-029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.795

Owner Antonio Faiola  
Address 721 Beechwood Ave  
Cherry Hill N.J.  
Name of Facility 4<sup>new</sup> Trailers  
Address Delsea Drive  
Franklinville N.J.

Driller Don Hens of William J. Hampton  
Address RA1 Box 308 Egg Harbor Rd.  
Sewell N. J. 08080

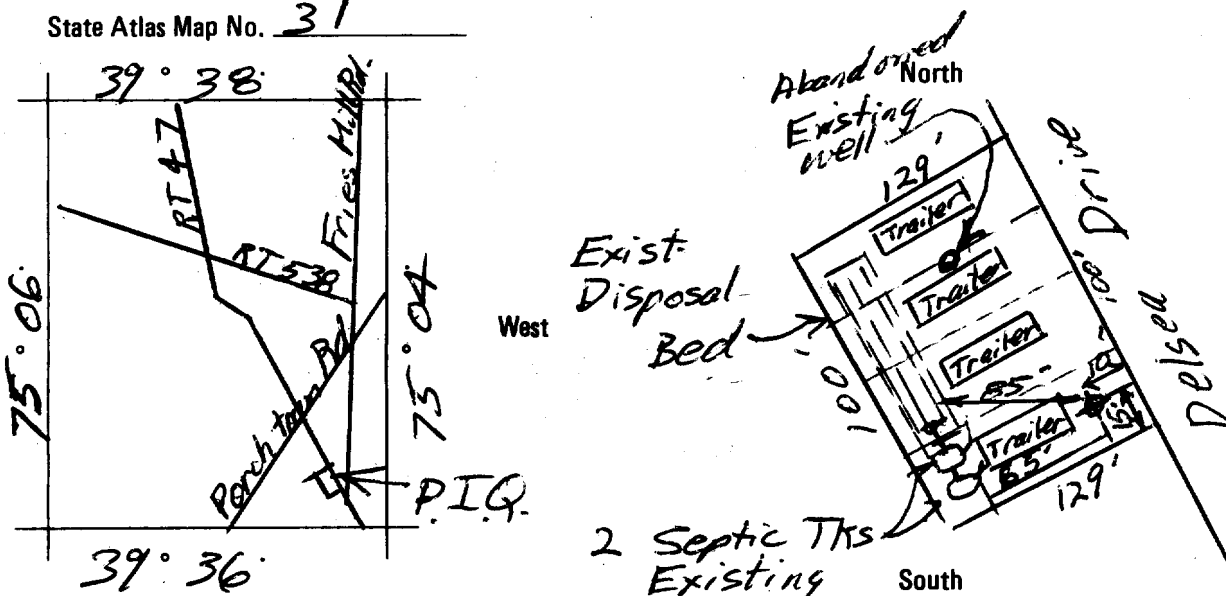
Diameter of Well <u>4</u> Inches	Proposed Depth of Well <u>70.0</u> Feet
Proposed Capacity of Pump <u>24</u> G.P.M.	Method of Drilling (cable-tool, rotary, etc.) <u>Cable Tool</u>
Use of Well (See Reverse) <u>Domestic - replacement</u>	

LOCATION OF WELL

Lot# <u>687</u>	Block# <u>137</u>	Municipality <u>Franklin</u>	County <u>Gloucester</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- Domestic Potable Water Supply** - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply** - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply** - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et. seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells** - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

**WELL PERMIT  
APPROVED**

**AUG 6 1984**

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 5/31/83

Signature of Owner Antonio Faiola

PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.

Owner Tony Deola Driller Dan Hans 40 William J. Hampton Ave  
Address Delsea Drive Address RR1 Box 308 Egg Harbor Rd  
Franklinville Sewell N.J. 08080

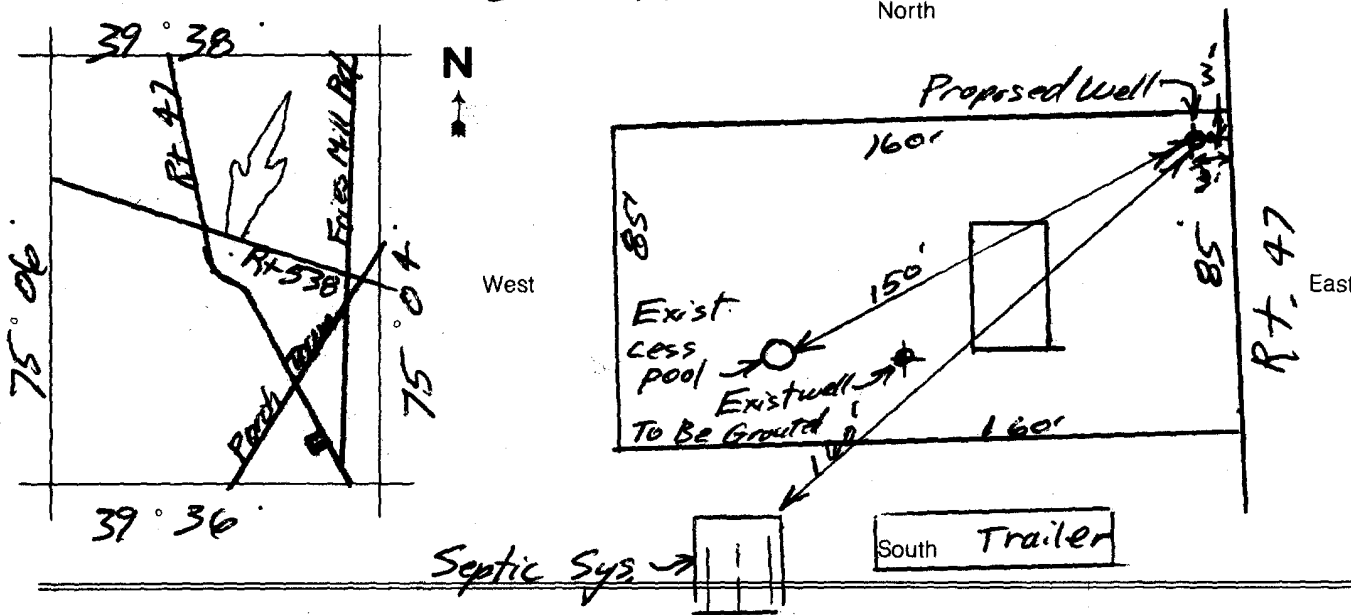
diameter of well <u>2</u> inches	proposed depth of well <u>40.0</u> feet	proposed capacity of pump <u>12</u> G.P.M.
method of drilling <u>Driven</u> <small>(cable-tool, rotary, jet, etc.)</small>		use of well <u>Domestic</u> <small>(semi-public, domestic, industrial, public-supply, test, etc.)</small>

LOCATION OF WELL

lot # <u>8</u>	block # <u>137</u>	municipality <u>Franklin</u>	county <u>Gloucester</u>
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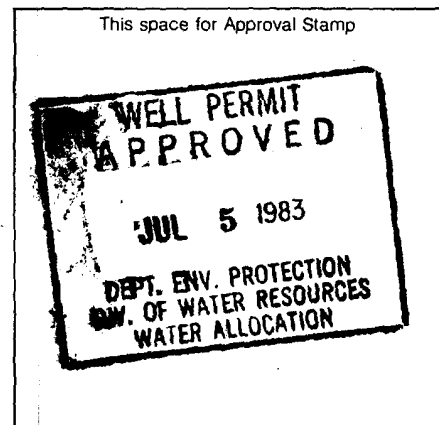
Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31 5 G1



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_



In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 6/30/83

Signature of Owner A Deola

WATER ALLOCATION COPY

**PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.**

Owner DOUGLAS BUILDERS Driller JAMES C. MESSANO  
 Address RD #1 BOX 1714 Address RD #5 BOX 61A  
FRANKLINVILLE, N.J. 08822 WILLIAMSTOWN, N.J. 08094

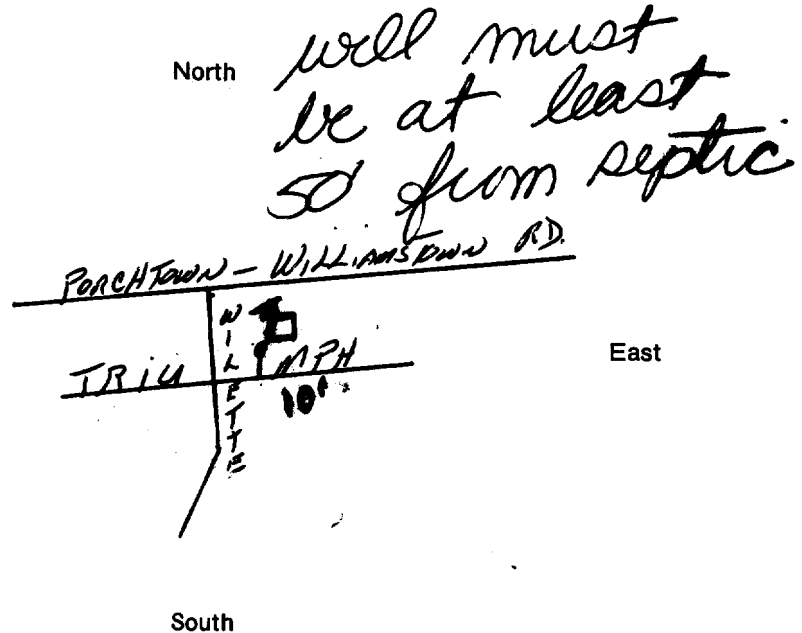
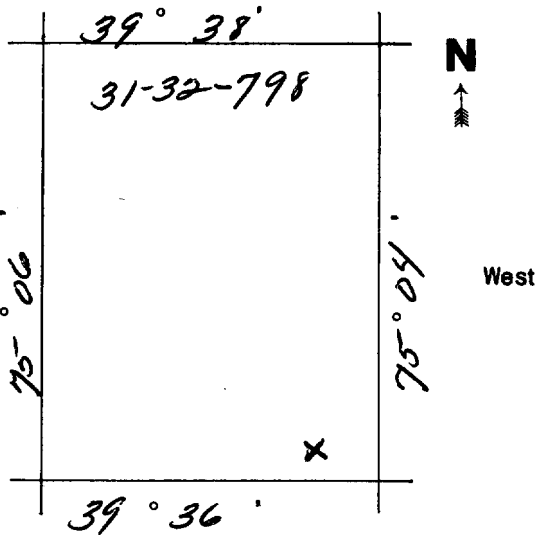
diameter of well <u>2</u> inches	proposed depth of well <u>60</u> feet	proposed capacity of pump <u>10</u> G.P.M.
method of drilling <u>Augered</u> <small>(cable-tool, rotary, jet, etc.)</small>		use of well <u>DOMESTIC</u> <small>(semi-public, domestic, industrial, public-supply, test, etc.)</small>

**LOCATION OF WELL**

lot # <u>12-13-14-15-16</u>	block # <u>138</u>	municipality <u>Franklin Tap</u>	county <u>Gloucester</u>
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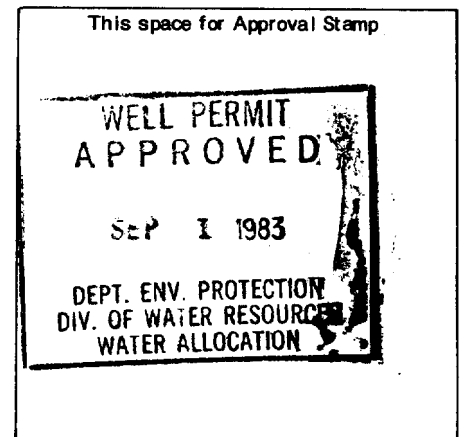
State Atlas Map No. 31 561

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
- It is necessary that Geophysical Logs of this well be made by the Division of Water Resources. The owner shall require the driller to notify the Division by PHONE (609-292-2232) when drilling is completed. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_
- \_\_\_\_\_



In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date \_\_\_\_\_ Signature of Owner \_\_\_\_\_

**PERMIT TO DRILL WELL VALID ONLY AFTER APPROVAL BY THE D.E.P.**

Owner DOUGLAS BUILDERS Driller JAMES C. MESSANO  
 Address RD #1 Box 1714 Address RD #5 Box 61A  
FRANKLINVILLE, N.J. 08922 WILLIAMSTOWN, N.J. 08094

diameter of well <u>2</u> inches	proposed depth of well <u>60</u> feet	proposed capacity of pump <u>10</u> G.P.M.
method of drilling <u>Augered</u> <small>(cable-tool, rotary, jet, etc.)</small>		use of well <u>DOMESTIC</u> <small>(semi-public, domestic, industrial, public-supply, test, etc.)</small>

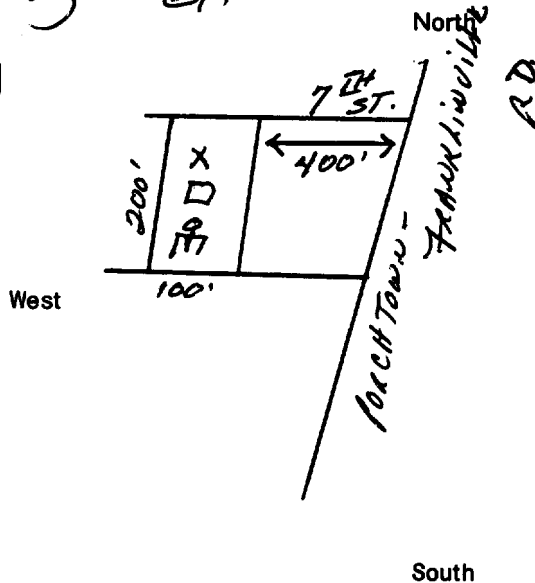
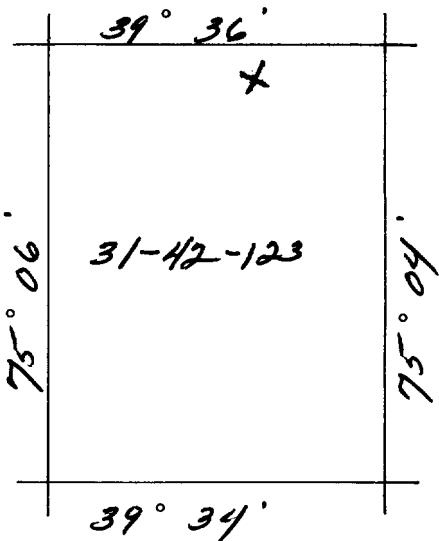
**LOCATION OF WELL**

lot # <u>11-12-29-30</u>	block # <u>113</u>	municipality <u>Franklin Twp</u>	county <u>Gloucester</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31

5 G1



50 ft. Between well + septic.  
well approx 30 ft. off road.

SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

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- Samples of cuttings required every \_\_\_\_\_ feet.
- \_\_\_\_\_

This space for Approval Stamp

**WELL PERMIT APPROVED**

**SEP 1 1983**

DEPT. ENV. PROTECTION  
 DIV. OF WATER RESOURCES  
 WATER ALLOCATION

In compliance with R. S. 58:4A-14, application is made for a permit to drill a well as described above.

Date \_\_\_\_\_ Signature of Owner \_\_\_\_\_

Mail to  
Water Allocation  
CN-029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Owner Ms Cugini Driller EMILE GABURO

Address RT 47 & Williams Town Rd Address \_\_\_\_\_

Name of Facility SAME

Address \_\_\_\_\_

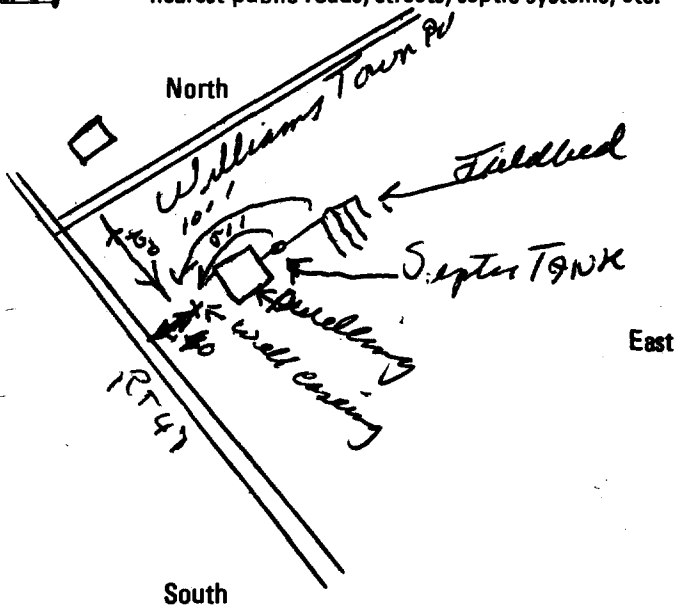
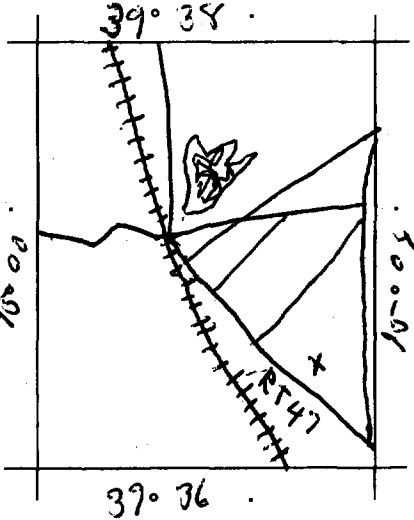
Diameter of Well <u>2 1/2</u> Inches	Proposed Depth of Well <u>60</u> Feet
Proposed Capacity of Pump <u>1.5</u> G.P.M.	Method of Drilling (cable-tool, rotary, etc.) <u>Cauges</u>
Use of Well (See Reverse) <u>Domestic Replacement</u>	

LOCATION OF WELL

Lot# <u>8</u>	Block# <u>66</u>	Municipality <u>Franklin Twp</u>	County <u>Gloucester</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

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- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et. seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.

This Space for Approval Stamp

WELL PERMIT  
APPROVED

SEP 20 1983

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date \_\_\_\_\_

Signature of Owner Ms Cugini

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 3126096

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL 5

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31 22.8 75

Owner Milt Rowen  
Address 345 Fries Mill Rd.  
Turnersville, NJ 08012  
Name of Facility one story dwelling  
Address Philip Ave.  
Gloucester Co., NJ

Driller Emile Gaburo  
Address 988 N. Mill Rd  
Vineland, NJ 08360

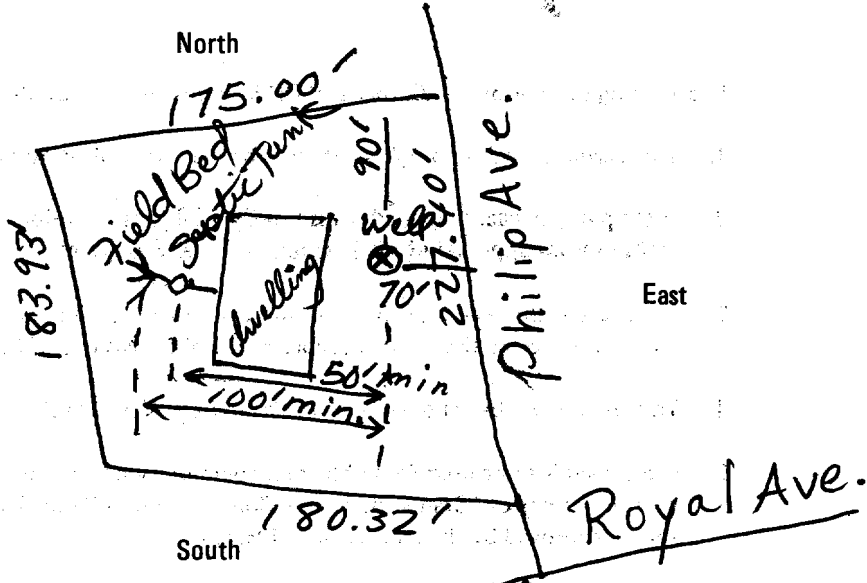
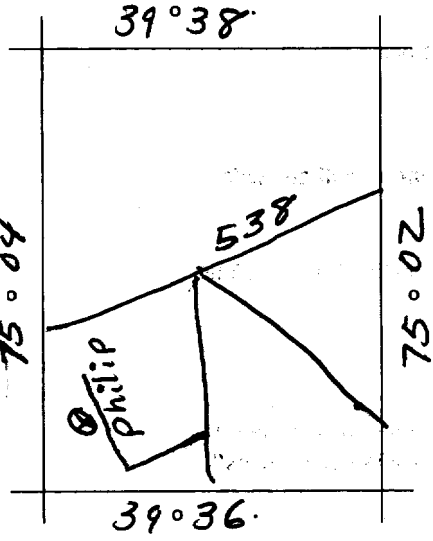
Diameter of Well	<u>2</u> Inches	Proposed Depth of Well	<u>90</u> Feet
Proposed Capacity of Pump	<u>20</u> GPM	Method of Drilling	<u>Augered</u> (cable-tool, rotary, etc.)
Use of Well (See Reverse)	<u>Domestic</u>		

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>42,43,44</u>	<u>76</u>	<u>Franklin Twp</u>	<u>Gloucester</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
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- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

**WELL PERMIT APPROVED**

**JAN 21 1987**

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date Jan. 9, 1987  
COPIES: Water Allocation - White

Signature of Owner Milt Rowen/ER  
Health Dept. - Yellow Owner - Blue WELPMT 042 0606

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

Permit No. 3126283

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

05

31.328 71

Owner Oakwood Land Development, Inc.  
Address 1344 Chews Landing Rd.  
Laurel Springs, NJ 08021  
Name of Facility New Domestic  
Address Penn. Ave.  
Franklin Twsp.

Driller South Jersey Well Drilling Co. Inc.  
Address 235 N/ White Horse Pike #1181  
Hammonton, NJ 08037

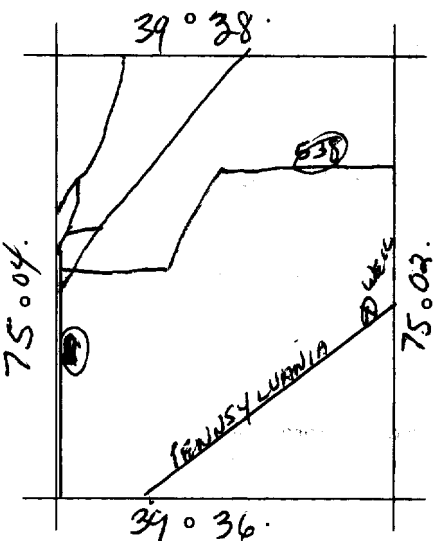
Diameter of Well	4	Inches	Proposed Depth of Well	100	Feet
Proposed Capacity of Pump	11	GPM	Method of Drilling	(cable-tool, rotary, etc.) rotary	
Use of Well (See Reverse)	Domestic				

LOCATION OF WELL

Lot #	Block #	Municipality	County
400B	68	Franklin Twsp	Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



West

East

South

SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

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- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
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- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

WELL PERMIT APPROVED

Dept. of Environmental Protection  
Water Resources/Water Allocation

MAR 11 1987

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 3-2-87

Signature of Owner \_\_\_\_\_

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

WELPMT 042 0766

Mail to

Water Allocation  
CN-029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Owner DAVID B. HOLLOWAY

Driller VIC RUGGIANO

Address 596 CLAYTON RD  
FRANKLINVILLE NJ 08222

Address 343A TUCKAHOE RD  
WILLIAMSTOWN NJ 08044

Name of Facility DAVID B. HOLLOWAY

Address RTE 47 FRANKLIN TWP.  
FRANKLINVILLE, N.J.

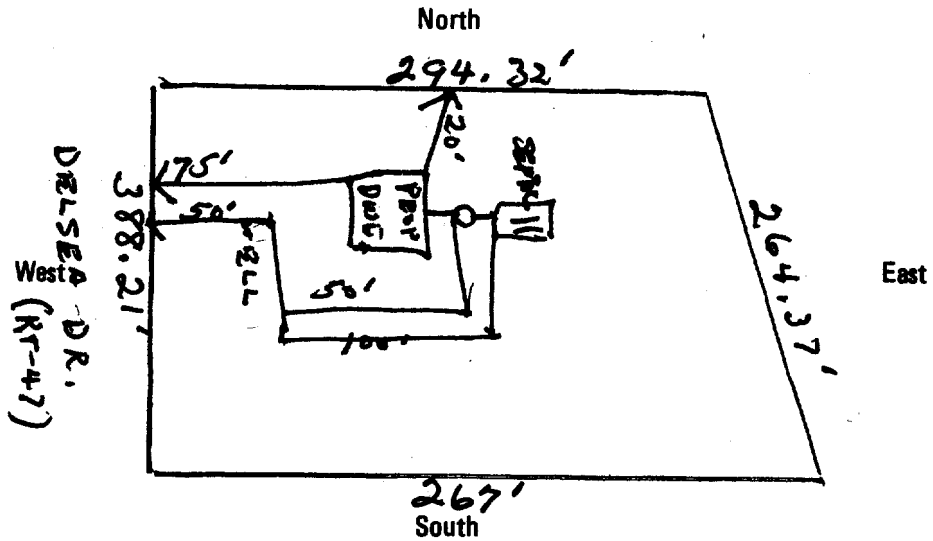
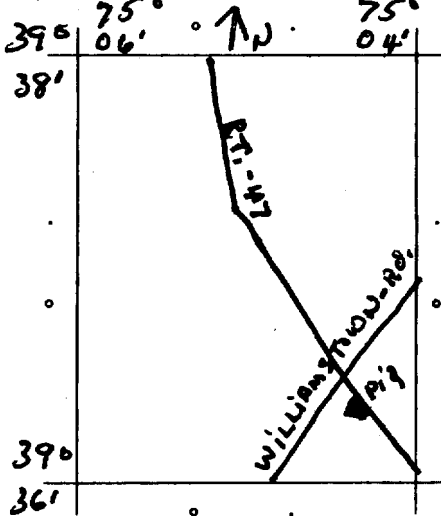
Diameter of Well <u>2 Inches</u>	Proposed Depth of Well <u>50 Feet</u>
Proposed Capacity of Pump <u>9 G.P.M.</u>	Method of Drilling (cable-tool, rotary, etc.) <u>AUGUR</u>
Use of Well (See Reverse) <u>DOMESTIC</u>	

LOCATION OF WELL

Lot# <u>1E</u>	Block# <u>97C</u>	Municipality <u>FRANKLIN</u>	County <u>Glouce</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

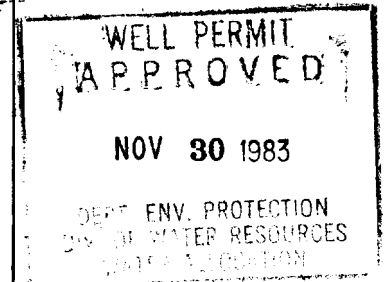
State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- Permit issued in accordance with provisions of letter of transmittal dated \_\_\_\_\_.
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- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- 

This Space for Approval Stamp



In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 11/19/83

Signature of Owner Theresa Stephens for DOW



STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-26625

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL **5**

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.7.98

Owner Joseph Muhlbaier  
Address R. R. #2 Box 313 Oak Lane  
Malaga, New Jersey 08328  
Name of Facility Joseph Muhlbaier  
Address Oak Lane  
Malaga, New Jersey 08328

Driller F. C. Capel & Son  
Address 751 Mantua Blvd.  
Sewell, New Jersey 08080

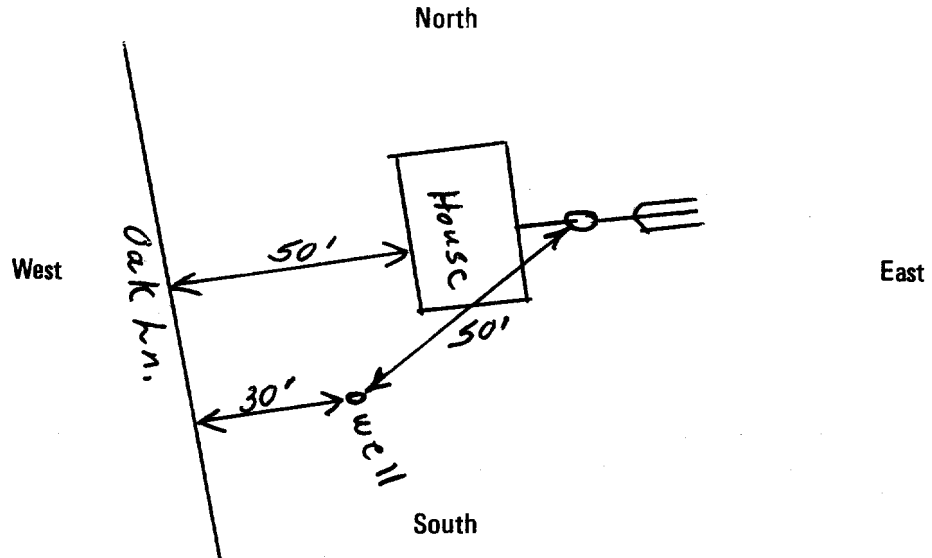
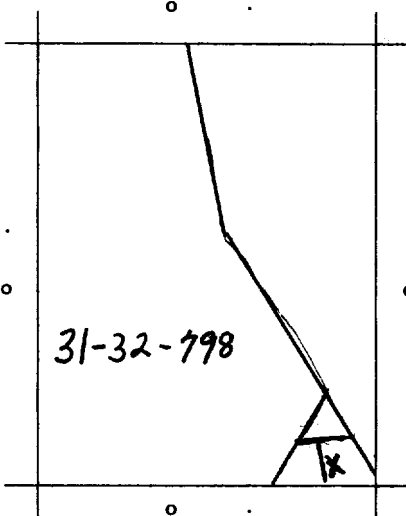
Diameter of Well	4	Inches	Proposed Depth of Well	100	Feet
Proposed Capacity of Pump	10	GPM	Method of Drilling	(cable-tool, rotary, etc.) rotary	
Use of Well (See Reverse)	Domestic - replacement				

LOCATION OF WELL

Lot #	Block #	Municipality	County
13 & 23	A-261	Franklin	Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

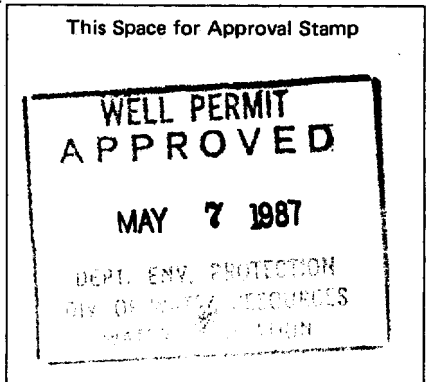
State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp



In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date April 20, 1987

Signature of Owner Joseph Muhlbaier

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

WELPMT 042 1030

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Mail to

Water Allocation  
CN 029  
Trenton, N.J. 08625

Permit No. 3126858

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

5  
31.32.7.98

Owner Dante DaTorre  
Address Box 353B, Stanton Avenue  
Franklinville, New Jersey 08322  
Name of Facility \_\_\_\_\_  
Address Hiley Avenue and Triumph Avenue  
Franklinville, New Jersey 08322

Driller Uni-Tech Drilling  
Address P.O. Box 467  
Clayton, New Jersey 08312

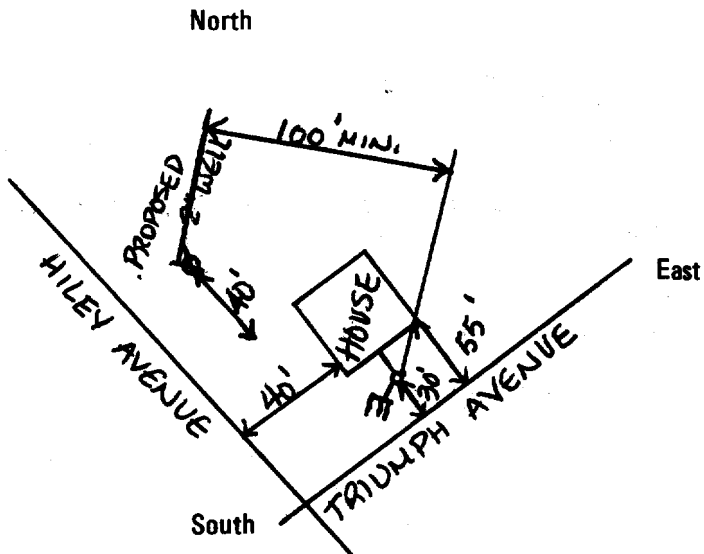
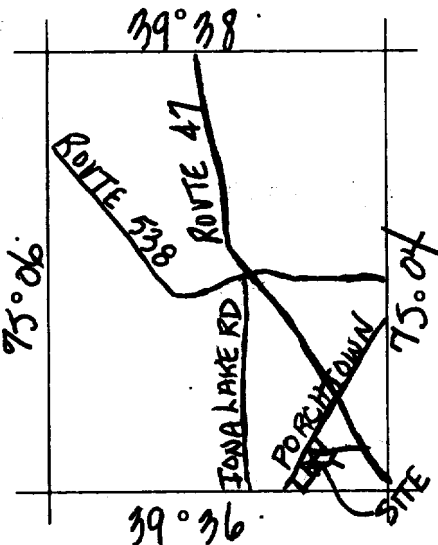
Diameter of Well	2	Inches	Proposed Depth of Well	60	Feet
Proposed Capacity of Pump	11	GPM	Method of Drilling	(cable-tool, rotary, etc.) Rotary	
Use of Well (See Reverse)	Domestic				

LOCATION OF WELL

Lot # 7, 7A, 8, 9, & 11	Block# 129	Municipality Franklin	County Gloucester
-------------------------	------------	-----------------------	-------------------

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

WELL PERMIT  
APPROVED

JUN 22 1987

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date June 11, 1987

Signature of Owner \_\_\_\_\_

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

Driller \_\_\_\_\_  
WELPMT 042 1226

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Mail to

Water Allocation  
CN 029  
Trenton, N.J. 08625

Permit No. 3127125

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.327.93

Owner Stanley M. Sherman Driller Douglas K. Lewis  
Address Blackwood Tower WilliamsTown Rd Address 214 S. Horace ST  
Franklinville, N.J. Woodbury, NJ, 08096

Name of Facility \_\_\_\_\_  
Address Same as above

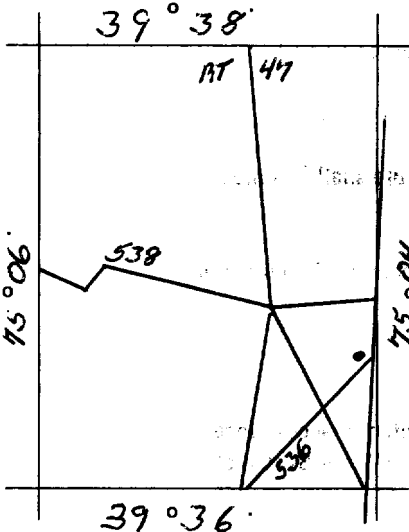
Diameter of Well	<u>4</u> Inches	Proposed Depth of Well	<u>100</u> Feet
Proposed Capacity of Pump	<u>10</u> GPM	Method of Drilling	<u>Rotary</u> (cable-tool, rotary, etc.)
Use of Well (See Reverse)	<u>Domestic (Replacement)</u>		

LOCATION OF WELL

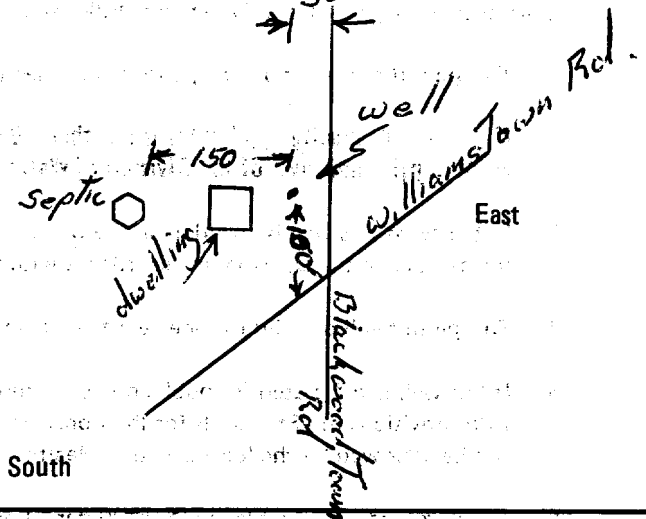
Lot #	Block #	Municipality	County
<u>8A</u>	<u>64</u>	<u>Franklin Twp</u>	<u>Gloucester</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



North

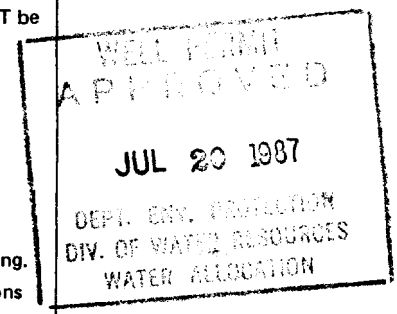


South

SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.

This Space for Approval Stamp



In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 7-13-87

Signature of Owner

Douglas K. Lewis Stanley M. signing for

COPIES:

Water Allocation - White

Health Dept. - Yellow

Owner - Blue

WELPMT 042 1419

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 3127445-0

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELLS

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.7 98

Owner Bob Dobson  
Address Rd. #1, Box 1508  
Franklinville, NJ. 08322  
Name of Facility Route 55 Freeway  
Address Franklin Twp.  
Gloucester Co., NJ.

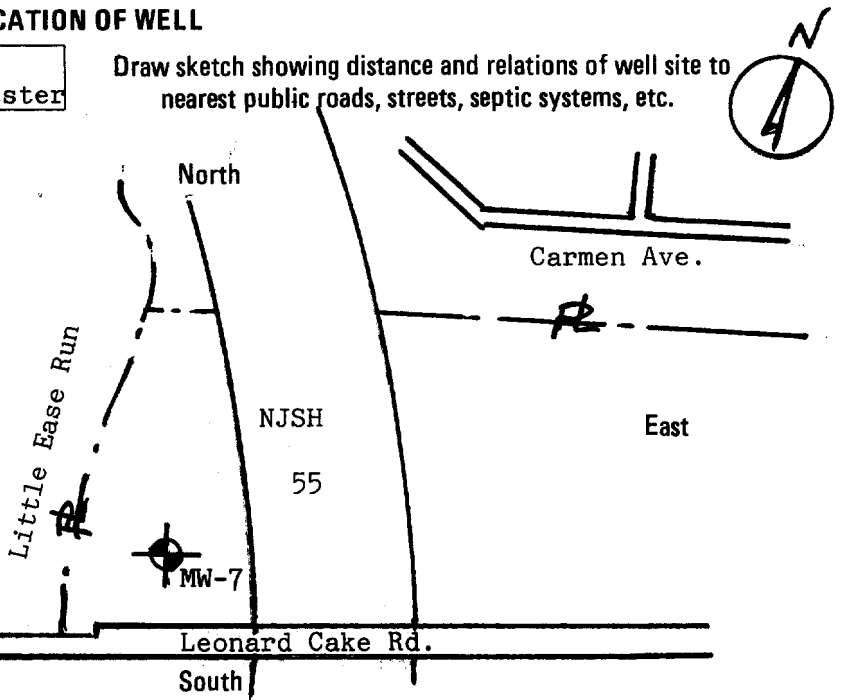
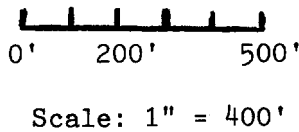
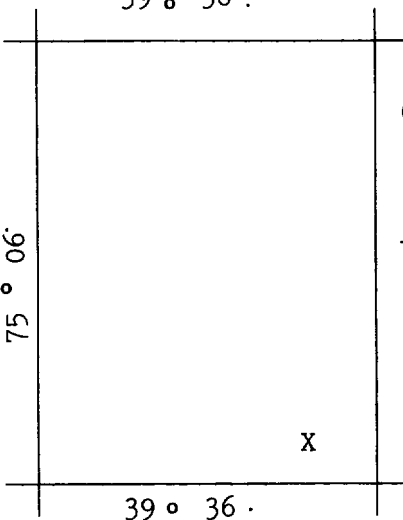
Driller J. E. Fritts & Associates, Inc.  
Address P. O. Box 333  
Voorhees, NJ. 08043

Diameter of Well	4	Inches	Proposed Depth of Well	15	Feet
Proposed Capacity of Pump	None	GPM	Method of Drilling (cable-tool, rotary, etc.)	HSA	
Use of Well (See Reverse)	Monitoring				

LOCATION OF WELL

Lot #	Block #	Municipality	County
10	4202	Franklin Twp.	Gloucester

State Atlas Map No. 31  
39 o 38 .



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

WELL PERMIT APPROVED  
Dept. of Environmental Protection  
Water Resources/Water Allocation

SEP 9 1987

WELL SEALED ..... 5/25/89 .....

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date September 1, 1987

Signature of Owner [Signature]

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 3127496-3

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL 5

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.7 98

Owner Gary W. Dheel  
Address Rd. #1, Box 1546B  
Franklinville, NJ. 08322  
Name of Facility Route 55 Freeway  
Address Franklin Twp.  
Gloucester Co., NJ.

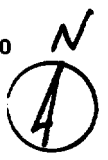
Driller J. E. Fritts & Associates, Inc.  
Address P. O. Box 333  
Voorhees, NJ. 08043

Diameter of Well	4	Inches	Proposed Depth of Well	15	Feet
Proposed Capacity of Pump	None	GPM	Method of Drilling (cable-tool, rotary, etc.)	HSA	
Use of Well (See Reverse)			Monitoring		

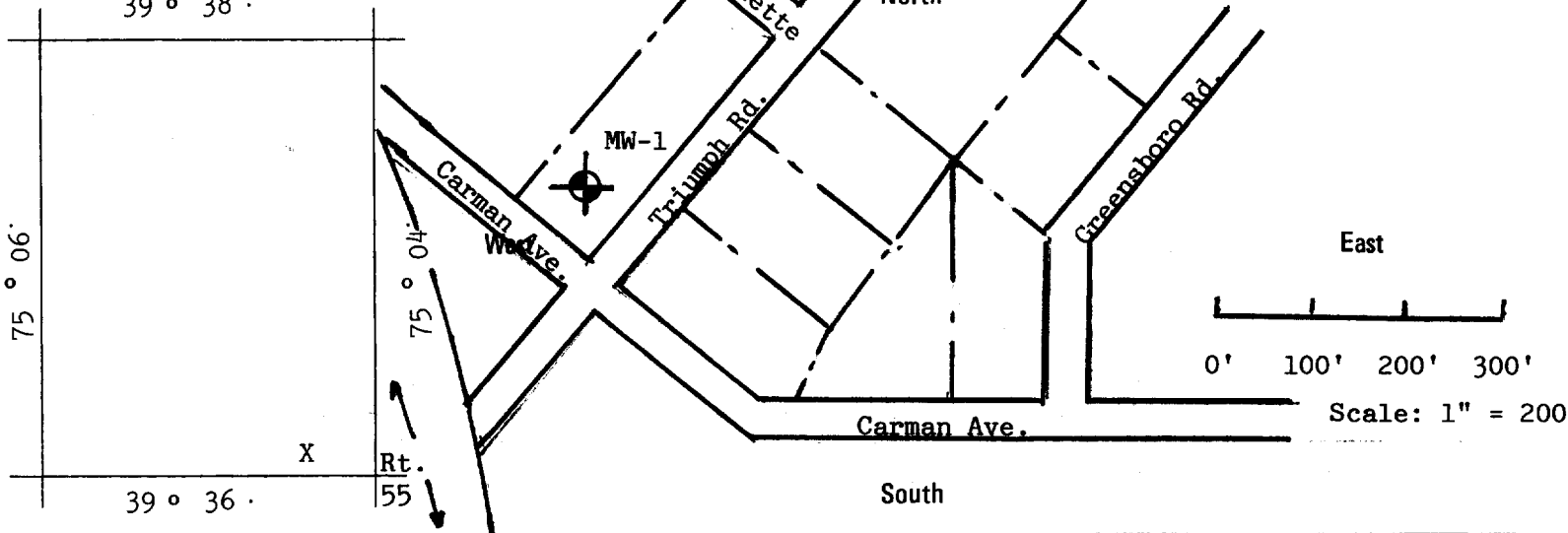
LOCATION OF WELL

Lot #	Block #	Municipality	County
4	4101	Franklin Twp.	Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.



State Atlas Map No. 31  
39 ° 38 .



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
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- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

WELL PERMIT APPROVED  
Dept. of Environmental Protection  
Water Allocation/Water Allocation

SEP 9 1987

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date September 1, 1987

Signature of Owner [Signature]  
Health Dept. - Yellow  
Owner - Blue

COPIES: Water Allocation - White

WELPMT 042 1687

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 3127447-1

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELLS

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.7 98

Owner NJ. Dept. of Transportation  
Address 1035 Parkway Ave.  
Trenton, NJ. 08625  
Name of Facility Route 55 Freeway  
Address Franklin Twp.  
Gloucester Co., NJ.

Driller J. E. Fritts & Associates, Inc.  
Address P. O. Box 333  
Voorhees, NJ. 08043

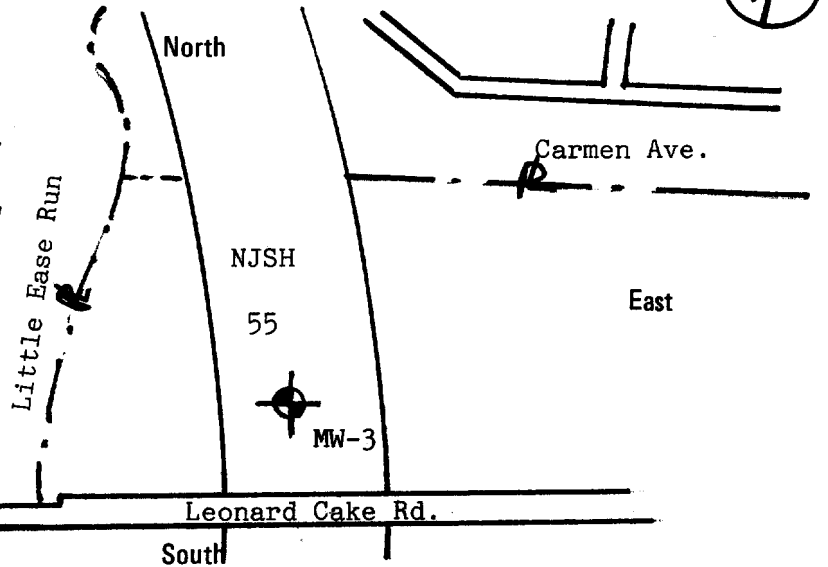
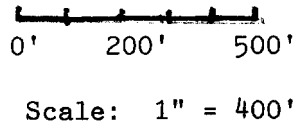
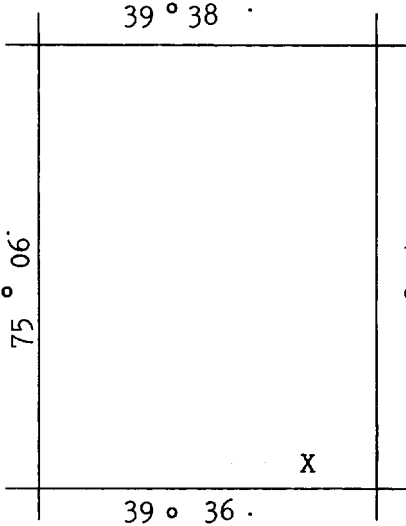
Diameter of Well	<u>4 Inches</u>	Proposed Depth of Well	<u>15 Feet</u>
Proposed Capacity of Pump	<u>None GPM</u>	Method of Drilling (cable-tool, rotary, etc.)	<u>HSA</u>
Use of Well (See Reverse)	<u>Monitoring</u>		

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>15</u>	<u>4202</u>	<u>Franklin Twp.</u>	<u>Gloucester</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

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- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
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- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

WELL PERMIT APPROVED  
Dept. of Environmental Protection  
Water Resources/Water Allocation

SEP 9 1987

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date September 1, 1987

Signature of Owner

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

WELPMT 042 1688

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 3127448-0

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL 5

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.327 98

Owner Joseph Welischek  
Address Rd. #1, Box 1498  
Franklinville, NJ. 08322  
Name of Facility Route 55 Freeway  
Address Franklin Twp.  
Gloucester Co., NJ.

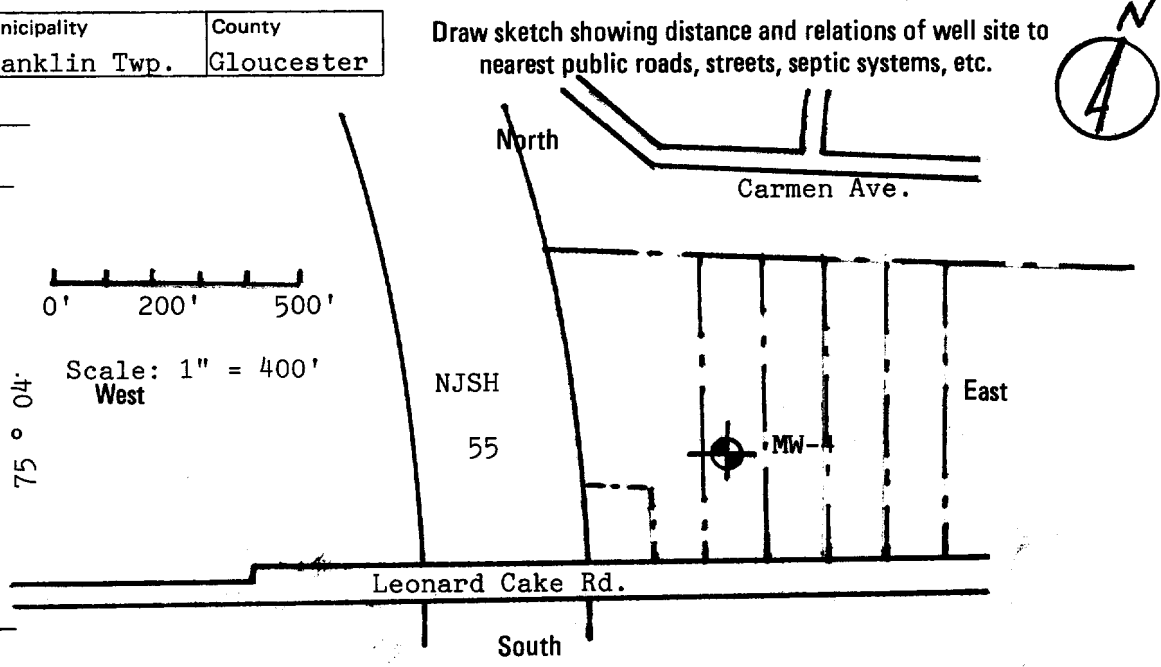
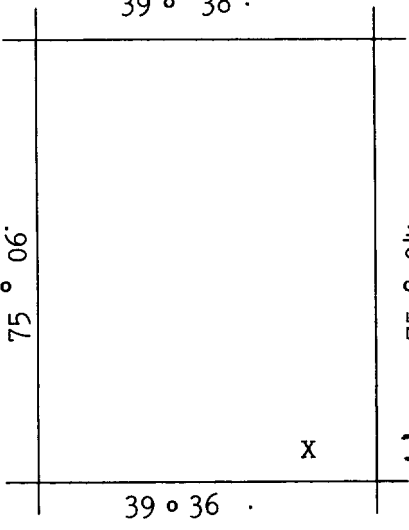
Driller J. E. Fritts & Associates, Inc.  
Address P. O. Box 333  
Voorhees, NJ. 08043

Diameter of Well	<u>4</u> Inches	Proposed Depth of Well	<u>15</u> Feet
Proposed Capacity of Pump	<u>None</u> GPM	Method of Drilling (cable-tool, rotary, etc.)	<u>HSA</u>
Use of Well (See Reverse)	<u>Monitoring</u>		

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>21</u>	<u>4203</u>	<u>Franklin Twp.</u>	<u>Gloucester</u>

State Atlas Map No. 31  
39 ° 38 .



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
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- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

APPROVED  
Department of Environmental Protection  
Water Resources/Water Allocation

SEP 9 1987

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date September 1, 1987

Signature of Owner [Signature]  
Owner - Blue

COPIES: Water Allocation - White

Health Dept. - Yellow

WELPMT 042 1689

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 3127450-1

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL 5

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31 32.7 97

Owner Township of Franklin  
Address Delsea Drive  
Franklinville, NJ. 08322  
Name of Facility Route 55 Freeway  
Address Franklin Twp.  
Gloucester Co., NJ.

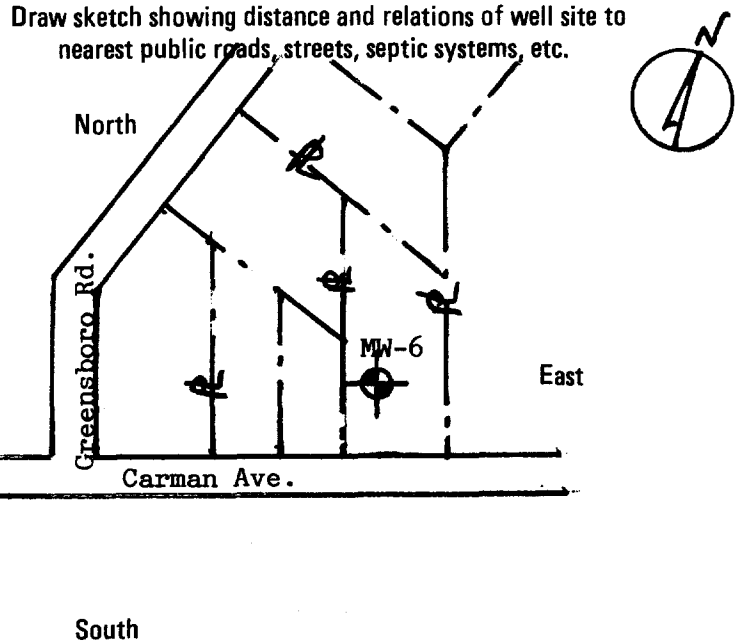
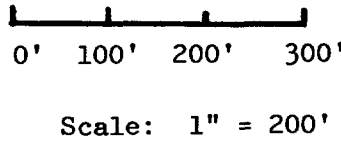
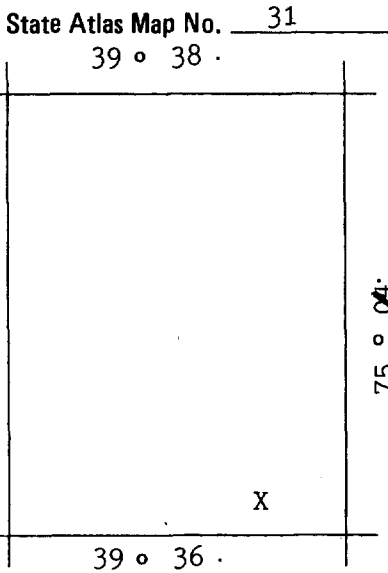
Driller J. E. Fritts & Associates, Inc.  
Address P. O. Box 333  
Voorhees, NJ. 08043

Diameter of Well	<u>4</u> Inches	Proposed Depth of Well	<u>15</u> Feet
Proposed Capacity of Pump	<u>None</u> GPM	Method of Drilling (cable-tool, rotary, etc.)	<u>HSA</u>
Use of Well (See Reverse)	<u>Monitoring</u>		

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>5</u>	<u>4115</u>	<u>Franklin Twp.</u>	<u>Gloucester</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

APPROVED

Director of Environmental Protection

Division of Water Allocation

SEP 9 1987

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date September 1, 1987

Signature of Owner [Signature]

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

WELPMT 042 1690



STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 3127451-0

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELLS 5

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.7 98

Owner Bob Dobson  
Address Rd. #1, Box 1508  
Franklinville, NJ. 08322  
Name of Facility Route 55 Freeway  
Address Franklin Twp.  
Gloucester Co., NJ.

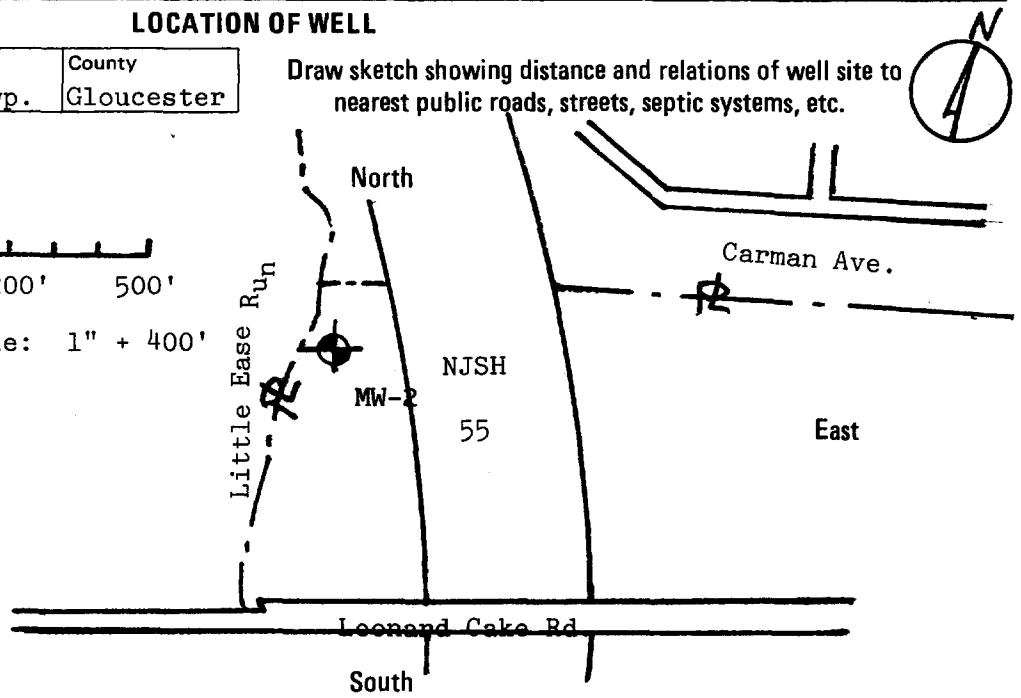
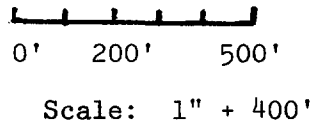
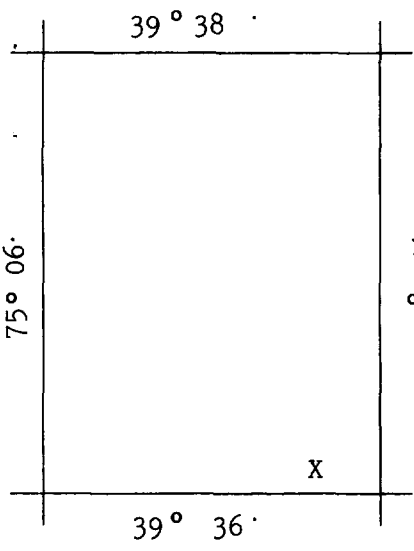
Driller J. E. Fritts & Associates, Inc.  
Address P. O. Box 333  
Voorhees, NJ. 08043

Diameter of Well	4 Inches	Proposed Depth of Well	15 Feet
Proposed Capacity of Pump	None GPM	Method of Drilling (cable-tool, rotary, etc.)	HSA
Use of Well (See Reverse)	Monitoring		

LOCATION OF WELL

Lot #	Block #	Municipality	County
10	4202	Franklin Twp.	Gloucester

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

WELL PERMIT APPROVED  
Dept. of Environmental Protection  
Water Resources/Water Allocation

SEP 9 1987

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date September 1, 1987

Signature of Owner

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-27606

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.327.96

Owner MR FIALO  
Address RT 47  
FRANKLINVILLE N.J.  
Name of Facility KNOWN AS TONA  
Address TRALEN PARK

Driller RON ANDERSON Well Drilling  
Address 143 - FAUNTON AVE  
ATCO, N.J. 0800X

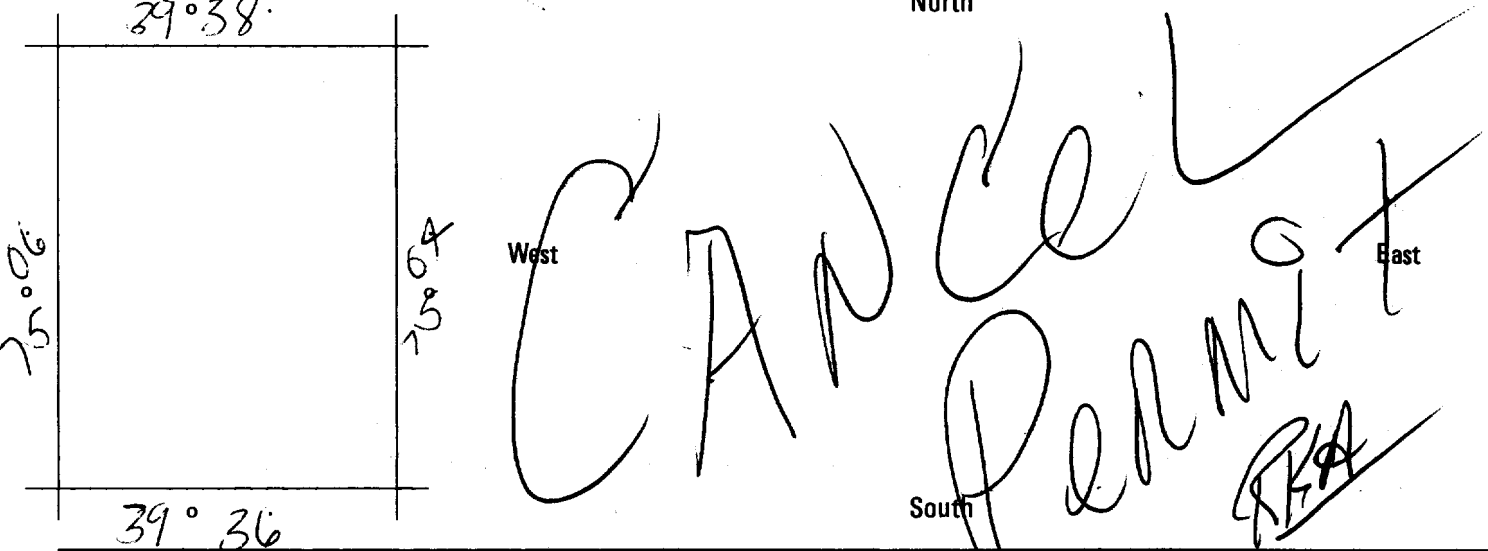
Diameter of Well	<u>4 1/2</u> Inches	Proposed Depth of Well	<u>100'</u> Feet
Proposed Capacity of Pump	<u>25</u> GPM	Method of Drilling	<u>Rotary</u> (cable-tool, rotary, etc.)
Use of Well (See Reverse)	<u>Replacement</u>		

LOCATION OF WELL

Lot #	Block #	Municipality	County
		<u>Franklin</u>	<u>Gloucester</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31-  
29°38'



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

WELPMT  
APPROVED  
JAN 10 1988  
DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 10-13-87

Signature of Owner Ronald Anderson

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-27827

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.7.98

Owner Lorenza L. Lamb JR.  
Address 8 Greensboro Rd  
Franklinville N.J.  
Name of Facility A PRIVATE DWELLING  
Address SAME

Driller GEORGE MAYERS  
Address RT 3 BOX 93  
SEWELL N.J. 08080

Diameter of Well	<u>4</u> Inches	Proposed Depth of Well	<u>100</u> Feet
Proposed Capacity of Pump	<u>10</u> GPM	Method of Drilling (cable-tool, rotary, etc.)	<u>ROTARY</u>
Use of Well (See Reverse) <u>REPLACEMENT</u>			

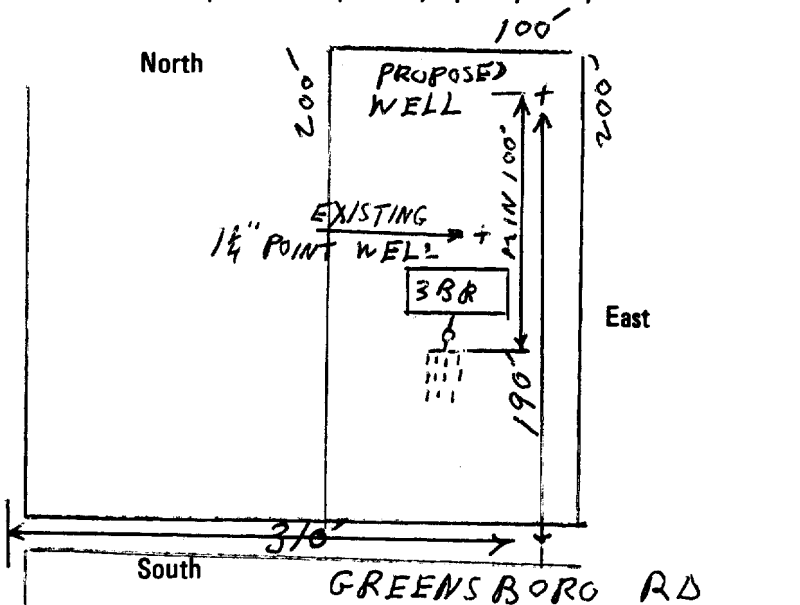
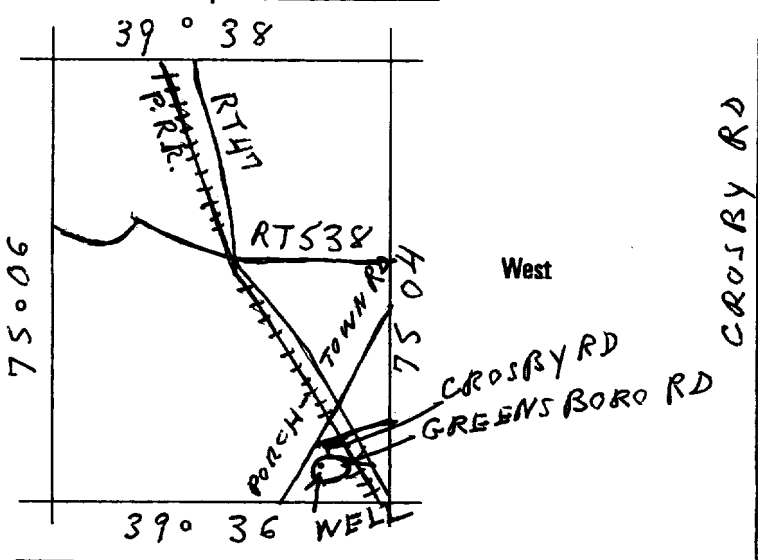
DEFICIENT SUPPLY (1 1/4" POINT WELL 1978)

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>10</u>	<u>4115</u>	<u>FRANKLINTWP</u>	<u>GLOUCESTER</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc. 110

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
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- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

**WELL PERMIT  
APPROVED**

**DEC 10 1987**

DEPT. ENV. PROTECTION  
DIV. OF WATER RESOURCES  
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 11/27/87

X Signature of Owner Lorenza L. Lamb Jr.

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

3128078  
PERMIT #

PERMIT MISSING

Faiola, Anthony  
NAME  
Franklin Twp.  
TOWNSHIP

Jim Mesiano  
DRILLER  
3132799  
COORDINATE NUMBER  
1/25/88  
APPROVAL DATE

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

5

Permit No. 31-28192

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.42.1 .33

Owner D+M Builders  
Address RD #2 BOX #6 DEISEA DR  
FRANKLINVILLE, NJ, 08322  
Name of Facility BROWN  
Address OAK LANE, CAKE RD  
FRANKLINVILLE NJ,

Driller FRANK FONTE INC  
Address 379 Egg Harbor RD  
Blue Anchor NJ 08037

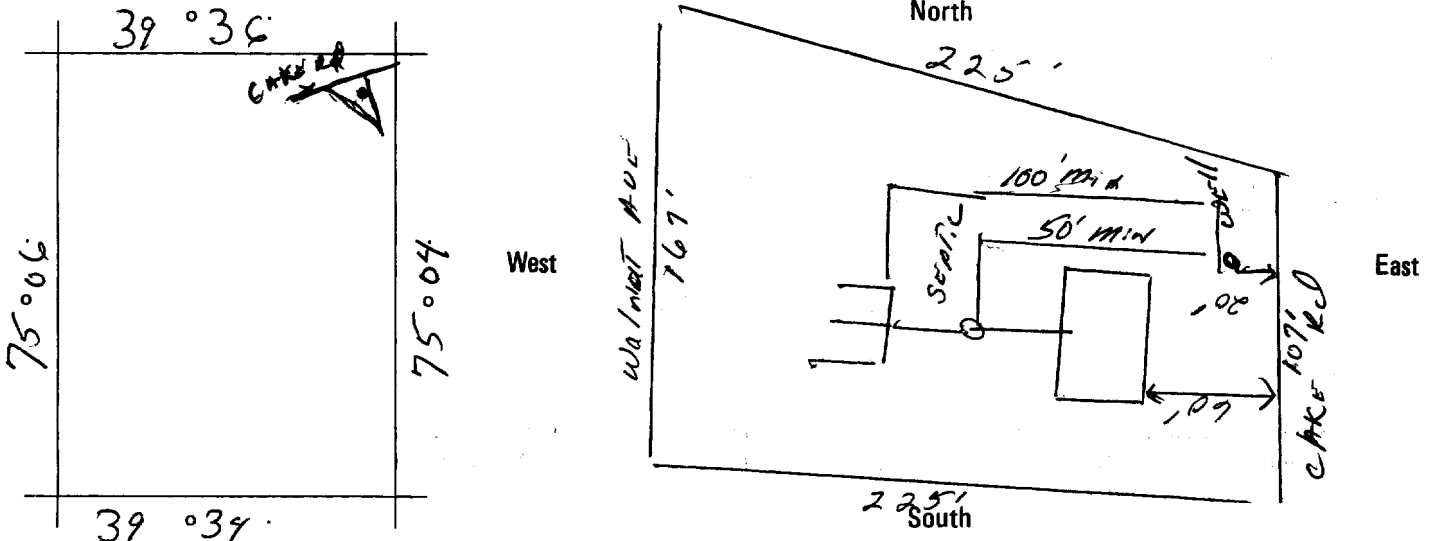
Diameter of Well	<u>4</u> Inches	Proposed Depth of Well	<u>100</u> Feet
Proposed Capacity of Pump	<u>15</u> GPM	Method of Drilling	<u>Rotary</u> (cable-tool, rotary, etc.)
Use of Well (See Reverse)	<u>DOMESTIC</u>		

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>18</u>	<u>4401</u>	<u>FRANKLIN</u>	<u>MOU</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

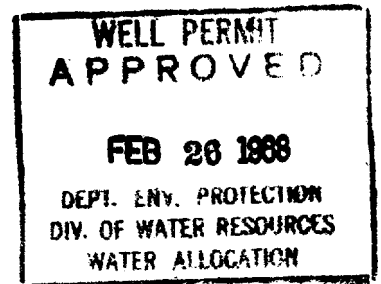
State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp



In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 2/22/88

Signature of Owner D+M Builders *(WRM)*

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

Permit No. 31-28502

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.32.7.97

Owner JANET MONTALTO  
Address RD 1 BOX 16 GREENSBORO RD  
FRANKLINVILLE N.J. 08322

Driller GEORGE MAYERS  
Address RT 3 BOX 93  
SEWELL N.J. 08080

Name of Facility PRIVATE DWELLING  
Address SAME

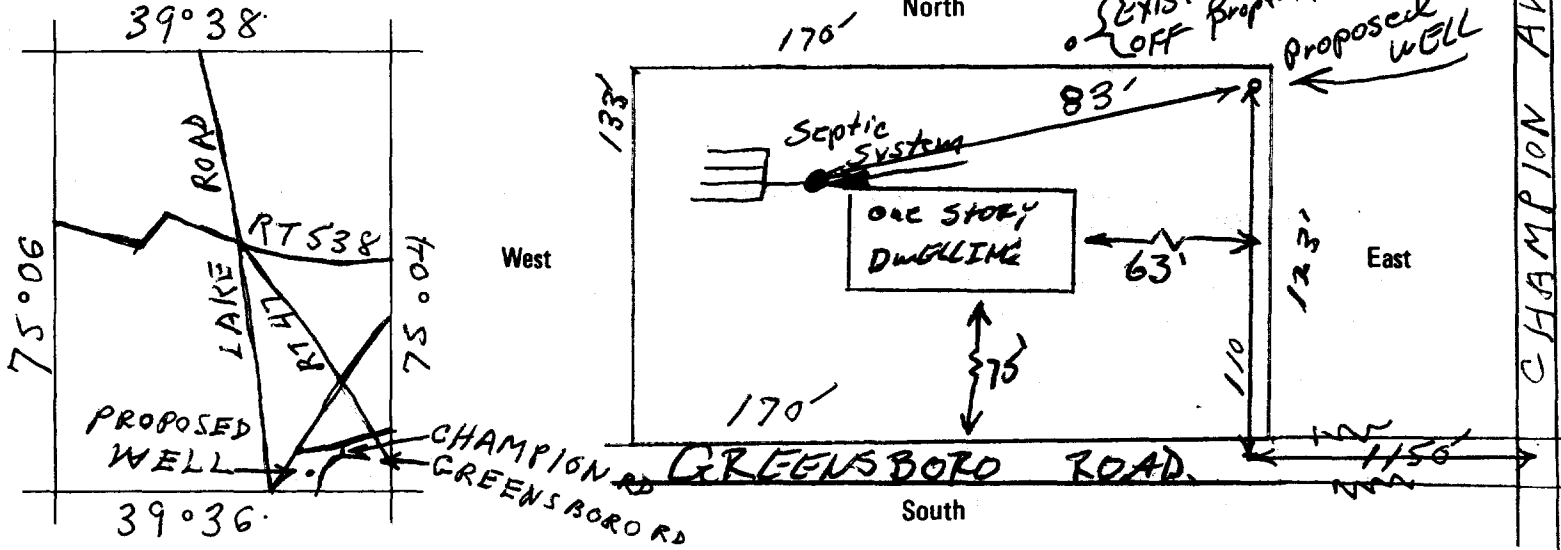
Diameter of Well	4	Inches	Proposed Depth of Well	100	Feet
Proposed Capacity of Pump	10	GPM	Method of Drilling	(cable-tool, rotary, etc.) <u>ROTARY</u>	
Use of Well (See Reverse)	<u>Replacement</u>				

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>16</u>	<u>4116</u>	<u>FRANKLIN TWP</u>	<u>GLOUCESTER</u>

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc. 100

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

WELL PERMIT APPROVED  
This Space for Approval Stamp  
Dept. of Environmental Protection  
Water Resources/Water Allocation

MAY 04 1988

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 4/25/88

Signature of Owner Janet Montalto

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

DWR-133 (7/89) SERIAL # 21950

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES TRENTON, N.J.

Permit No. 31-34157

Water Allocation CN 029 Trenton, N.J. 08625

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P. COORD #: 31.32.799

Owner Hoffman, DiMuzio, Hoffman & Marcus  
Address 35 Hunter Street  
Woodbury, New Jersey 08096

Driller F. C. Capel & Son  
Address 751 Mantua Blvd.  
Sewell, New Jersey 08080

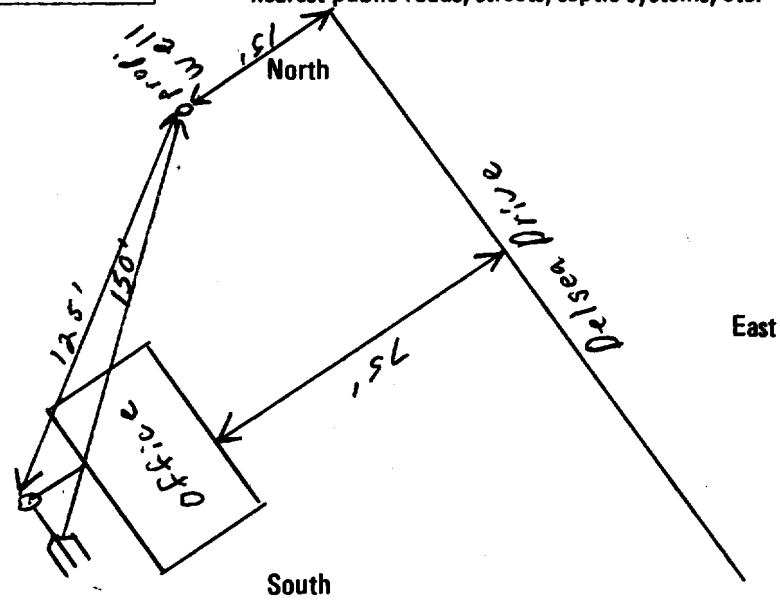
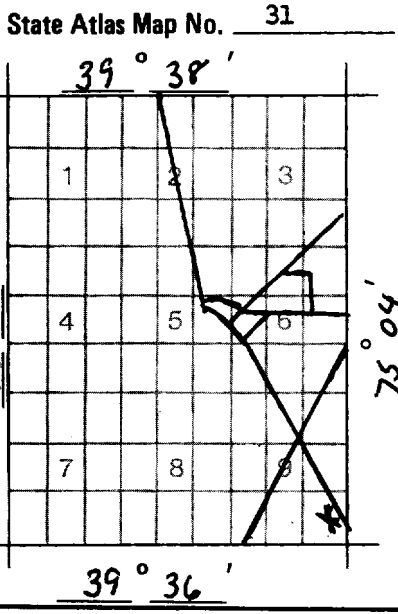
Name of Facility Hoffman, DiMuzio, Hoffman & Marcus  
Address Delsea Drive  
Franklinville, New Jersey

Diameter of Well	4 Inches	Proposed Depth of Well	120 Feet
Proposed Capacity of Pump	20 GPM	Method of Drilling (cable-tool, rotary, etc.)	rotary
Use of Well (See Reverse)	Replacement Dug well		
Drinking Water Supply?	yes (see #6 on reverse)		no

LOCATION OF WELL

Lot #	Block #	Municipality	County
6	4204	Franklin	Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et. seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1et. seq.
- DOMESTIC IRRIGATION SUPPLY - No piping from the well for which the permit applies shall enter any building.
- HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well. A two hour pump test must be performed on the return well at a rate of 1½ times the estimated return flow of water.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et. seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.94(a)4.v. are met.
- GEOPHYSICAL LOGS of this well must be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- SAMPLES of cuttings required every \_\_\_\_\_ feet or change in material.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).

This Space for Approval Stamp

WELL PERMIT APPROVED

Dept. of Environmental Protection  
Water Resources

JUN 12 1990

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date June 8, 1990

Signature of Driller Frederick C. Capel  
Signature of Owner Joseph Hoffmann

Mail to

Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31 32.799

Owner Wm. & R. Worcester  
Address 1584 Station Rd  
Franklinville, NJ 08322  
Name of Facility Same  
Address \_\_\_\_\_

Driller Uni-Tech Drilling Co, Inc  
Address P.O. Box 467  
Clayton, NJ 08312

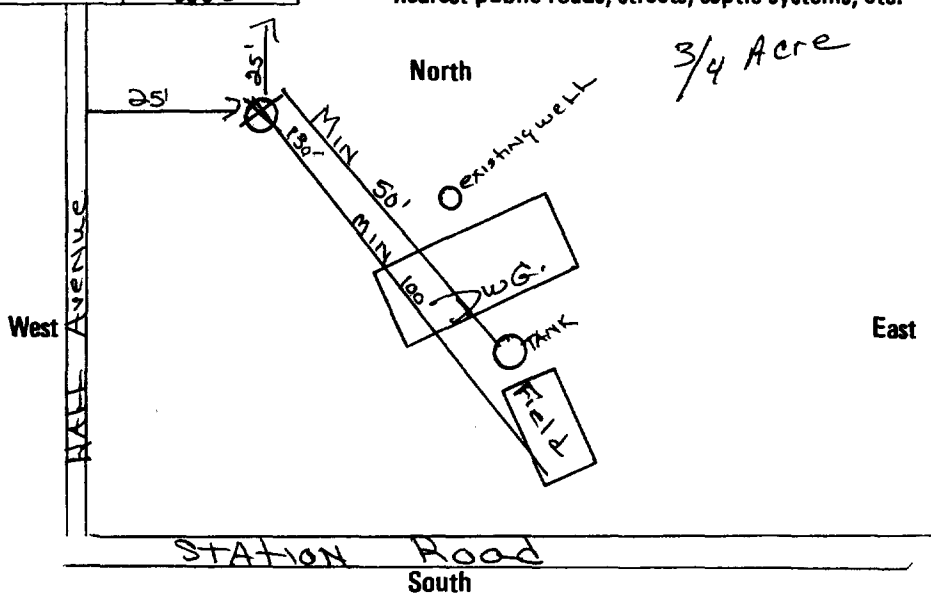
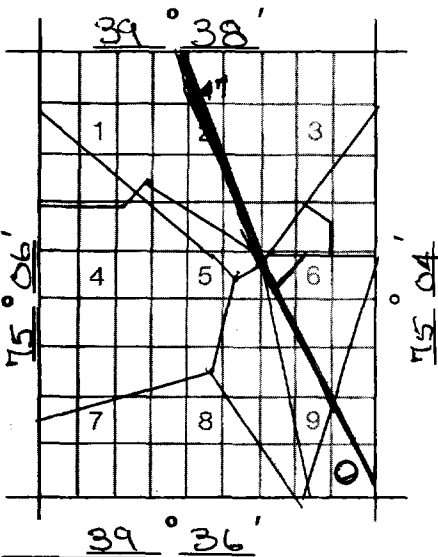
Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	11 GPM	Method of Drilling	(cable-tool, rotary, etc.) Rotary
Use of Well (See Reverse)	Domestic Replacement		
Drinking Water Supply?	yes	yes (see #6 on reverse)	no

LOCATION OF WELL

Lot # 2 Block # 4110 Municipality Franklin County Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

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- HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well. A two hour pump test must be performed on the return well at a rate of 1 1/2 times the estimated return flow of water.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et. seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84(a)4.v. are met.
- GEOPHYSICAL LOGS of this well must be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- SAMPLES of cuttings required every \_\_\_\_\_ feet or change in material.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).

This Space for Approval Stamp

WELL PERMIT APPROVED

Dept. of Environmental Protection  
Water Resources/Water Allocation

JUL 25 1990

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 6-14-90

Signature of Driller William Jester  
Signature of Owner Bill Worcester



STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Mail to

Water Allocation (A)  
CN 029  
Trenton, N.J. 08625

Permit No. 3128707

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

31.42.1.32

Owner James & Donna Brady  
Address Leonard Cake Rd.  
Franklinville, N.J.  
Name of Facility Same  
Address \_\_\_\_\_

Driller Dale Miller's Well&Pump Service  
Address 1148 Gibbsboro Rd.  
Voorhees, N.J. 08043

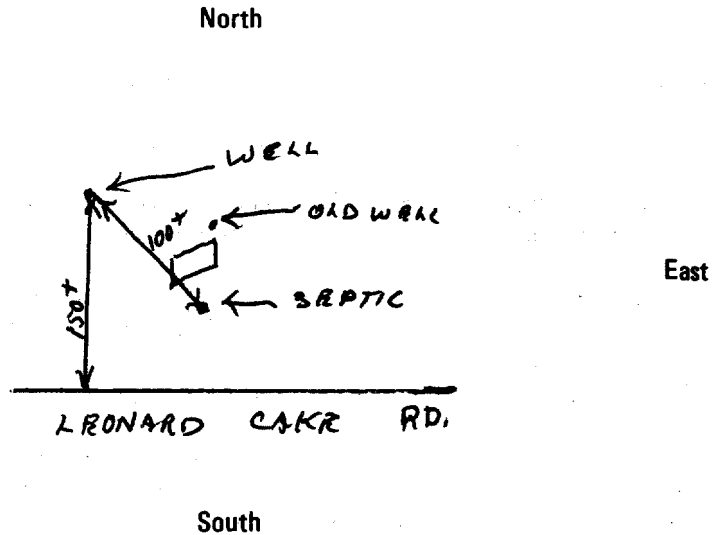
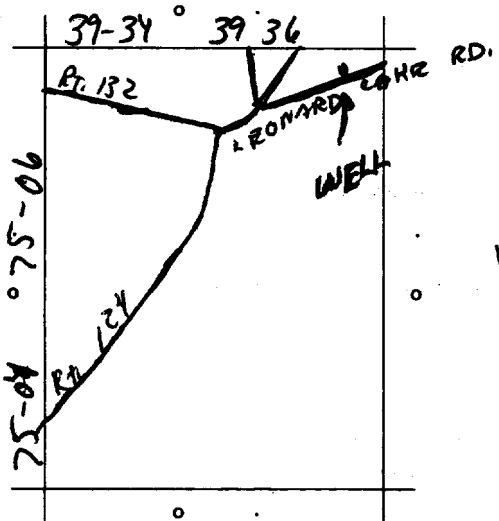
Diameter of Well	4	Inches	Proposed Depth of Well	100	Feet
Proposed Capacity of Pump	10	GPM	Method of Drilling (cable-tool, rotary, etc.)	ROTARY	
Use of Well (See Reverse)	DOMESTIC				

LOCATION OF WELL

Lot #	Block #	Municipality	County
8D	37A	Franklin	Glous.

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31-



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

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- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
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- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
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- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

**WELL PERMIT APPROVED**  
Dept. of Environmental Protection  
Water Resources/Water Allocation

**MAY 25 1988**

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 5/26/88

Signature of Owner [Signature]  
Health Dept. - Yellow  
Owner - blue

COPIES: Water Allocation - White

WELPMT 042 2643

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-29417

Mail to

Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD#: 31.32.7 98

Owner DENNIS SHIPLEY  
Address RD #1, BOX 1549  
FRANKLINVILLE, NJ 08322  
Name of Facility \_\_\_\_\_  
Address TRIUMPH & CARMON  
FRANKLINVILLE, NJ 08322

Driller UNI-TECH  
Address BOX 467  
CLAYTON, NJ 08312

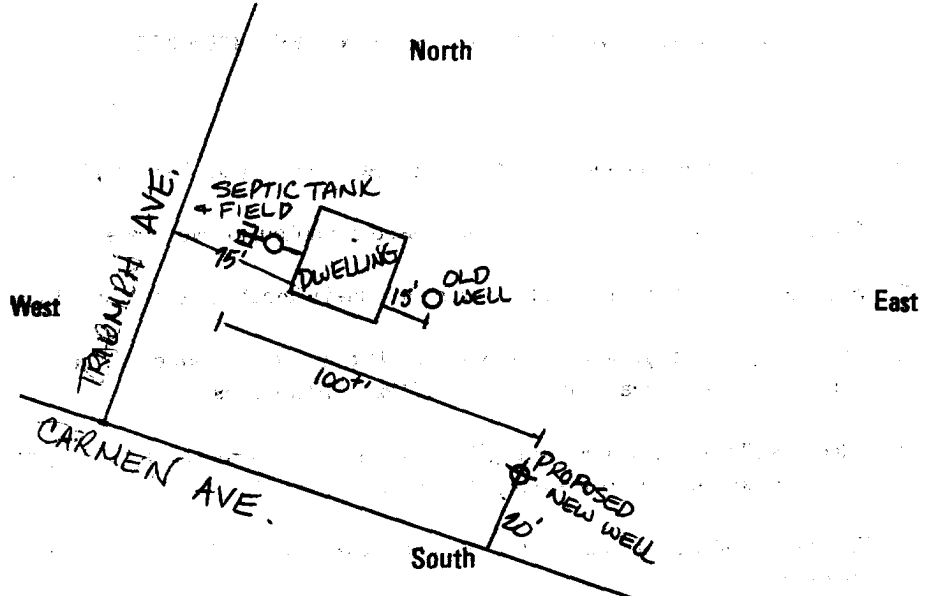
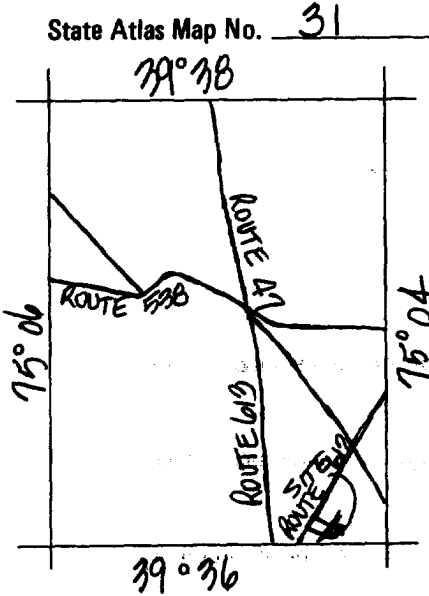
Diameter of Well	4" Inches	Proposed Depth of Well	100' Feet
Proposed Capacity of Pump	10 GPM	Method of Drilling	(cable-tool/rotary, etc.)
Use of Well (See Reverse)	REPLACEMENT		

LOCATION OF WELL

Lot #	Block #	Municipality	County
1	4116	FRANKLIN	GLDUC.

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

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- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

**WELL PERMIT APPROVED**  
Dept. of Environmental Protection  
Water Resources/Water Allocation

**SEP 14 1988**

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 8 Sept 88

Signature of Owner Dennis Shipley

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

Driller - White

WELPMT 043 0016

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Permit No. 31-29533

Mail to  
Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD#: 31 32.793

Owner D+M Builders Driller FRANK FORTK INC  
 Address RD # 2 Box #6 DELSER DR Address 379 Egg Harbor Rd  
Franklinville NJ 08322 Blue Anchor NJ 08037  
 Name of Facility D+M Builders  
 Address DELSER DR  
FRANKLINVILLE NJ

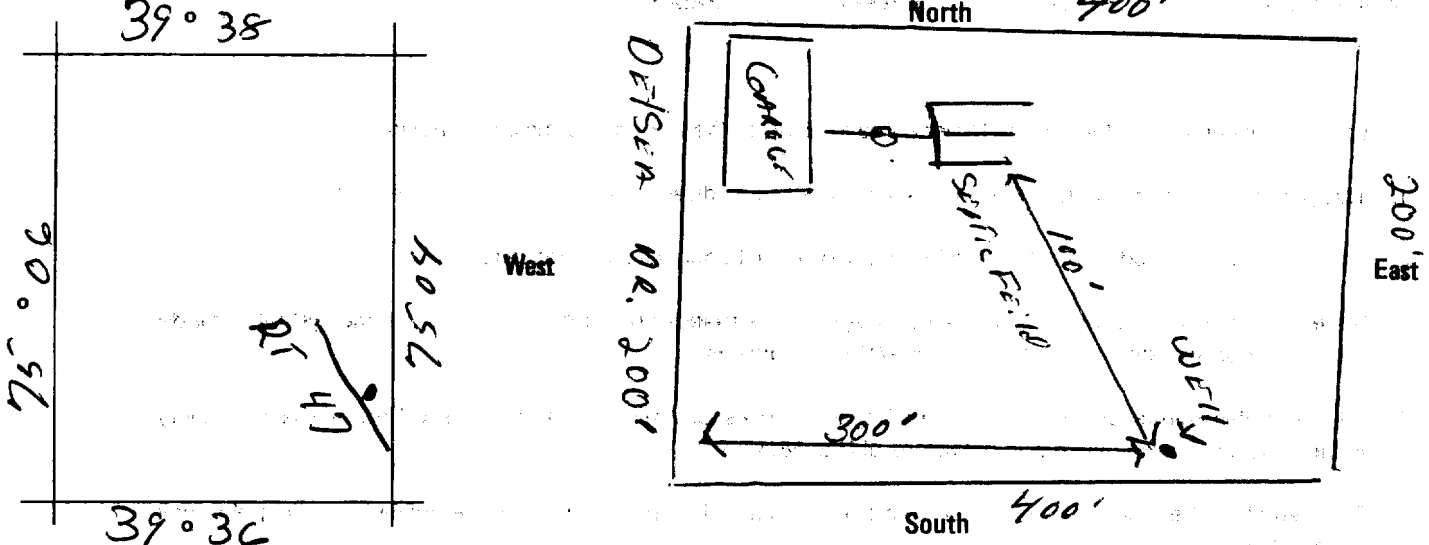
Diameter of Well	<u>4</u> Inches	Proposed Depth of Well	<u>100'</u> Feet
Proposed Capacity of Pump	<u>15</u> GPM	Method of Drilling (cable-tool, rotary, etc.)	<u>Rotary</u>
Use of Well (See Reverse) <u>DOMESTIC</u>			

LOCATION OF WELL

Lot # <u>4</u>	Block # <u>4001</u>	Municipality <u>Franklin</u>	County <u>Glouce</u>
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Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS.

- Pinelands - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- Samples of cuttings required every \_\_\_\_\_ feet or change in material.
- The results of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_.
- Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- \_\_\_\_\_

This Space for Approval Stamp

**WELL PERMIT APPROVED**  
 Dept. of Environmental Protection  
 Water Resources/Water Allocation

**SEP 28 1988**

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date \_\_\_\_\_

Signature of Owner \_\_\_\_\_

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
TRENTON, N.J.

Mail to

Water Allocation  
CN 029  
Trenton, N.J. 08625

PERMIT TO DRILL WELL

Permit No. 31-31239

5

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32 7, 95

Owner Franklin Savings Bank, S.L.A.  
Address 137 West ~~XXXXXX~~ Broadway  
Salem, New Jersey 08079  
Name of Facility Franklin Savings Bank  
Address Delsea Drive  
Franklinville, New Jersey

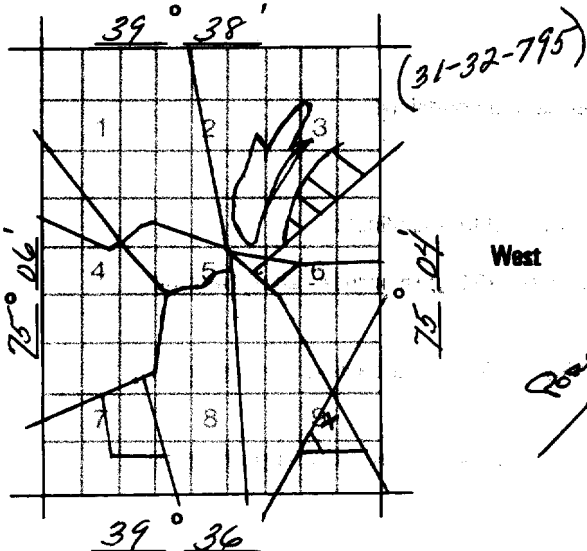
Driller James C. Mesiano  
Address R.D.#5, Box 61-A  
Williamstown, New Jersey 08094

Diameter of Well	4	Proposed Depth of Well	120	Feet
Proposed Capacity of Pump	25	Method of Drilling (Cable-tool, rotary, etc.)	Rotary	
Use of Well (See Reverse)	Public-Non-Community			
Drinking Water Supply?	XXXX	(see #6 on reverse)	no	

LOCATION OF WELL

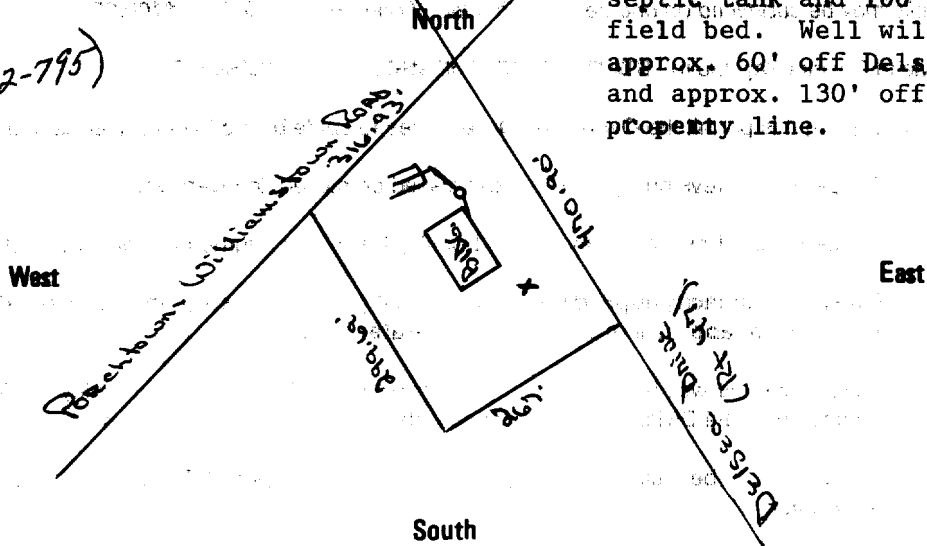
Lot #	Block #	Municipality	County
5 and 6	3505	Franklin Twp.	Gloucester

State Atlas Map No. 31



Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

Well will be 50' min. from septic tank and 100' min. from field bed. Well will be located approx. 60' off Delsea Drive and approx. 130' off left property line.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et. seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.2 and be constructed in compliance with N.J.A.C. 7:10-11.3.
- DOMESTIC IRRIGATION SUPPLY - No piping from the well for which the permit applies shall enter any building.
- HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well. A two hour pump test must be performed on the return well at a rate of 1 1/2 times the estimated return flow of water.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et. seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- MONITORING PURPOSES ONLY       IRRIGATION PURPOSES ONLY       TEST PURPOSES ONLY
- PINELANDS - Well must be drilled over 100' deep or a clay layer at least 4' in thickness must be encountered.
- GEOPHYSICAL LOGS of this well must be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- SAMPLES of cuttings required every \_\_\_\_\_ feet or change in material.
- RESULTS of a volatile organic scan must be obtained prior to using the water and submitted to \_\_\_\_\_
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).

This Space for Approval Stamp

**WELL PERMIT APPROVED**  
 Dept. of Environmental Protection  
 Water Resources / Water Allocation

JUN 5 1989

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date May 17, 1989

Signature of Driller James C. Mesiano  
Signature of Owner J.C.M. for Franklin Savings Bank, S.L.A.

Mail to

Water Allocation CN 029 Trenton, N.J. 08625

PERMIT TO DRILL WELL

05 8/28/91 Permit No. 31-37434

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.42.212

Owner John & Mary Lynam Address 31 Pennsylvania Avenue Williamstown, N.J. 08094

Driller A&H Environmental Drilling Inc. Address 516 Davis road Bannington, N.J. 08007

Name of Facility Same Address

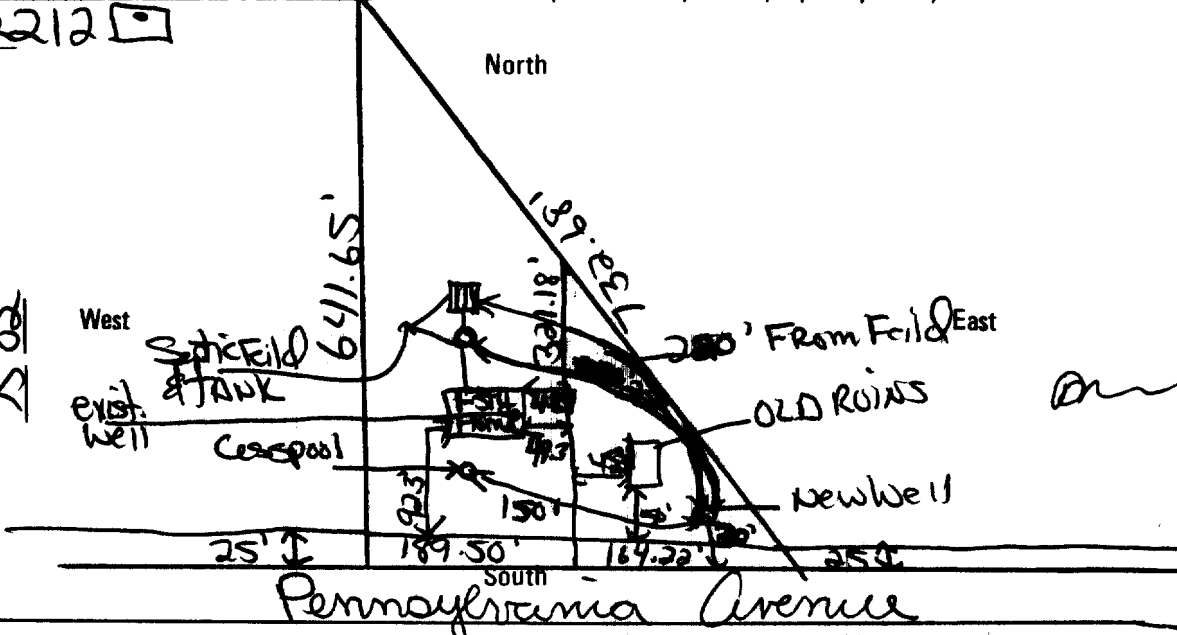
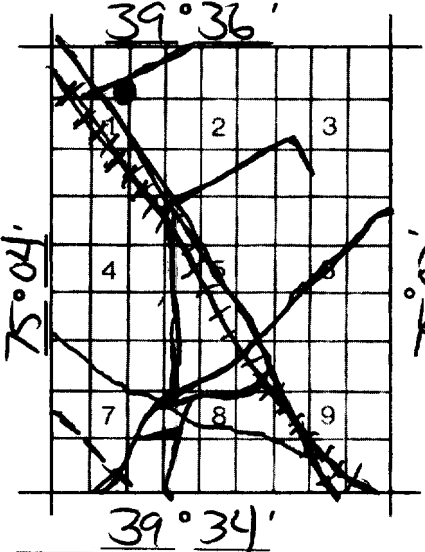
Table with well specifications: Diameter of Well 4" Inches, Proposed Depth of Well 100' Feet, Proposed Capacity of Pump 11 GPM, Method of Drilling Rotary, Use of Well Domestic-Replacement, Drinking Water Supply? XXXX (see #6 on reverse) no

LOCATION OF WELL

Lot # 41 Block # 1001 Municipality Franklin County Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31-42212



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et. seq.
PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1et. seq.
DOMESTIC IRRIGATION SUPPLY - No piping from the well for which the permit applies shall enter any building.
HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et. seq.
REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
IRRIGATION PURPOSES ONLY TEST PURPOSES ONLY
PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84(a)4.v. are met.
GEOPHYSICAL LOGS of this well must be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
SAMPLES of cuttings required every feet or change in material.
MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).

This Space for Approval Stamp
WELL PERMIT APPROVED
Dept. of Environmental Protection
Water Resources/Water Allocation
AUG 28 1991

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date August 28, 1991

Signature of Driller Ronald K. Anderson License No. 0980/1110
Signature of Owner Mary Lynam

Mail to

Water Allocation CN 029 Trenton, N.J. 08625

PERMIT TO DRILL WELL

05

10/23/91

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.30.718

Owner CHARLES R. KALNAS Driller RICHARD'S WELL DRILLING
Address 1676 STATION RD FRANKLINVILLE N.J. 08322 Address 244 NEWPORT RD. MILWILK N.J. 08332

Name of Facility DWELLING
Address SAME

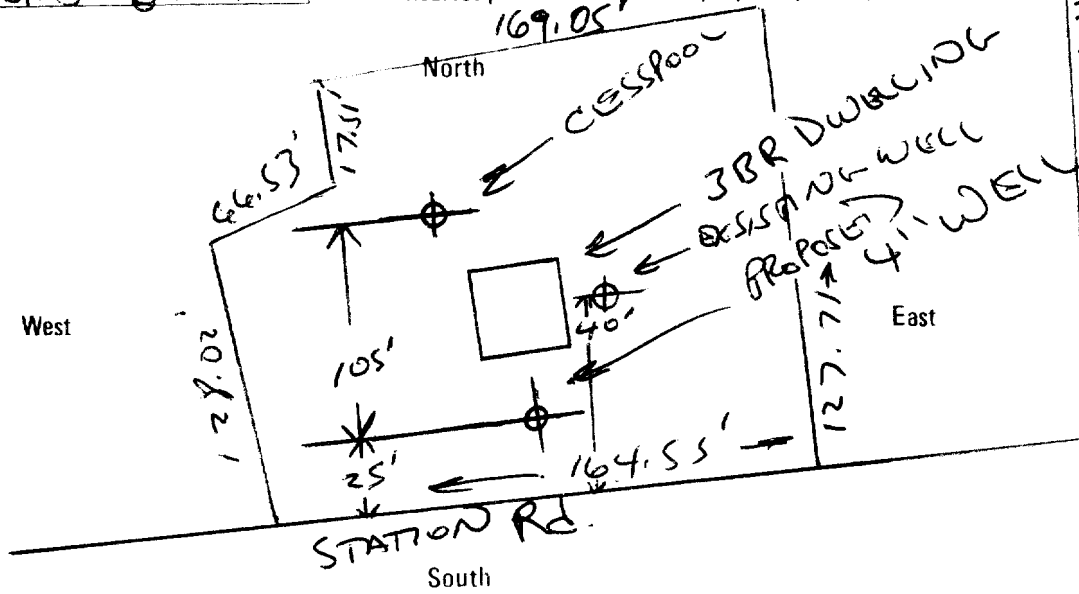
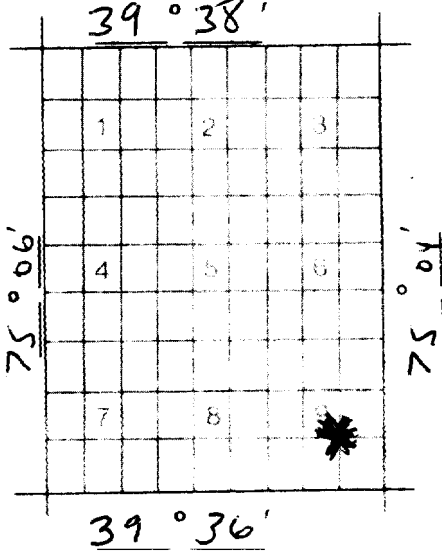
Table with 2 columns: Proposed and Method of Drilling. Includes details for Diameter of Well (4 inches), Depth (100 feet), Capacity of Pump (11 GPM), and Use of Well (DOMESTIC REPLACEMENT).

LOCATION OF WELL

Table with 4 columns: Lot # (8), Block # (4109), Municipality (FRANKLIN), County (GLoucester).

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et. seq.
PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1 et. seq.
DOMESTIC IRRIGATION SUPPLY - No piping from the well for which the permit applies shall enter any building.
HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et. seq.
REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
IRRIGATION PURPOSES ONLY
PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84(a)4.v. are met.
GEOLOGICAL LOGS of this well must be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
SAMPLES of cuttings required every feet or change in material.
MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional conditions(s).

This Space for Approval Stamp
WELL OF CHARLES R. KALNAS
Dept. of Environmental Protection
Water Resources/Water Allocation
001 03 1991

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 10/23/91
Signature of Driller [Signature] License No. 1169
Signature of Owner Charles R. Kalnas

A. THE WELL SHALL BE PROVIDED WITH A CASING TO A DEPTH OF 50 FEET OR MORE, AND SAID CASING SHALL EXTEND TO AND BE SEALED INTO A CONFINING LAYER SEPARATING THE AQUIFER FROM THE STRATUM OF SOIL USED FOR SEWAGE DISPOSAL.

OR

B. THE WELL SHALL BE CONSTRUCTED WITH A MINIMUM OF 140 FEET OF CASING, AND BE PRESSURE GROUTED FROM THE BOTTOM OF THE CASING TO THE SURFACE.

Mail to

Water Allocation CN 029 Trenton, N.J. 08625

PERMIT TO DRILL WELL

5

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.7.98

Owner MR JAMES + RYVELYN L. SWINDELL Driller A+H Environmental Drilling Inc
Address 79- Reed Ave Address 516- DAVIS ROAD
FRANKLINVILLE, N.J. BARRINGTON, N.J. 08007

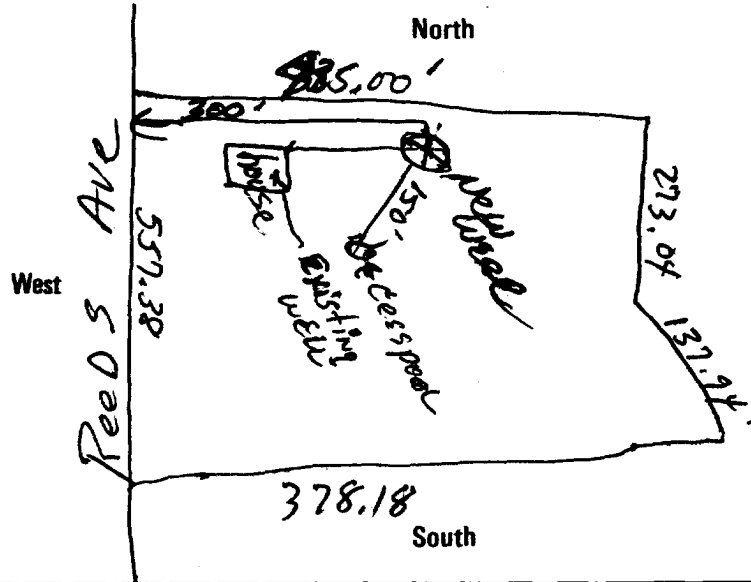
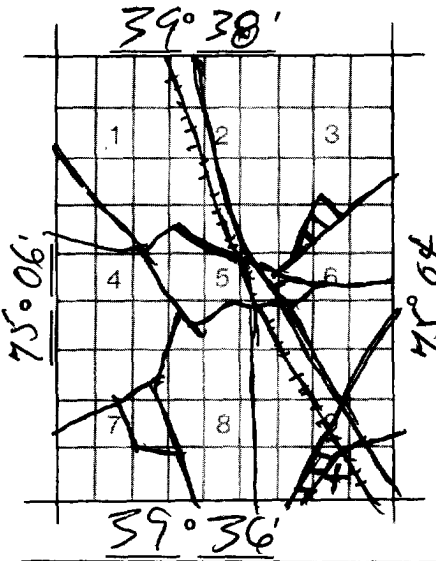
Table with well specifications: Diameter of Well (4 inches), Proposed Depth of Well (100 feet), Capacity of Pump (11 GPM), Method of Drilling (Rotary), Use of Well (Domestic - Replacement), Drinking Water Supply (yes).

LOCATION OF WELL

Table with location info: Lot # 5, Block # 92, Municipality FRANKLIN, County GLOUCESTER

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 315



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- Checklist of conditions: DOMESTIC/PUBLIC NON-COMMUNITY Water Supply Wells, PUBLIC COMMUNITY Water Supply Wells, DOMESTIC IRRIGATION SUPPLY, HEAT PUMP WELLS, INDUSTRIAL SUPPLY, REPLACEMENT WELL, IRRIGATION PURPOSES ONLY, TEST PURPOSES ONLY, PINELANDS, GEOPHYSICAL LOGS, SAMPLES of cuttings, MINIMUM distance requirements.

This Space for Approval Stamp. Includes date NOV 22 1989 and official stamps.

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date OCT 30, 1989

Signature of Driller [Signature] Signature of Owner Mr James Swindell RKA



Mail to

Water Allocation CN 029 Trenton, N.J. 08625

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.798

Owner Bill Porch Address 1680 Station Road Franklinville, NJ 08322 Name of Facility Address Elberta & Champion Road

Driller D'Agostino Well Drilling, inc. Address RR#8, Box 122 Bridgeton, NJ 08302

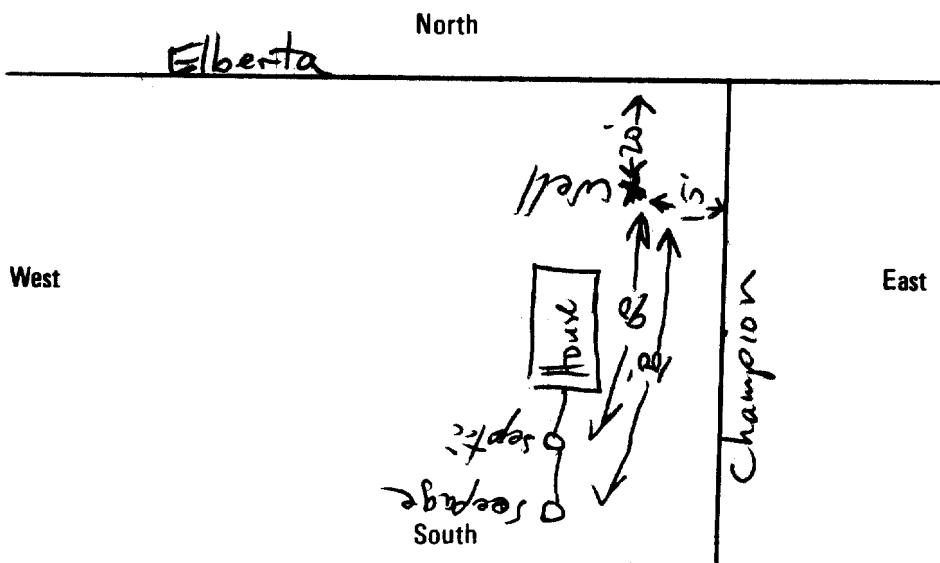
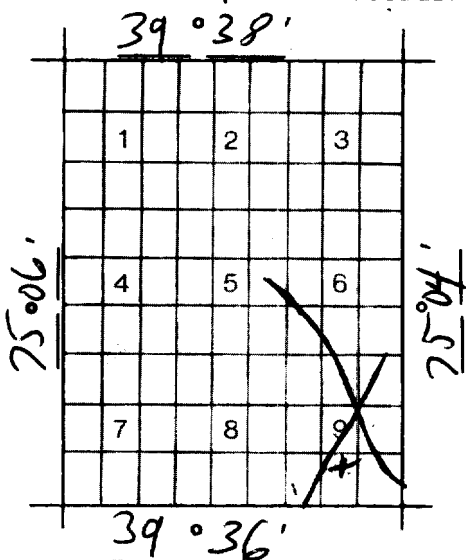
Table with well specifications: Diameter of Well 2 Inches, Proposed Depth of Well 80 Feet, Proposed Capacity of Pump 12 GPM, Method of Drilling rotary, Use of Well Domestic - Replacement, Drinking Water Supply? X yes (see #6 on reverse) no

LOCATION OF WELL

Table with location info: Lot # 3, Block # 4104, Municipality Franklin, County Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et. seq.
PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1 et. seq.
DOMESTIC IRRIGATION SUPPLY - No piping from the well for which the permit applies shall enter any building.
HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et. seq.
REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
IRRIGATION PURPOSES ONLY TEST PURPOSES ONLY
PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84(a)4.v. are met.
GEOPHYSICAL LOGS of this well must be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
SAMPLES of cuttings required every feet or change in material.
MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).

This Space for Approval Stamp
WELL PERMIT APPROVED
Dept. of Environmental Protection
Water Resources/Water Allocation
FEB 18 1992

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date February 18, 1992

Signature of Driller [Signature] License No. 952
Signature of Owner [Signature]

Mail to Water Allocation CN 029 Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 3132799

Owner James Whitney Address 1549 D Carmon Avenue Franklinville, NJ. 08322

Driller Uni-Tech Drilling Co., Inc. Address P.O. Box 467 Clayton, NJ 08312

Name of Facility Same Address

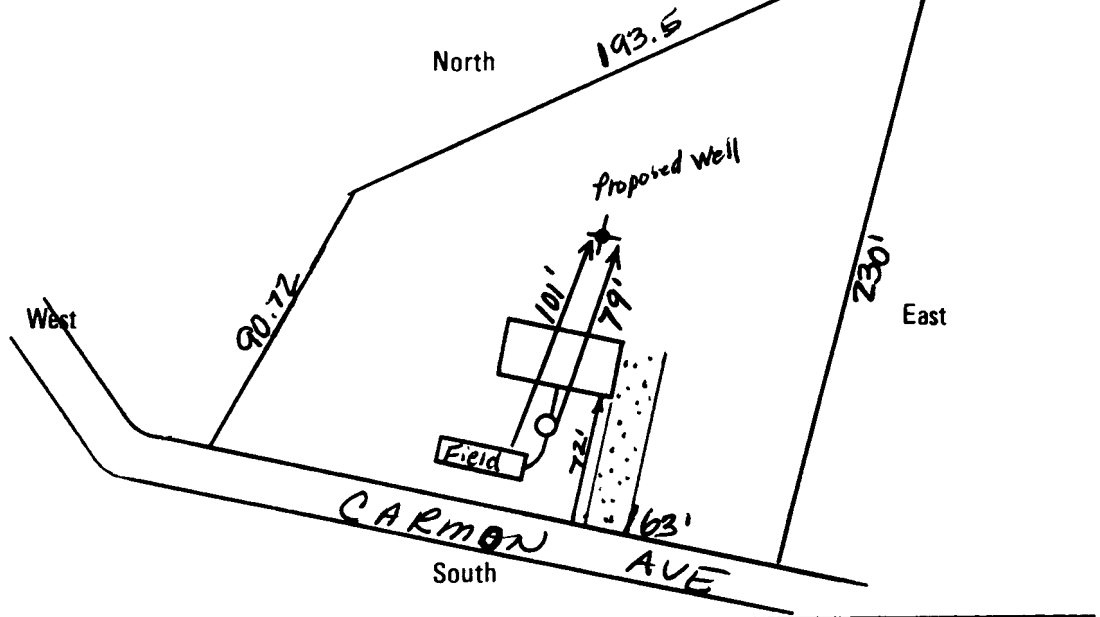
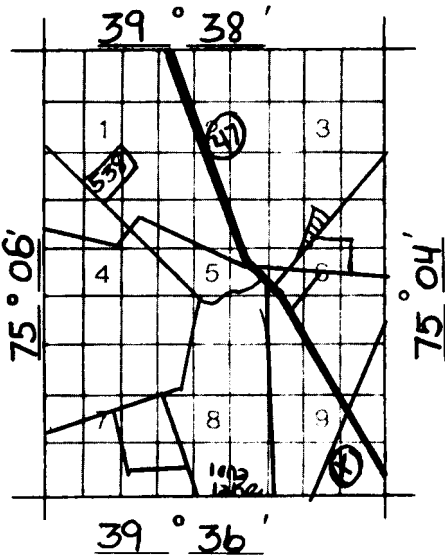
Table with well specifications: Diameter of Well 4 Inches, Proposed Depth of Well 90 Feet, Proposed Capacity of Pump 11 GPM, Method of Drilling Rotary, Use of Well Domestic Replacement, Drinking Water Supply? Yes

LOCATION OF WELL

Table with location info: Lot # 17, Block # 4116, Municipality Franklin Twp, County Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et. seq.
PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1 et. seq.
DOMESTIC IRRIGATION SUPPLY - No piping from the well for which the permit applies shall enter any building.
HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et. seq.
REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
IRRIGATION PURPOSES ONLY TEST PURPOSES ONLY
PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84(a)4.v. are met.
GEOPHYSICAL LOGS of this well must be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
SAMPLES of cuttings required every feet or change in material.
MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).

This Space for Approval Stamp
WELL PERMIT APPROVED
Dept. of Environmental Protection
Water Resources/Water Allocation
APR 14 1992

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 4/13/92

Signature of Driller [Signature] License No. 1256
Signature of Owner [Signature] for James Whitney

Mail to Water Allocation CN 029 Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.422; 11

Owner Hoffman Enterprises, Inc. Address South Delsea Drive P.O. Box 101 Franklinville, New Jersey 08322 Name of Facility Hoffman Enterprises, Inc. Address S. Delsea Drive Box 101 Franklinville, New Jersey 08322

Driller F. C. Capel & Son Address 751 Mantua Blvd. Sewell, New Jersey 08080

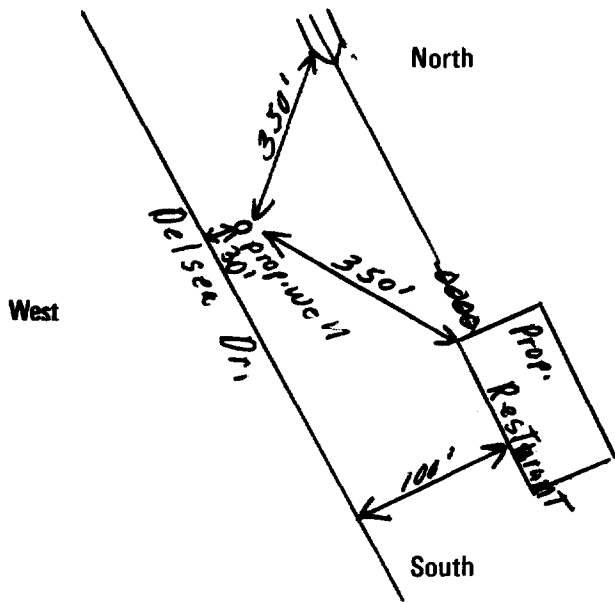
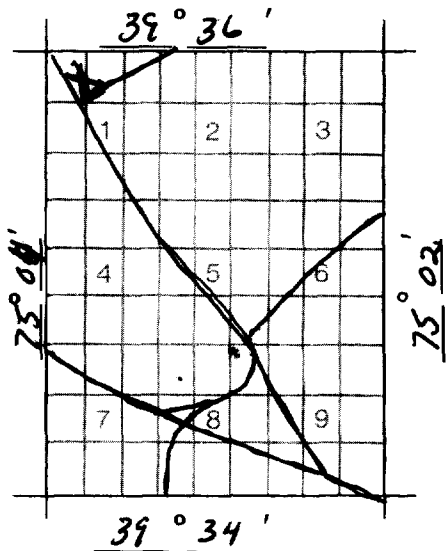
Table with 2 columns: Diameter of Well (4 inches), Proposed Depth of Well (120 Feet), Proposed Capacity of Pump (20 GPM), Method of Drilling (rotary), Use of Well (Public-non community), Drinking Water Supply? (yes)

LOCATION OF WELL

Table with 4 columns: Lot # (105), Block # (1401), Municipality (Franklin), County (Gloucester)

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et. seq. PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1et. seq. DOMESTIC IRRIGATION SUPPLY - No piping from the well for which the permit applies shall enter any building. HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well. INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et. seq. REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment. IRRIGATION PURPOSES ONLY TEST PURPOSES ONLY PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84(a)4.v. are met. GEOPHYSICAL LOGS of this well must be made. Permanent pumping equipment SHALL NOT be installed until such logs are made. SAMPLES of cuttings required every feet or change in material. MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s). Replace permit # 31-26276

This Space for Approval Stamp APR 04 1990

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date March 20, 1990 Signature of Driller Frederick C. Capel Signature of Owner H. Roy Hoffman

SERIAL # 73918

DWR-133  
(10/93)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION & ENERGY  
TRENTON, NJ

~~3144028~~  
Permit No. 3144028

Mail to  
NJDEPE  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD #: 31.42.133

Owner USDA Farmers Home Administration c/o Butch Koch Driller A&H Environmental Drilling

Address 595 Oak Lane  
Malaga, N.J. 08328

Address 516 Davis Road  
Barrington, N.J. 08007

Name of Facility same as above

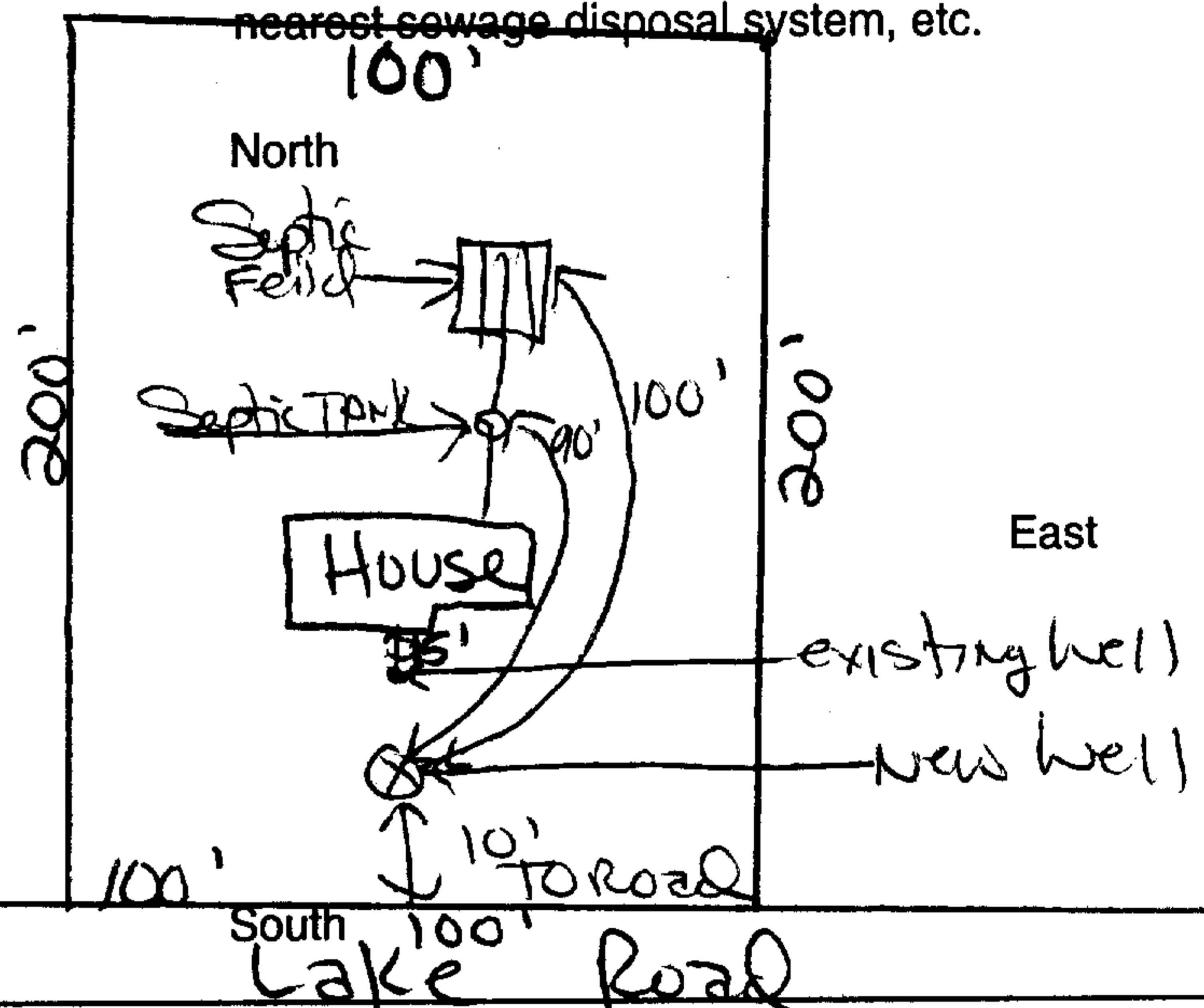
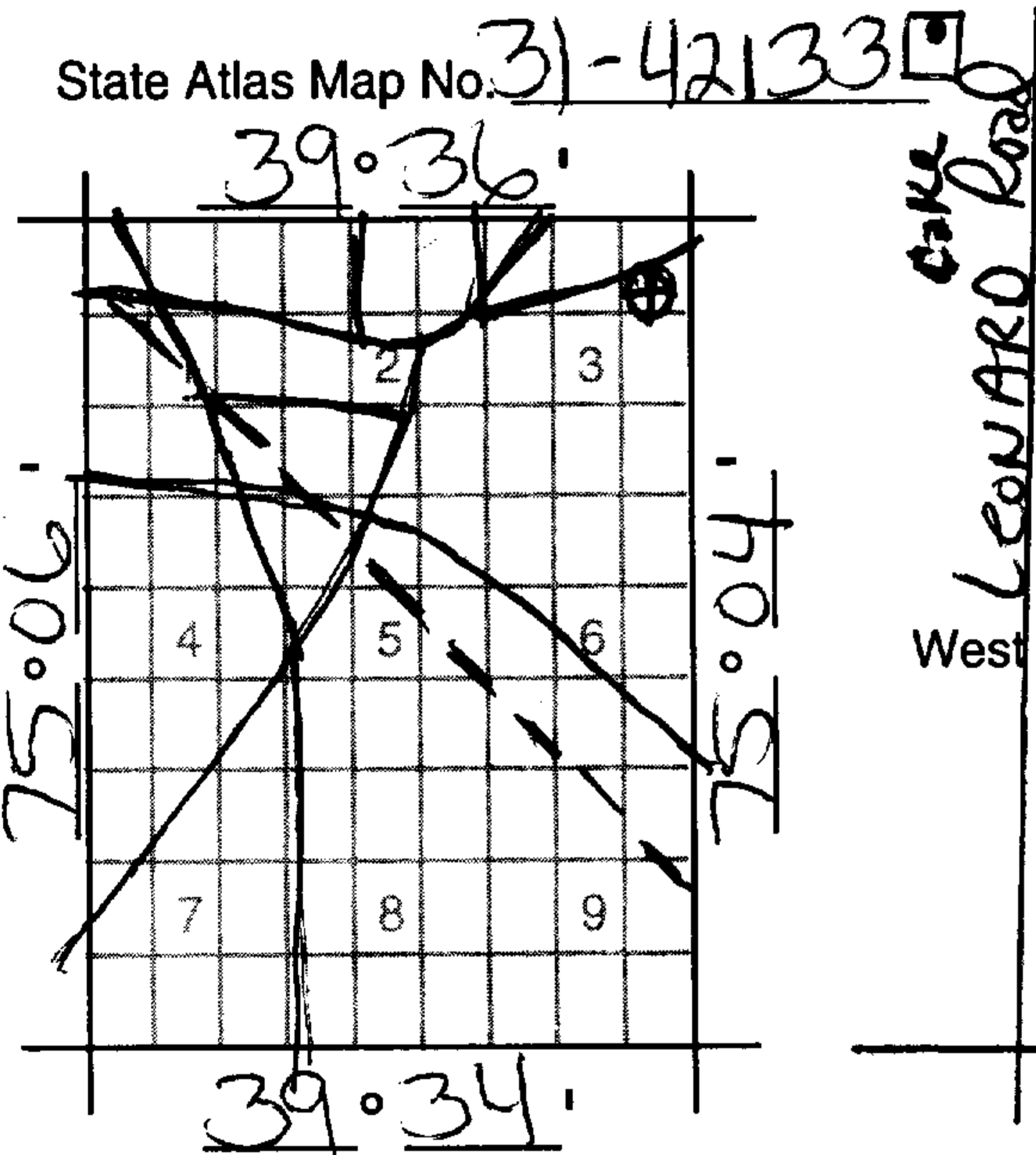
Address \_\_\_\_\_

Diameter of Well	4" Inches	Proposed Depth of Well	100' Feet
Proposed Capacity of Pump	11 GPM	Method of Drilling (cable-tool, Rotary, etc.)	rotary
Use of Well (See Reverse)	Domestic - Replacement		
Drinking Water Supply?	yes (see # 6 on reverse)		no

LOCATION OF WELL

Lot #	Block #	Municipality	County
33	4904	Franklin	Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- DOMESTIC IRRIGATION SUPPLY - No piping from the well for which the permit applies shall enter any building whose potable water is supplied through a public water system.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well. A two hour pump test must be performed on the return well at a rate of 1 1/2 times the estimated return flow of water.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84(a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

**WELL PERMIT APPROVED**  
**Dept. of Environmental Protection**  
**Water Resources/Water Allocation**

**MAY 19 1994**

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 05-12-94

Signature of Driller Ronald Koch License No. 0980/1110

Signature of Owner Butch Koch

COPIES: Water Allocation — White Health Dept.—Yellow Owner—Blue Driller—White



Emergency Well

SERIAL # 74594

DWR-133 (10/93)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION & ENERGY TRENTON, NJ

Mail to NJDEPE Bureau of Water Allocation CN 426 Trenton, NJ 08625

PERMIT TO DRILL WELL

Permit No. 31-44245 6/21/94

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD #: 31 422 11

Owner Ron & Cathie Brining Address 1282 Delsea Drive Franklinville, N.J. 08322

Driller A&H Environmental DRilling Address 516 Davis road Barrington, N.J. 08007

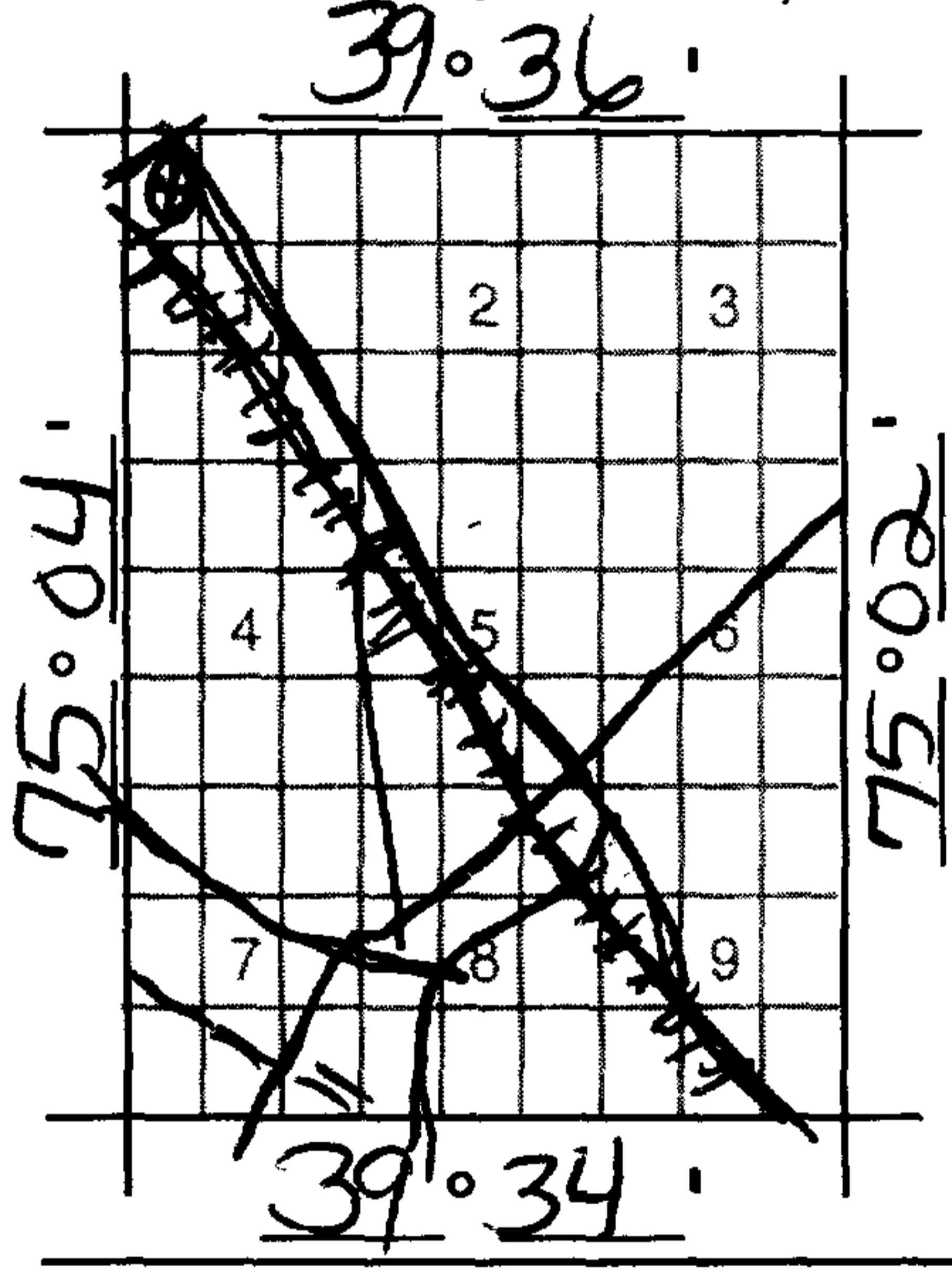
Name of Facility same as above Address

Table with well specifications: Diameter of Well (4 inches), Proposed Depth of Well (100 feet), Proposed Capacity of Pump (11 GPM), Method of Drilling (Rotary), Use of Well (Domestic-replacement), Drinking Water Supply (no).

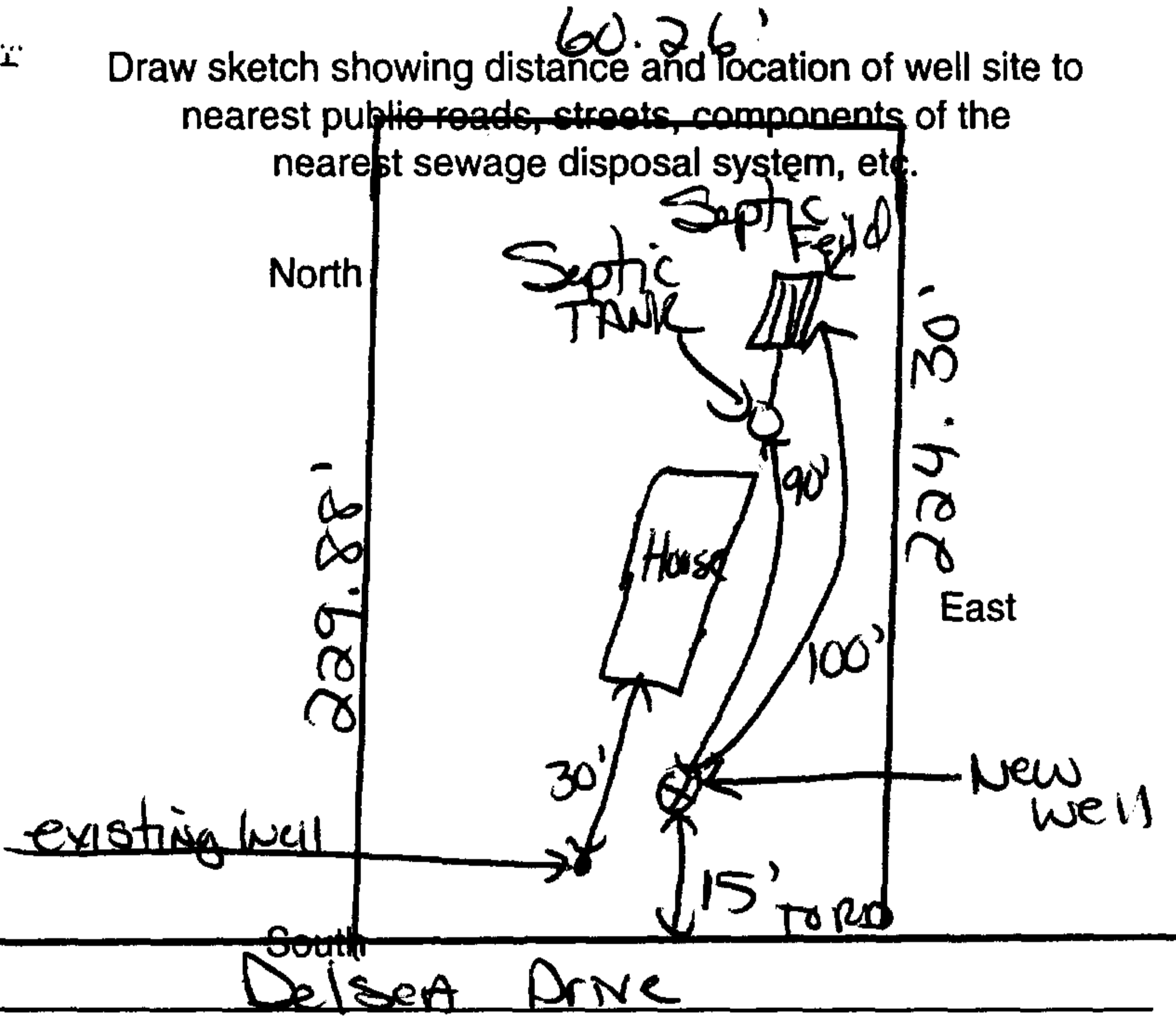
LOCATION OF WELL

Table with location details: Lot # 9, Block # 4902, Municipality Franklin, County Gloucester

State Atlas Map No. 31-42211

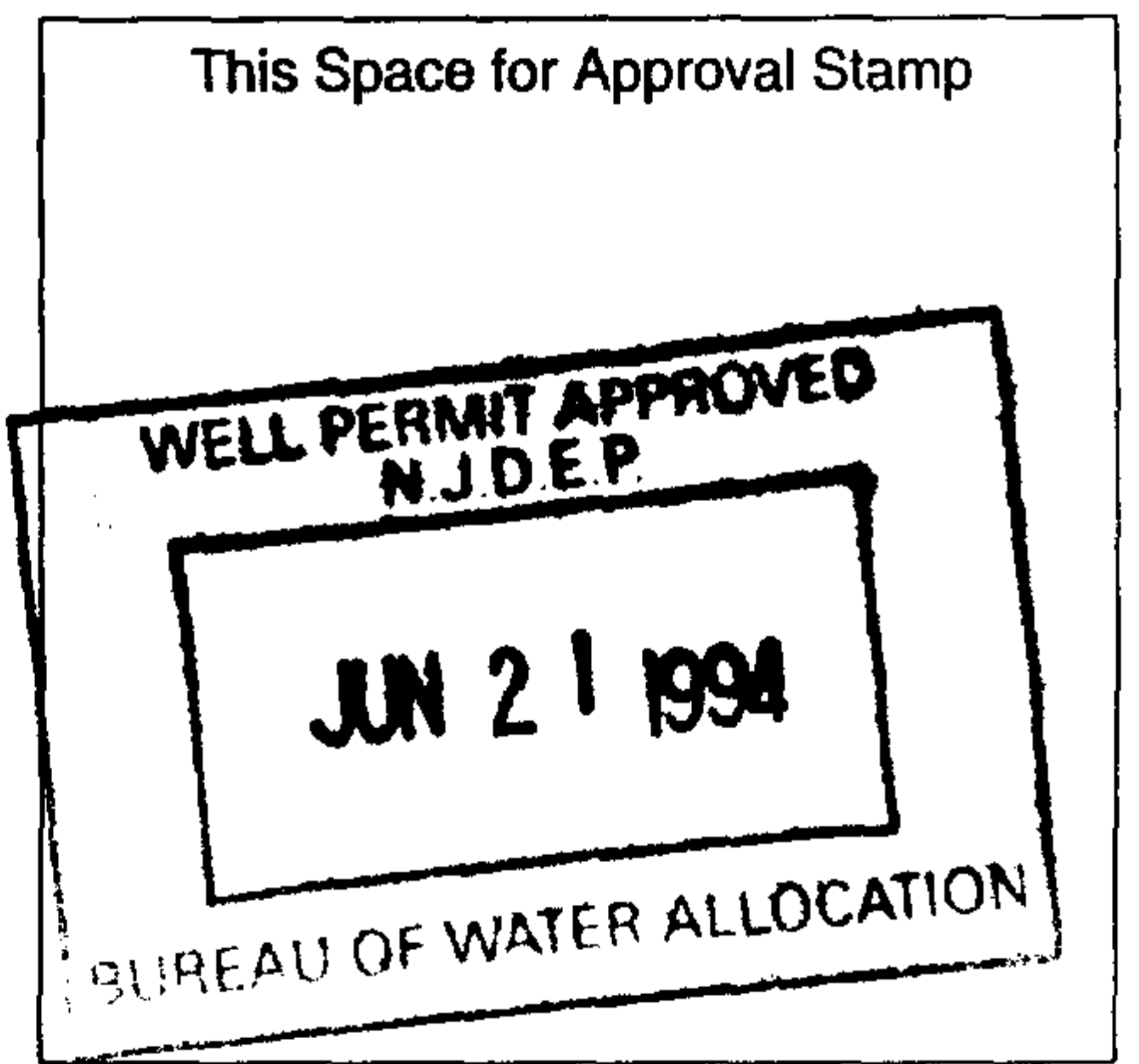


Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- Checklist of conditions: DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells, PUBLIC COMMUNITY Water Supply Wells, DOMESTIC IRRIGATION SUPPLY, OPEN LOOP GEOTHERMAL HEAT PUMP WELLS, INDUSTRIAL SUPPLY, REPLACEMENT WELL, IRRIGATION PURPOSES ONLY, TEST PURPOSES ONLY, PINELANDS, MINIMUM distance requirements, The well shall be equipped with a totalizing flow meter.



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 06/21/94

Signature of Driller Ronald K. ... License No. 0988/1110

Signature of Owner Fred Brining

COPIES: Water Allocation — White Health Dept.—Yellow Owner—Blue Driller—White

SERIAL # 61162

DWR-133  
(2/92)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENT PROTECTION & ENERGY  
TRENTON, NJ

Mail to

Water Allocation  
CN 029  
Trenton, NJ 08625

PERMIT TO DRILL WELL

05

Permit No. 31-41589

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD #: 31.32.795

Owner Michael Baker  
Address 1678 Station Rd  
Franklinville N.J. 08322  
Name of Facility \_\_\_\_\_  
Address STATION RD

Driller Hoover Garrison  
Address 110 Ryeck Ave  
Millville N.J. 08322

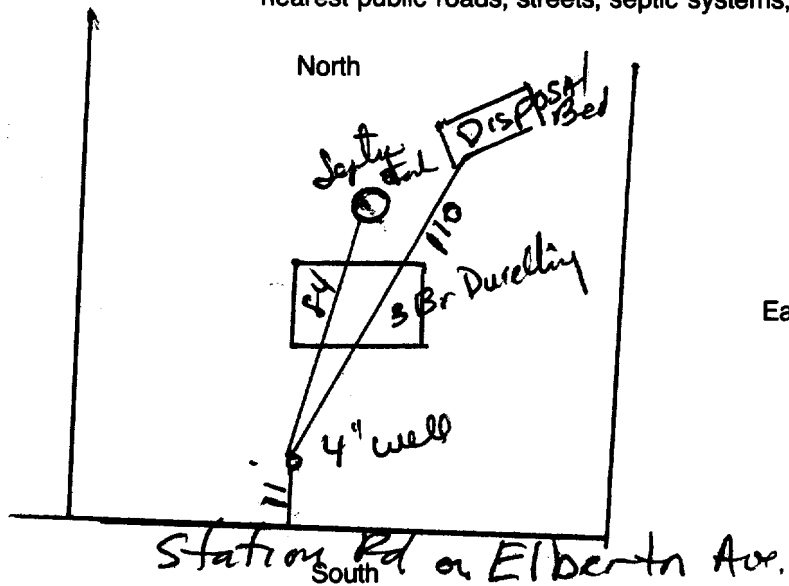
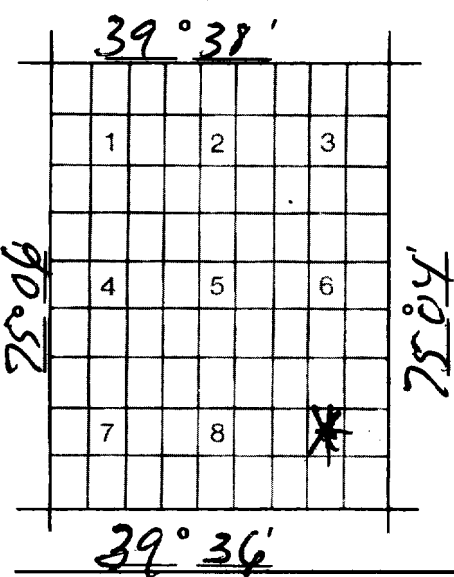
Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	10 GPM	Method of Drilling (cable-tool, rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic Replacement		
Drinking Water Supply?	Yes (see # 6 on reverse) no		

LOCATION OF WELL

Lot #	Block #	Municipality	County
2	4108	Franklin township	Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

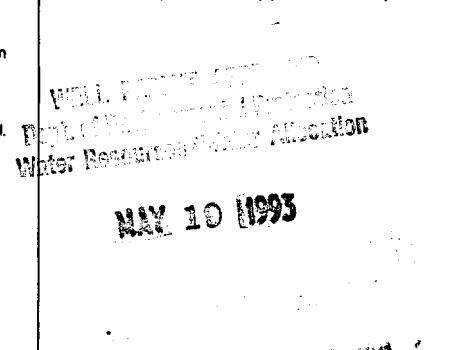
State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et. seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- DOMESTIC IRRIGATION SUPPLY - No piping from the well for which the permit applies shall enter any building.
- HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well. A two hour pump test must be performed on the return well at a rate of 1½ times the estimated return flow of water.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et. seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84(a)4.v. are met.
- GEOPHYSICAL LOGS of this well must be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- SAMPLES of cuttings required every \_\_\_\_\_ feet or change in material.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et. seq.

This Space for Approval Stamp



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 5-18-93

Signature of Driller Hoover Garrison

License No. 21049

Signature of Owner Michael Baker

COPIES:

Water Allocation - White

Health Dept. - Yellow

Owner - Blue

WELPMT 045 2109



SERIAL # 77543

DWR-133 (10/93)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION & ENERGY TRENTON, NJ

Permit No. 3144964

Mail to NJDEPE Bureau of Water Allocation CN 426 Trenton, NJ 08625

PERMIT TO DRILL WELL 5

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD #: 31.42.132

Owner Mike & Laurie Valentino

Driller Uni-Tech Drilling Co., Inc.

Address 456 E. Lakeview Ave

Address PO Box 634

Franklinville, NJ 08322

Newfield, NJ 08344

Name of Facility Same

Table with 2 columns: Parameter and Value. Diameter of Well: 4 Inches; Proposed Depth of Well: 100 Feet; Proposed Capacity of Pump: 12 GPM; Method of Drilling: Rotary.

Address Leonard Cake Road

Table with 2 columns: Parameter and Value. Use of Well: Domestic; Drinking Water Supply: Yes.

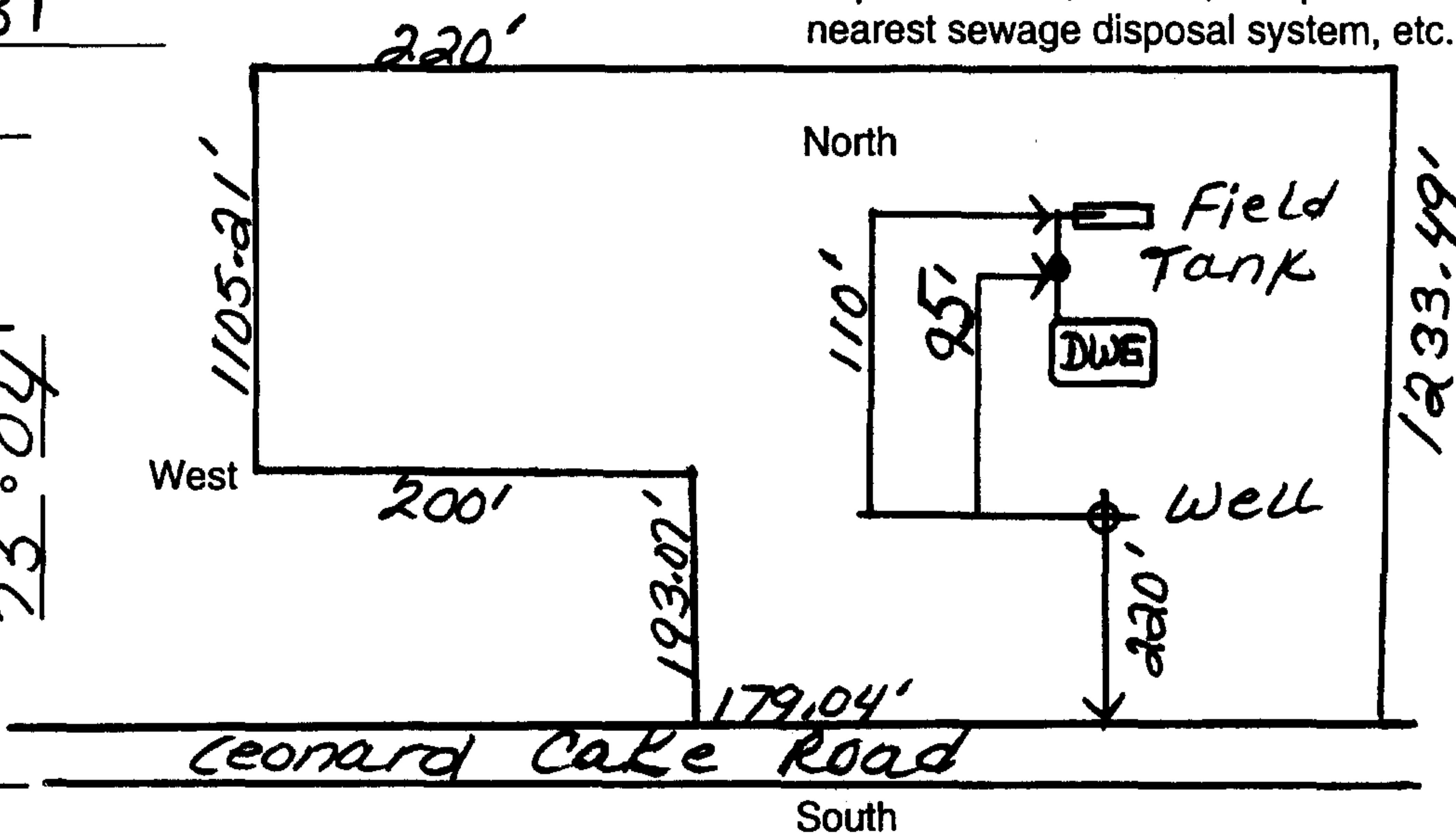
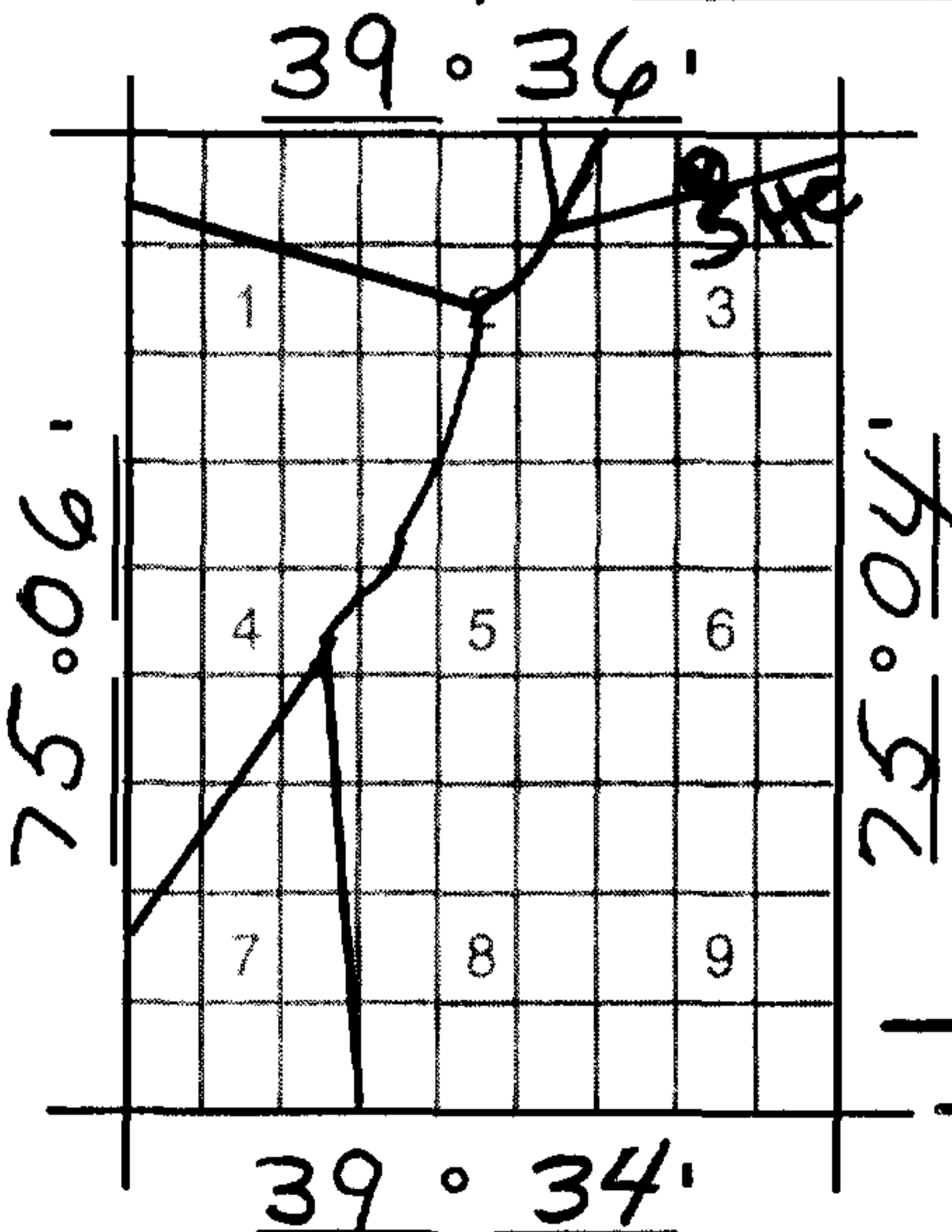
Franklinville, NJ 08322

LOCATION OF WELL

Table with 4 columns: Lot #, Block #, Municipality, County. Values: 13, 4203, Franklin, Gloucester.

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- Checklist of conditions for well permit approval, including Domestic/Public Non-Community/Non-Public Water Supply Wells, Public Community Water Supply Wells, etc.

This Space for Approval Stamp. WELL PERMIT APPROVED NJDEP. SEP 26 1994. BUREAU OF WATER ALLOCATION.

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 9-20-94

Signature of Driller James [Signature] License No. JD1632

Signature of Owner Laura Garrison for Mike Valentino

COPIES: Water Allocation — White Health Dept.—Yellow Owner—Blue Driller—White



Emergency Well

SERIAL # 78341

DWR-133 (10/93)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION & ENERGY TRENTON, NJ

Permit No. 31-45173 14/18/94

Mail to NJDEPE Bureau of Water Allocation CN 426 Trenton, NJ 08625

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD #: 31-32-874

Owner Mr. Joseph Ceresini
Address 780 Blackwoodtown Road -RD 4 Franklinville, N.J. 08322
Name of Facility Same as above
Address

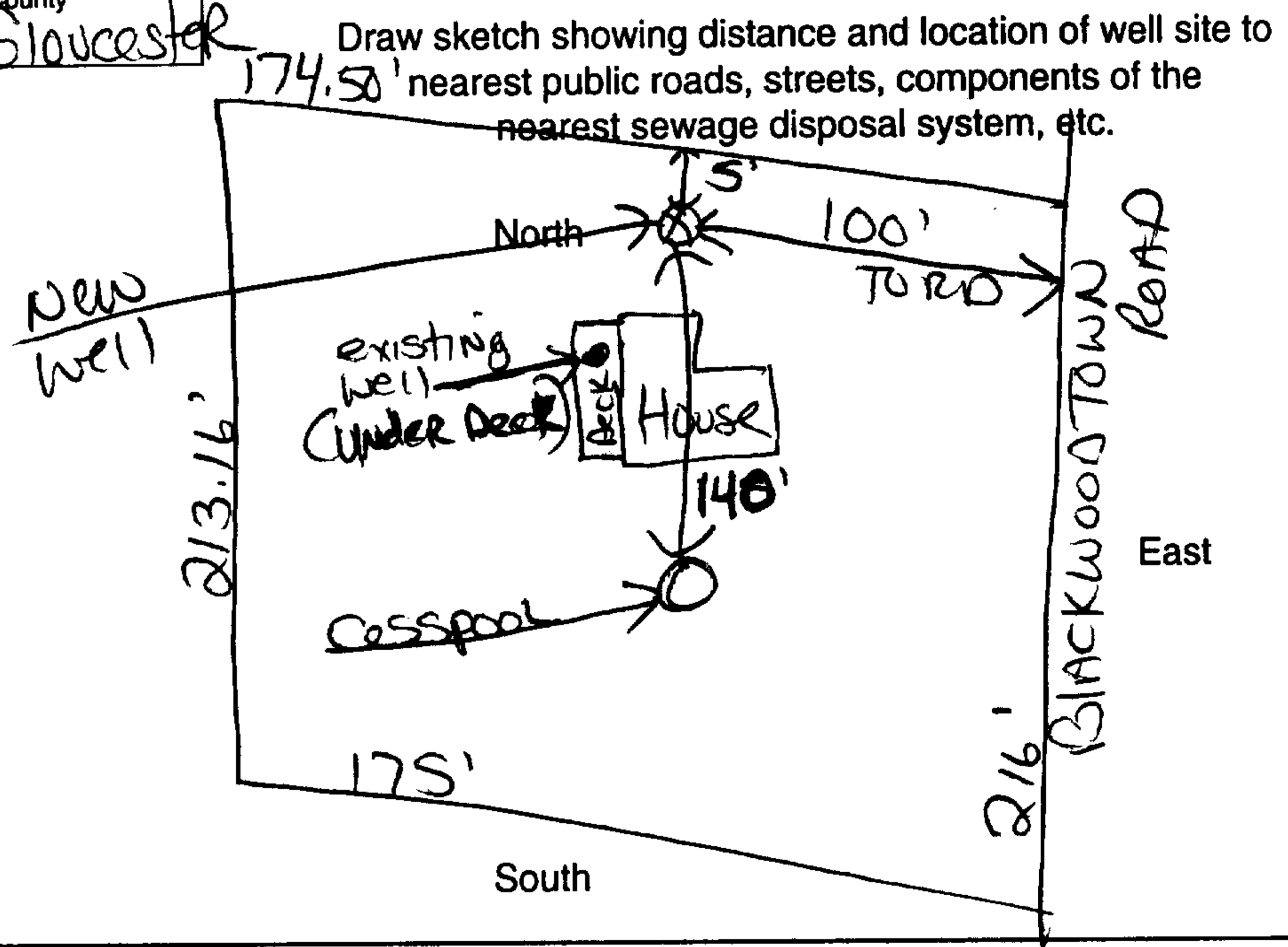
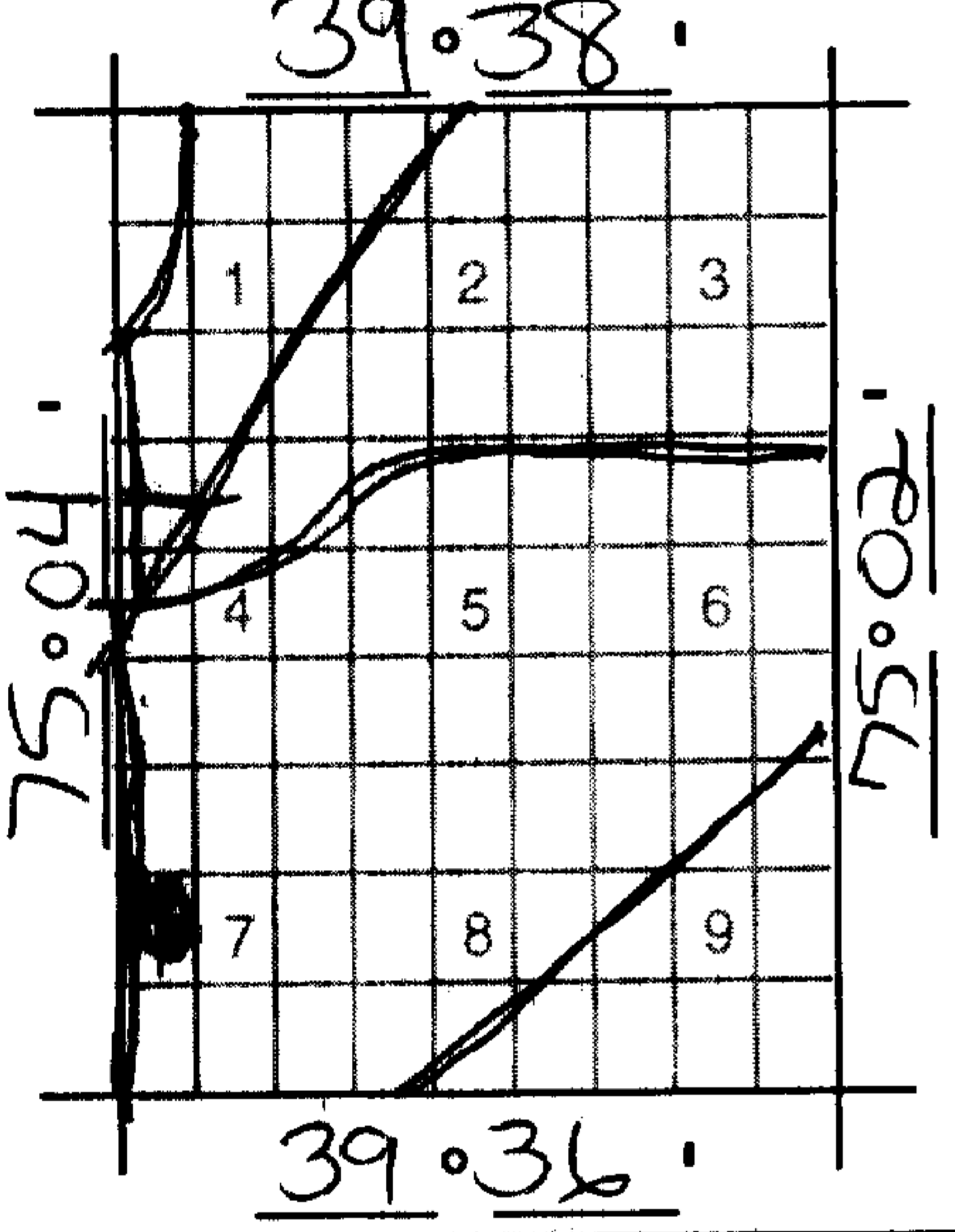
Driller A&H Environmental Drilling Inc.
Address 516 Davis Road Barrington, N.J. 08007

Table with well specifications: Diameter of Well 4 inches, Proposed Depth of Well 100 feet, Proposed Capacity of Pump 15 GPM, Method of Drilling rotary, Use of Well Domestic Replacment, Drinking Water Supply no.

LOCATION OF WELL

Table with location info: Lot # 13, Block # 102, Municipality FRANKLIN, County Gloucester

State Atlas Map No. 31-32874



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- Checklist of conditions: DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq. PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq. etc.

This Space for Approval Stamp
WELL PERMIT APPROVED
N.J.D.E.P.
OCT 18 1994
BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 10/17/94

Signature of Driller Daniel M. Hanna License No. 0980/1110
Signature of Owner Joseph Ceresini

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White



31-45173  
PERMIT NUMBER

10-18-94  
DATE ISSUED

A) The well shall be provided with a casing to a depth of 50 feet or more, and said casing shall extend to and be sealed into a confining layer separating the aquifer from the stratum of soil used for sewage disposal.

-or-

B) The well shall be constructed with a minimum of 70 feet of casing, and be pressure grouted from the bottom of the casing to the surface.

SERIAL # 77552

DWR-133  
(10/93)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION & ENERGY  
TRENTON, NJ

Mail to  
NJDEPE  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625

PERMIT TO DRILL WELL

Permit No. 31-45234  
10-19-94  
Maria

5

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD #: 31.42.132

Owner Cherie Fithian  
Address RD#5 Box 1494-D Leonard Cake Rd  
Franklinville, NJ 08322

Driller Uni-Tech Drilling Co., Inc.  
Address PO box 634 Newfield NJ 08344

Name of Facility Same  
Address Same

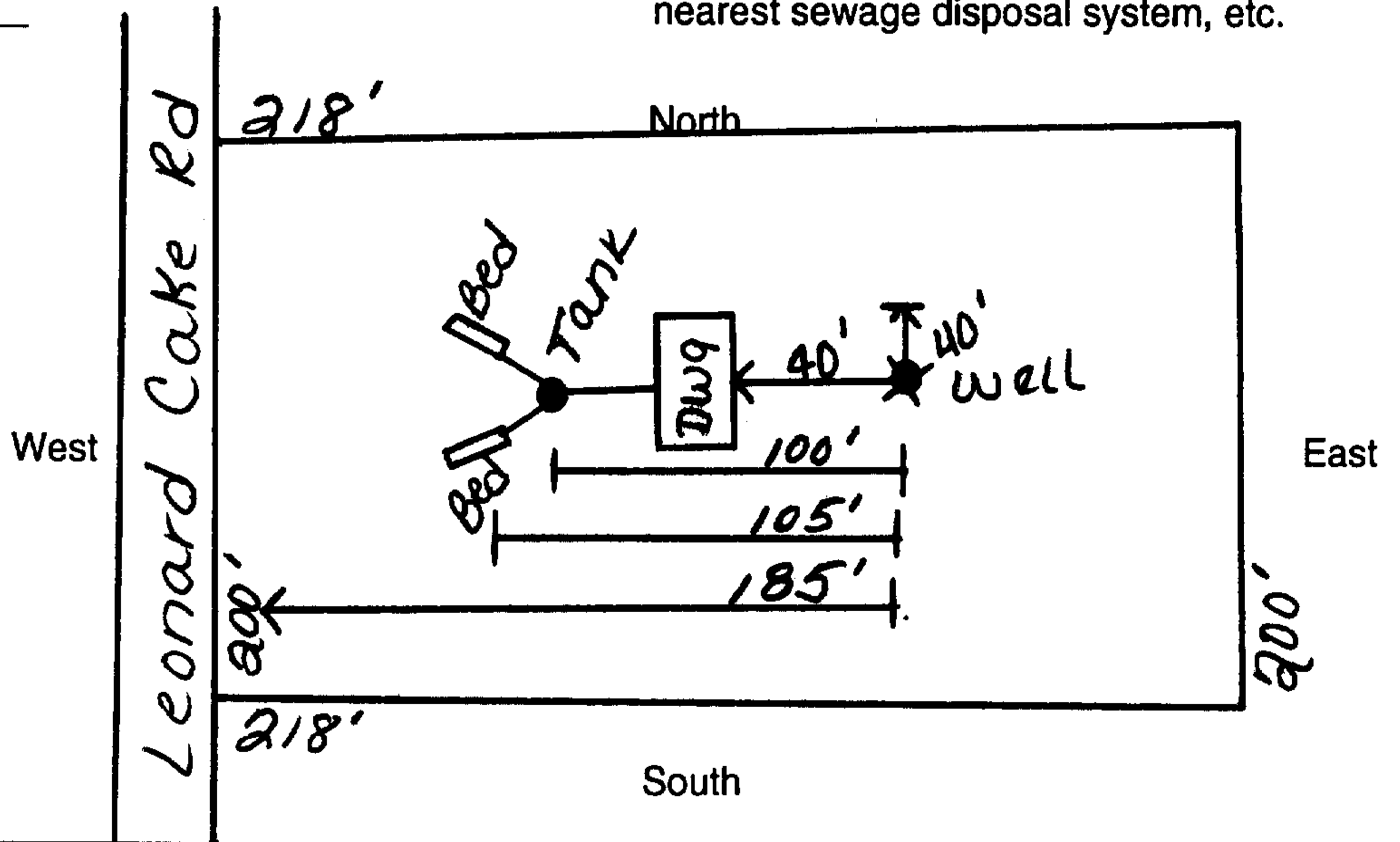
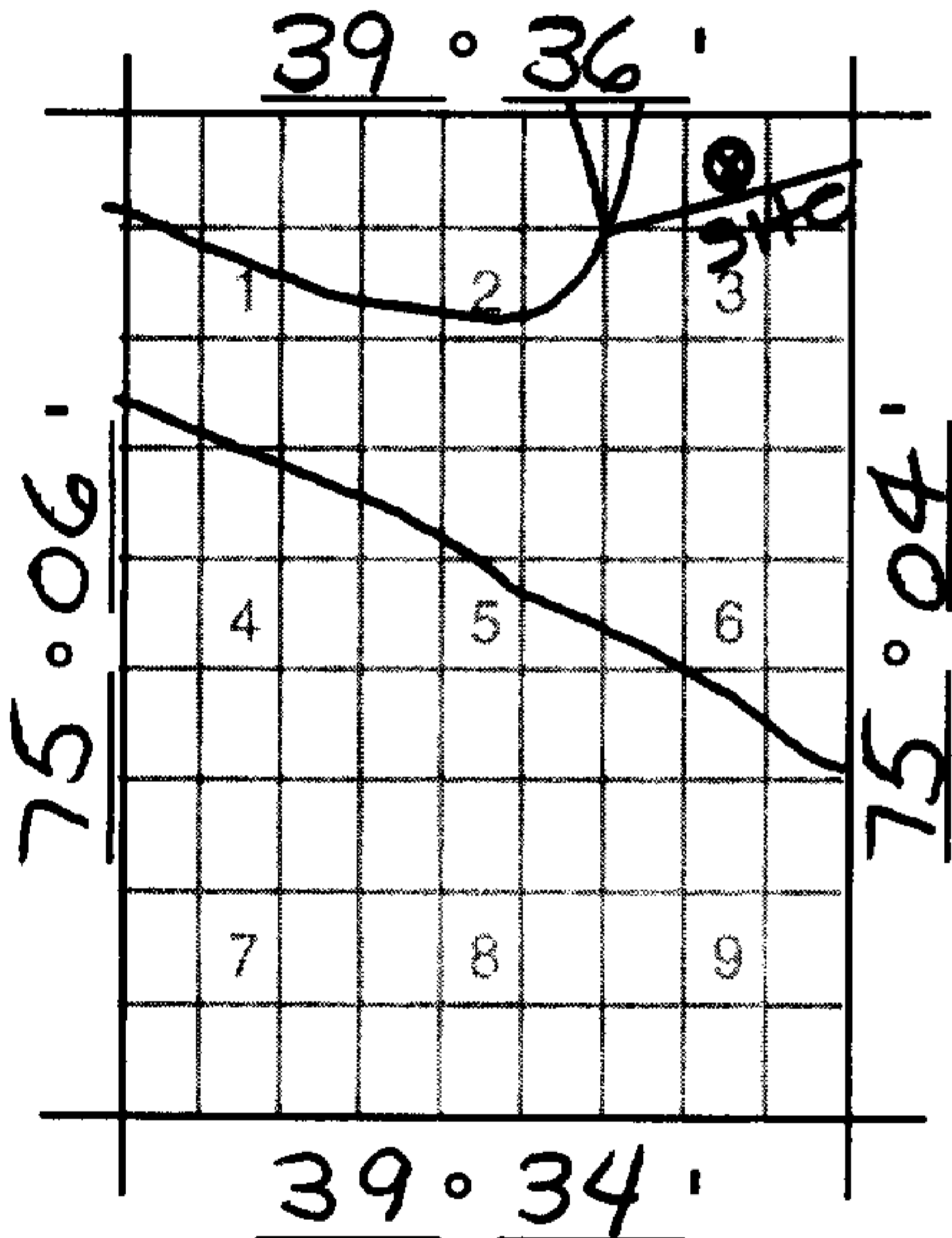
Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic Replacement		
Drinking Water Supply?	yes	yes (see # 6 on reverse)	no

LOCATION OF WELL

Lot #	Block #	Municipality	County
15	4203	Franklin	Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- DOMESTIC IRRIGATION SUPPLY - No piping from the well for which the permit applies shall enter any building whose potable water is supplied through a public water system.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well. A two hour pump test must be performed on the return well at a rate of 1 1/2 times the estimated return flow of water.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84(a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

WELL PERMIT APPROVED  
NJDEP

**OCT 19 1994**

BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date Oct 19, 1994

Signature of Driller James Evans License No. J D1632

Signature of Owner Same as Maria for Cherie Fithian

COPIES: Water Allocation — White Health Dept.—Yellow Owner—Blue Driller—White



SERIAL # 77563

Revision

DWR-133 (10/93)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION & ENERGY TRENTON, NJ

Permit No. 3145314

Mail to NJDEPE Bureau of Water Allocation CN 426 Trenton, NJ 08625

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD #: 31.42.132

Owner Mike & Laurie Valentino

Driller Uni-Tech Drilling Co., Inc.

Address 456 E. Lakeview Ave Franklinville, NJ 08322

Address RD#2 Box 191-A Malaga, NJ 08328

Name of Facility Same

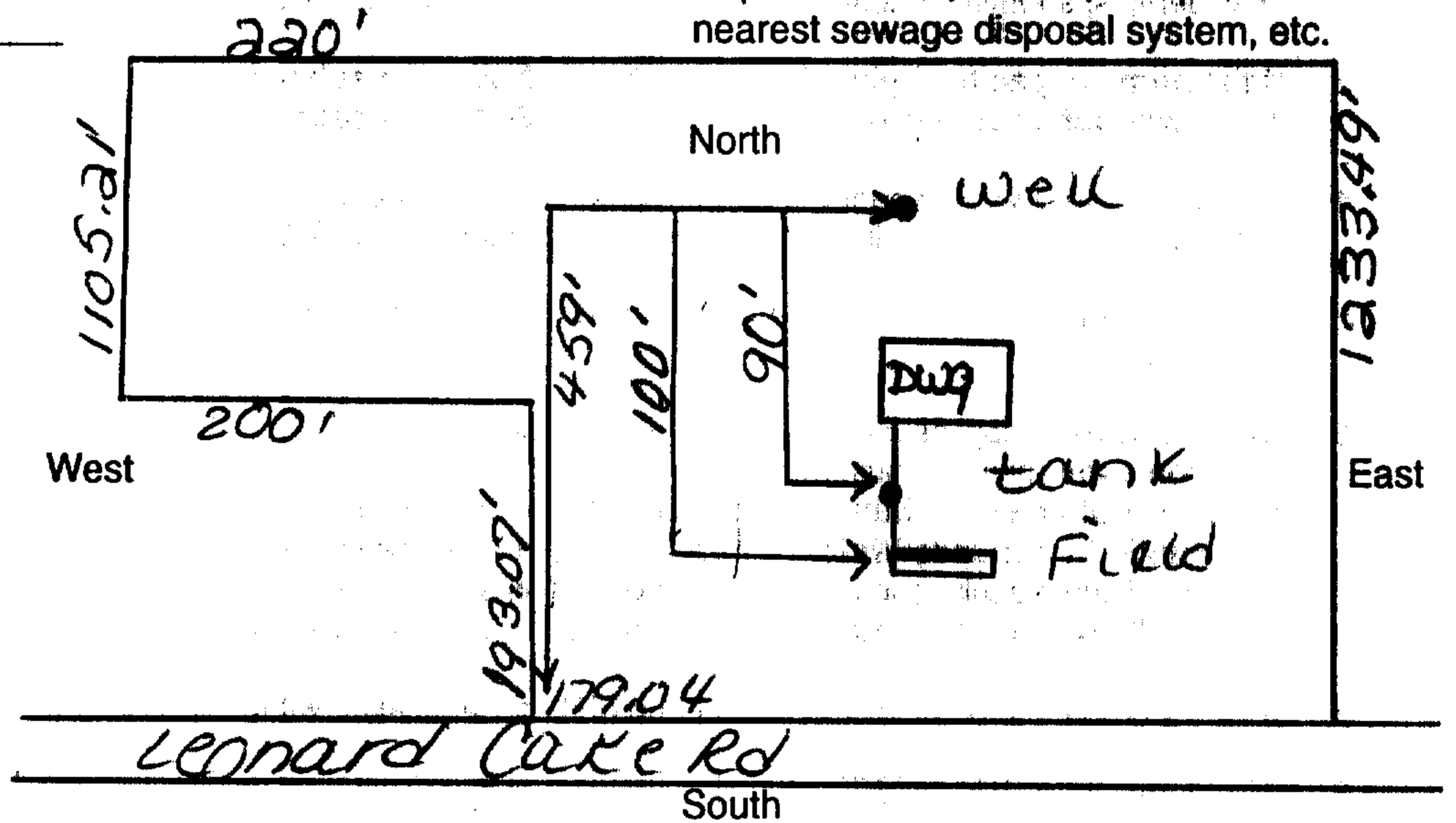
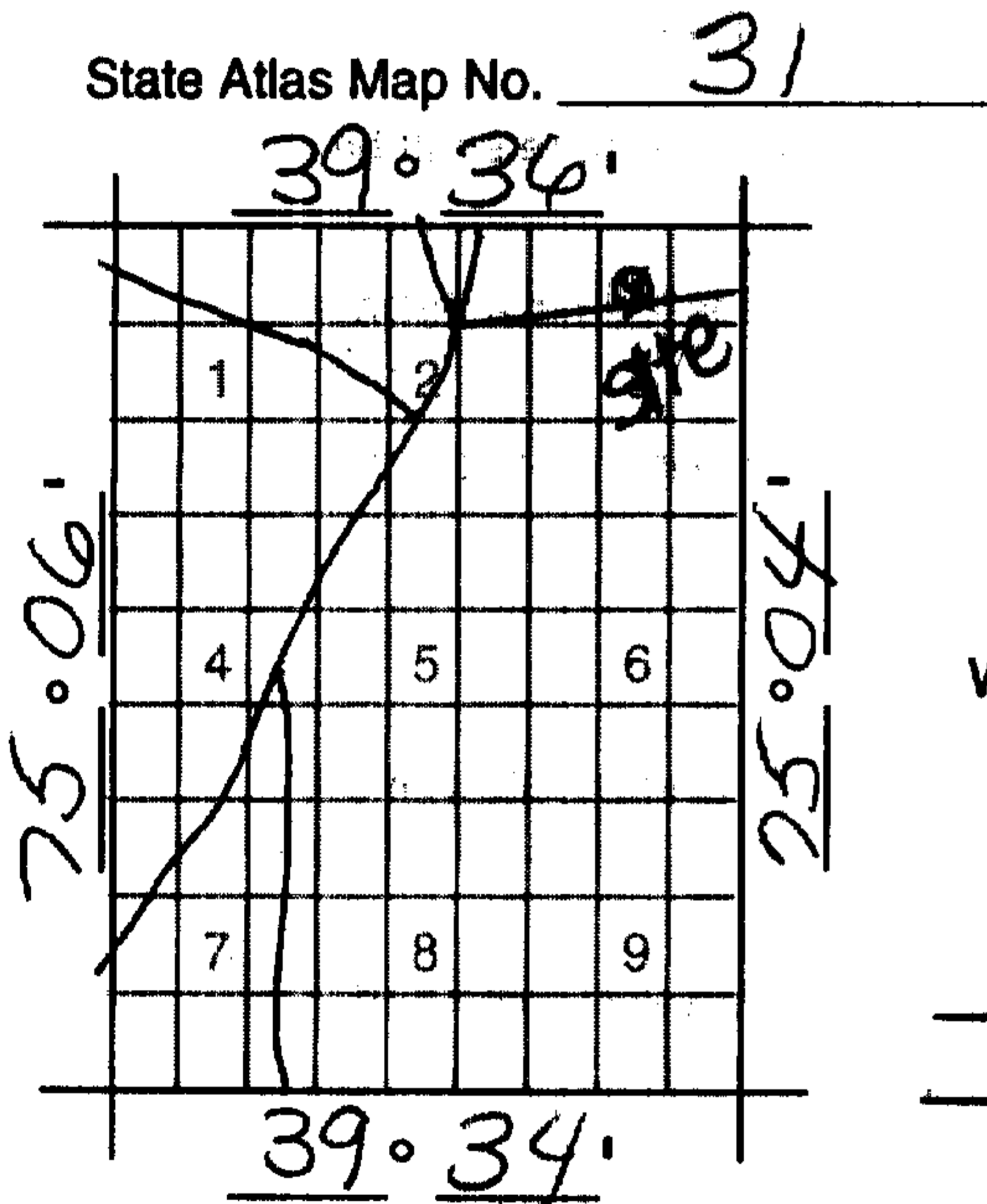
Table with 2 columns: Parameter and Value. Includes Diameter of Well (4 Inches), Proposed Depth of Well (100 Feet), Proposed Capacity of Pump (12 GPM), Method of Drilling (Rotary), Use of Well (Domestic), and Drinking Water Supply? (Yes).

Address Leonard Cake Road Franklinville, NJ 08322

LOCATION OF WELL

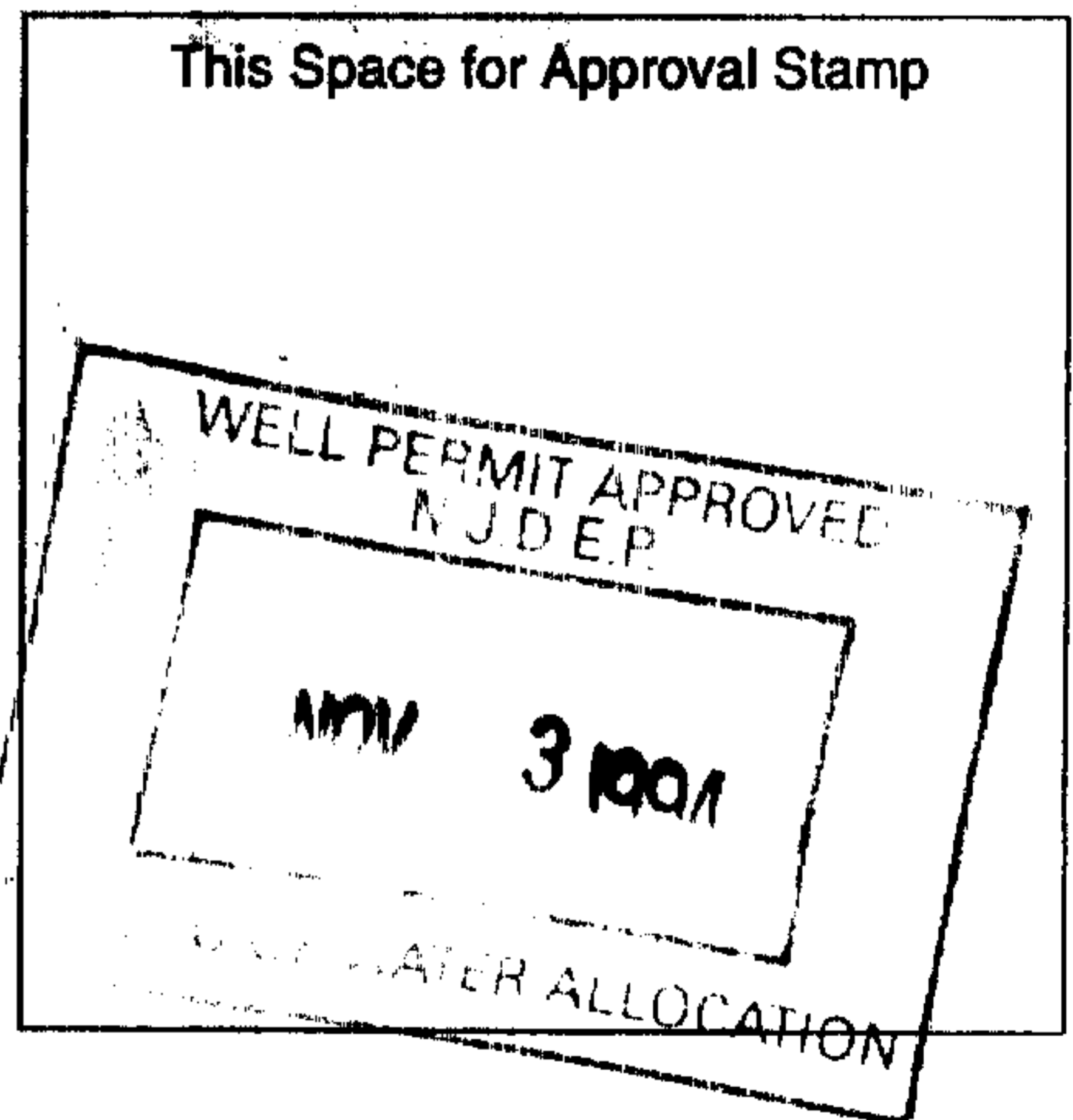
Table with 4 columns: Lot # (13), Block # (4203), Municipality (Franklin), County (Gloucester)

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- Checklist of conditions for well permit approval, including Domestic/Public Non-Community/Non-Public Water Supply Wells, Public Community Water Supply Wells, Domestic Irrigation Supply, etc.



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above

Date 11-1-94

Signature of Driller James Ellis License No. JD1632 Signature of Owner Mike & Laurie Valentino

SERIAL # 59252

DWR-133  
(2/92)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENT PROTECTION & ENERGY  
TRENTON, NJ

Mail to

Water Allocation  
CN 029  
Trenton, NJ 08625

PERMIT TO DRILL WELL

Permit No. 3142536

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD #: 31327.99

Owner Joseph J Hoffman Jr  
Address Blackwoodtown Rd  
Franklinville, NJ. 08322  
Name of Facility Joseph J Hoffman Jr  
Address Delsea Drive  
Franklinville, NJ 08322

Driller F. C. Capel & Son  
Address RD# 2 Box 386 A  
Mullica Hill, NJ 08062

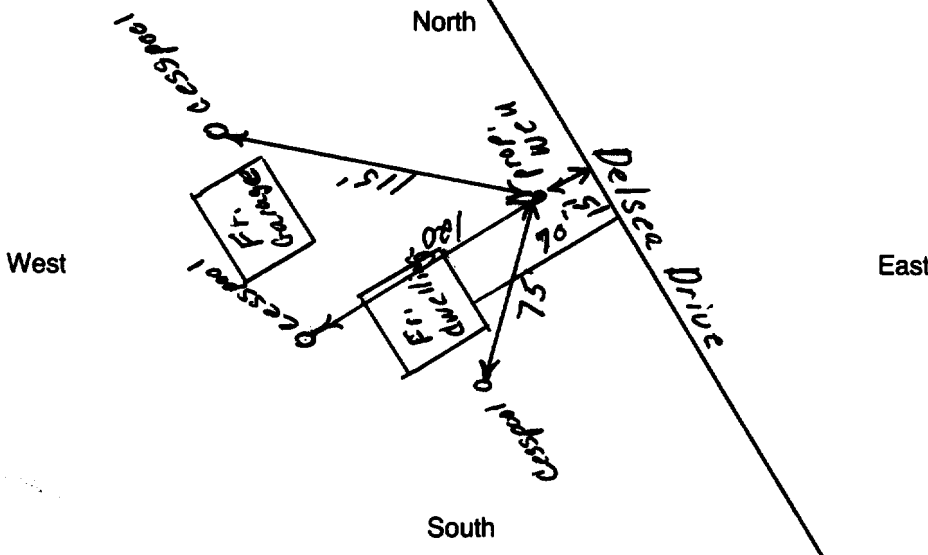
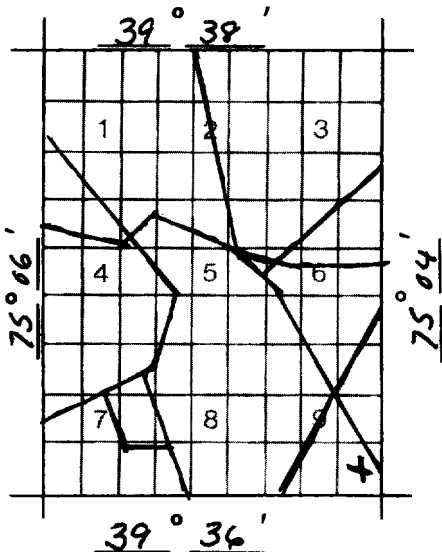
Diameter of Well	4 Inches	Proposed Depth of Well	120 Feet
Proposed Capacity of Pump	25 GPM	Method of Drilling (cable-tool, rotary, etc.)	Rotary
Use of Well (See Reverse)	Public Non Community		
Drinking Water Supply?	yes (see # 6 on reverse)		no

LOCATION OF WELL

Lot #	Block #	Municipality	County
5	4204	Franklin Twp	Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et. seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- DOMESTIC IRRIGATION SUPPLY - No piping from the well for which the permit applies shall enter any building.
- HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well. A two hour pump test must be performed on the return well at a rate of 1½ times the estimated return flow of water.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et. seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84(a)4.v. are met.
- GEOPHYSICAL LOGS of this well must be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- SAMPLES of cuttings required every \_\_\_\_\_ feet or change in material.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et. seq.

This Space for Approval Stamp

**WELL PERMIT APPROVED**  
Dept. of Environmental Protection  
Water Resources/Water Allocation

SEP 21 1993

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 9-20-93

Signature of Driller F. C. Capel License No. M 887

Signature of Owner Joseph J Hoffman Jr

COPIES: Water Allocation — White

Health Dept. — Yellow

Owner — Blue

Driller — White

WELPMT 045 2741

9/21/93  
DATE ASSIGNED

3142534  
PERMIT NUMBER  
9/21/93  
DATE ISSUED

A. THE WELL SHALL BE PROVIDED WITH A CASING TO A DEPTH OF 50 FEET OR MORE, AND SAID CASING SHALL EXTEND TO AND BE SEALED INTO A CONFINING LAYER SEPARATING THE AQUIFER FROM THE STRATUM OF SOIL USED FOR SEWAGE DISPOSAL.

-OR-

B. THE WELL SHALL BE CONSTRUCTED WITH A MINIMUM OF 150 FEET OF CASING, AND BE PRESSURE GROUTED FROM THE BOTTOM OF THE CASING TO THE SURFACE.

SERIAL # 68405

DWR-133  
(3/93)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENT PROTECTION & ENERGY  
TRENTON, NJ

Mail to

Water Allocation  
CN 426  
Trenton, NJ 08625

PERMIT TO DRILL WELL

Permit No. 3142798

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD #: 31.327.96

Owner Puritan Oil Company, Inc.  
Address PO Box 274  
Bellmawr, NJ 08099  
Name of Facility Same  
Address Rt. 47  
Franklinville, NJ 08322

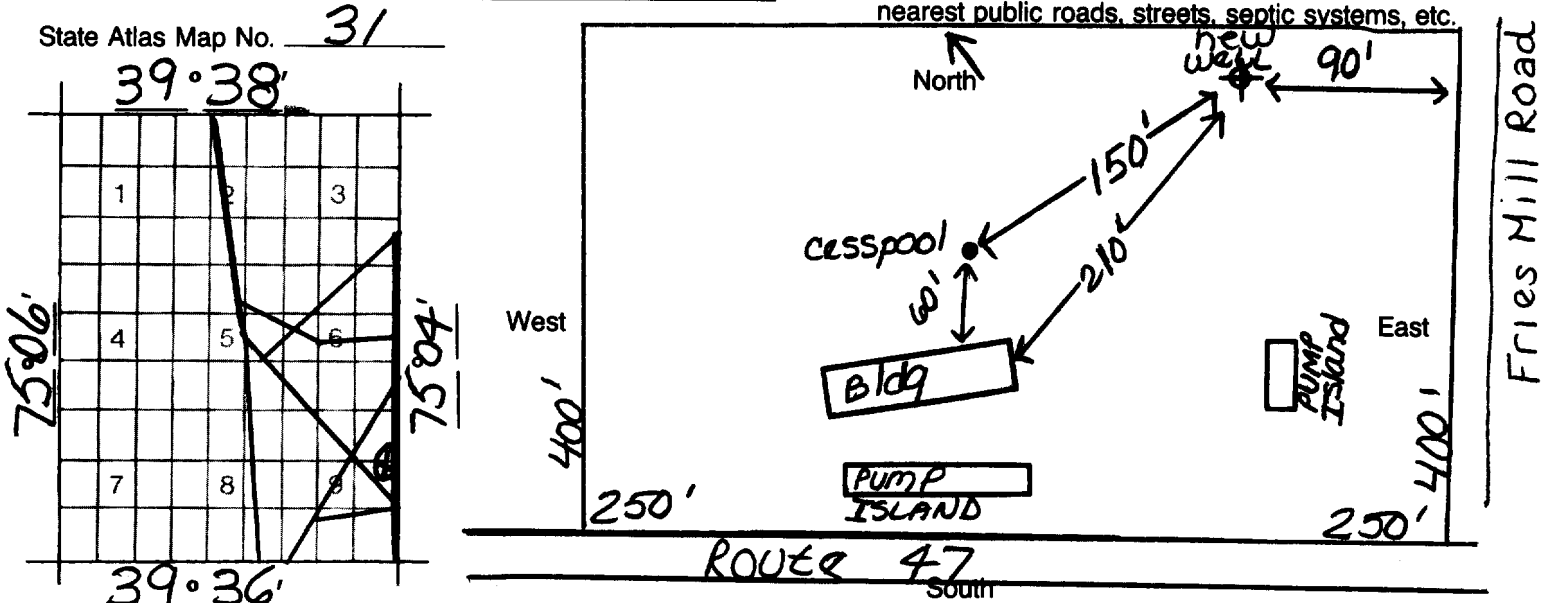
Driller Uni-Tech Drilling Co., Inc.  
Address PO Box 634, Newfield, NJ 08344

Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, rotary, etc.)	Rotary
Use of Well (See Reverse)	Non-Public Replacement		
Drinking Water Supply?	yes	yes (see # 6 on reverse)	no

LOCATION OF WELL

Lot #	Block #	Municipality	County
9A3	66	Franklin Twp.	Gloucester

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et. seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- DOMESTIC IRRIGATION SUPPLY - No piping from the well for which the permit applies shall enter any building.
- HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well. A two hour pump test must be performed on the return well at a rate of 1 1/2 times the estimated return flow of water.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et. seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84(a)4.v. are met.
- GEOPHYSICAL LOGS of this well must be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- SAMPLES of cuttings required every \_\_\_\_\_ feet or change in material.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et. seq.

This Space for Approval Stamp

**WELL PERMIT APPROVED**  
 Dept. of Environmental Protection  
 Water Resources/Water Allocation

**OCT 26 1993**

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 10/25/93

Signature of Driller Frank J. Dech License No. 11256  
 Signature of Owner John Hallaway for Bob McCull

COPIES: Water Allocation - White

Health Dept. - Yellow

Owner - Blue

WELPMT 045 2905



DWR-133  
(6/95)

SERIAL # 89001

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

05 Emergency Well

Mail to  
NJDEP  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

Permit No. 31-47422  
8/9/95

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.797

Owner JUDY PROCIDA (AKA Franklinville) A&H INC.  
Address 244 Iona Lake Road Perchtown Rd Franklinville, NJ 08322 Address 516 Davis Road Barrington, NJ 08007

Name of Facility Same As Above  
Address \_\_\_\_\_

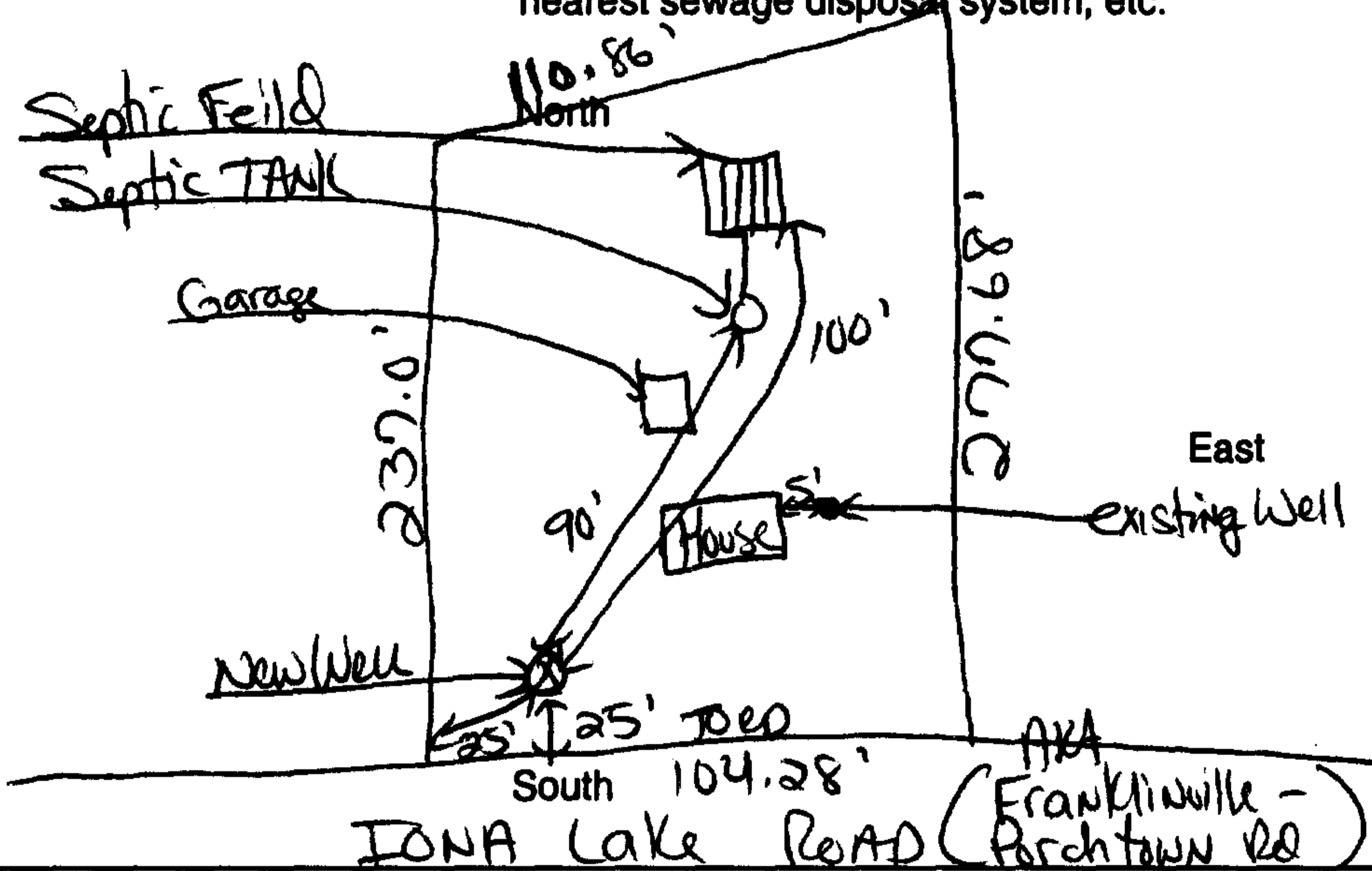
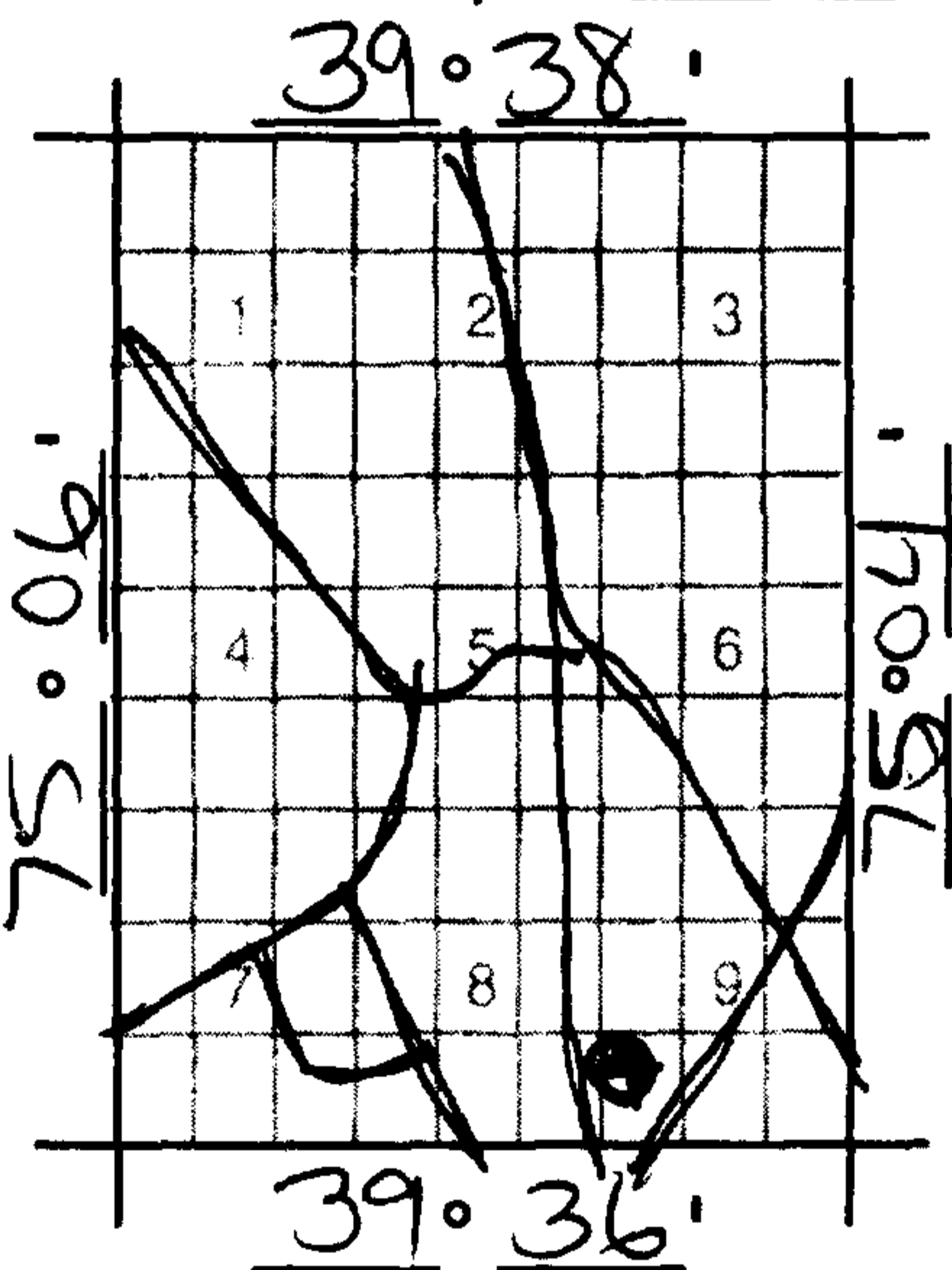
Diameter of Well	4" Inches	Proposed Depth of Well	100' Feet
Proposed Capacity of Pump	15 GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic-Replacement		
Drinking Water Supply?	XX (see # 6 on reverse)		no

LOCATION OF WELL

Lot #	Block #	Municipality	County
13	4201	FRANKLIN	Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31-32797



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- CLOSED LOOP GEOTHERMAL - see attached conditions.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

**WELL PERMIT APPROVED**  
N.J.D.E.P.

**AUG 9 1995**

**BUREAU OF WATER ALLOCATION**

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 08/09/95 Signature of Driller Daniel M. Hanson Registration No. 1110  
Signature of Owner Judy Procida

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



SERIAL # 74478

DWR-133 (10/93)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION & ENERGY TRENTON, NJ

Permit No. 3147576

Mail to NJDEPE Bureau of Water Allocation CN 426 Trenton, NJ 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.E.

COORD #: 31.32.793

Owner GEORGE SKRIAPAS Address RD1 BOX 455 FRANKLINVILLE, NJ 08322 Name of Facility NEW CONSTRUCTION Address PORCHTOWN-WILLIAMSTOWN RD FRANKLINVILLE, NJ 08322

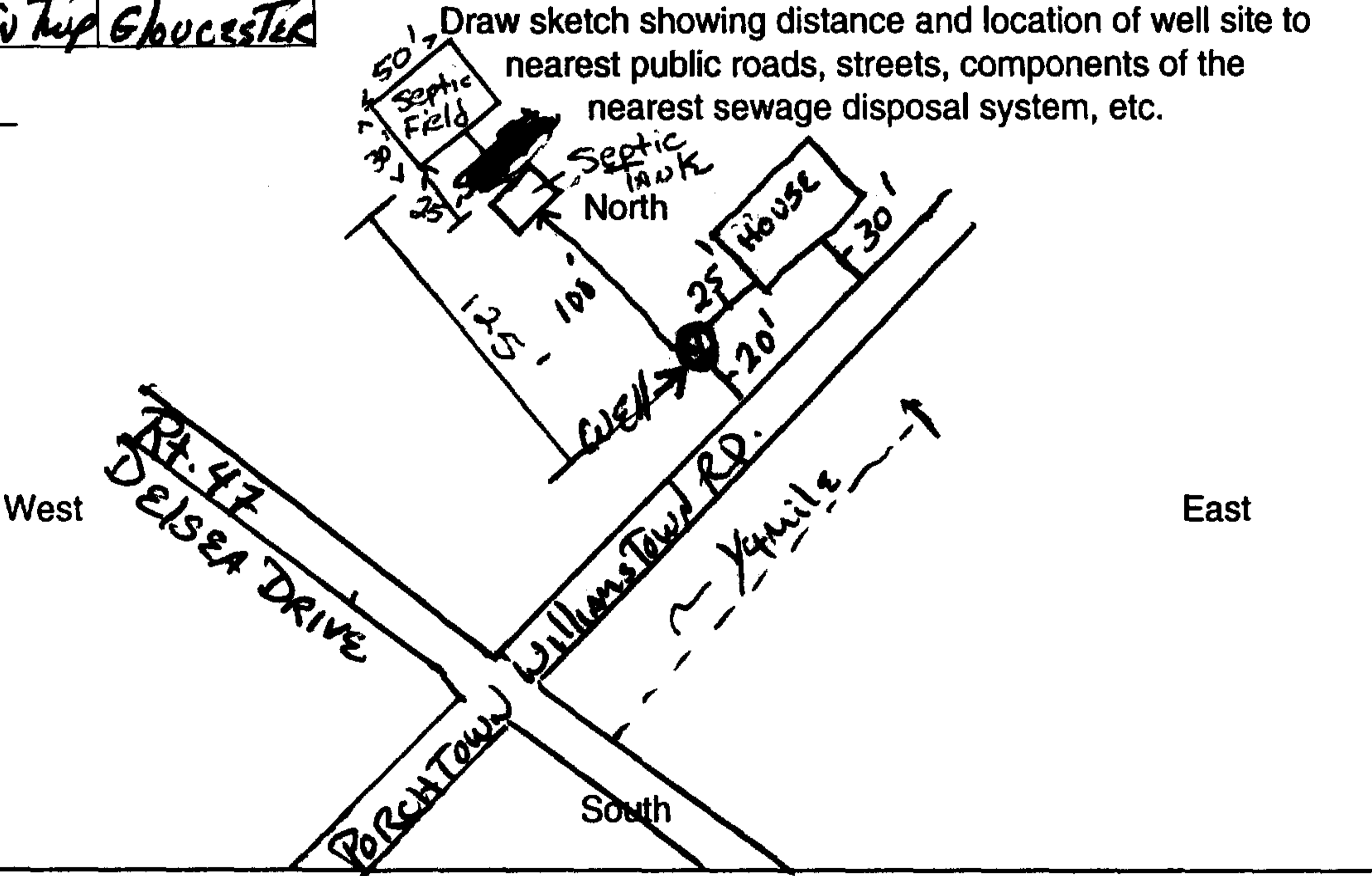
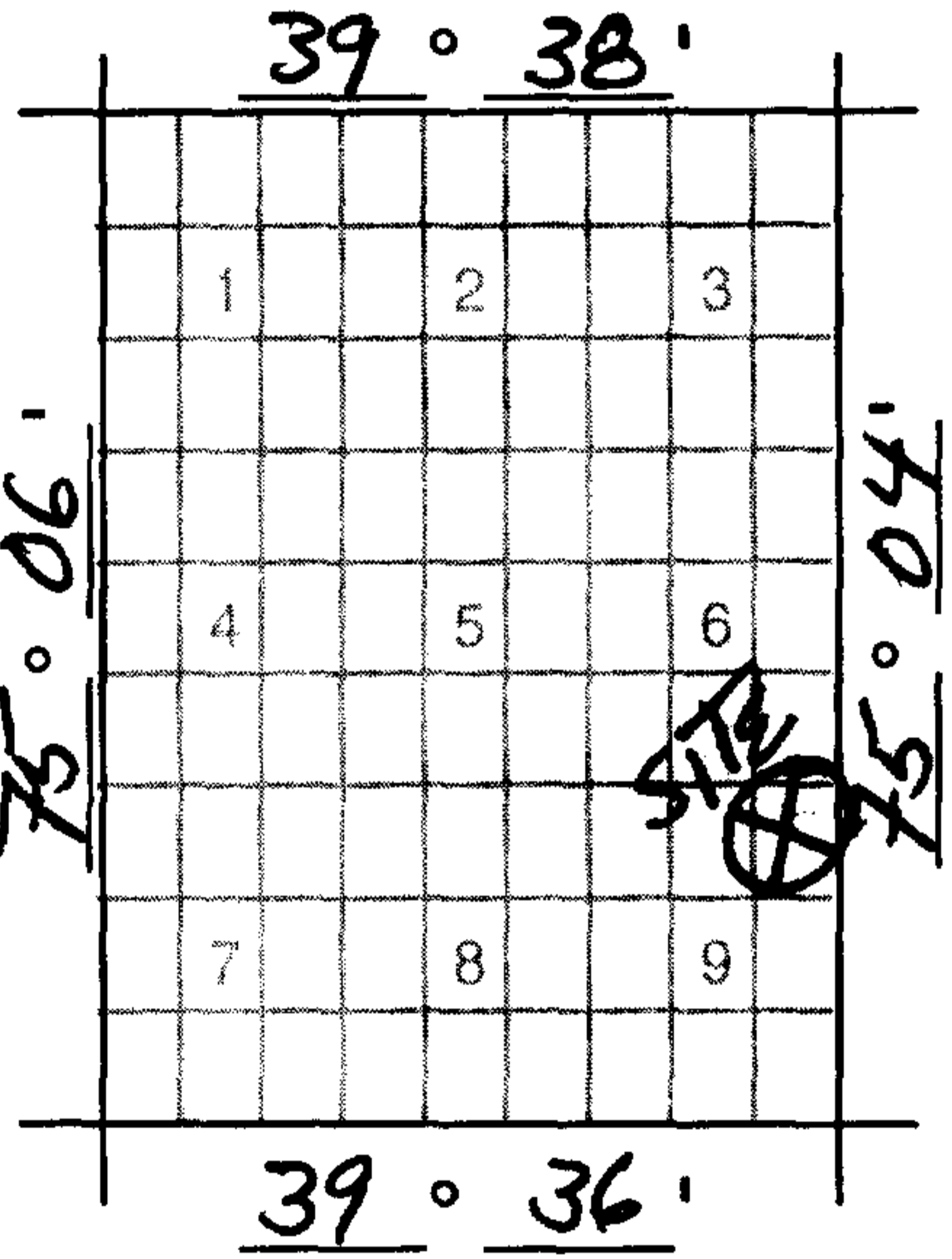
Driller JAMES C. ANDERSON ASSOC., INC. Address 907 PLEASANT VALLEY AVE. MT. LAUREL, NJ 08054

Table with well specifications: Diameter of Well (4 inches), Proposed Depth of Well (100 feet), Proposed Capacity of Pump (10 GPM), Method of Drilling (Rotary, MWD), Use of Well (DOMESTIC), Drinking Water Supply? (DOMESTIC, Yes).

LOCATION OF WELL

Table with location details: Lot # 44, Block # 3905, Municipality Franklin Twp, County Gloucester

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq. PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq. DOMESTIC IRRIGATION SUPPLY - No piping from the well for which the permit applies shall enter any building whose potable water is supplied through a public water system. OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well. INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq. REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment. IRRIGATION PURPOSES ONLY TEST PURPOSES ONLY PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84(a)4.v. are met. MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s). The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp. WELL PERMIT APPROVED NJDEP. AUG 25 1995. BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 8/11/95

Signature of Driller Steven Buga License No. 1624 Signature of Owner George Skripas

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White



Emergency Well

SERIAL # 90254

DWR-133 (95)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON, NJ

Mail to NJDEP Bureau of Water Allocation CN 426 Trenton, NJ 08625-0426

PERMIT TO DRILL WELL 05

Permit No. 31-47742 9/13/95

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31-32-797

Owner RITA Lawrence
Address Grayberry Drive (AKA West Blvd) Franklinville, NJ 08322
Name of Facility Same
Address

Driller A&H INC
Address 516 Davis Rd Barrington, N.J. 08007

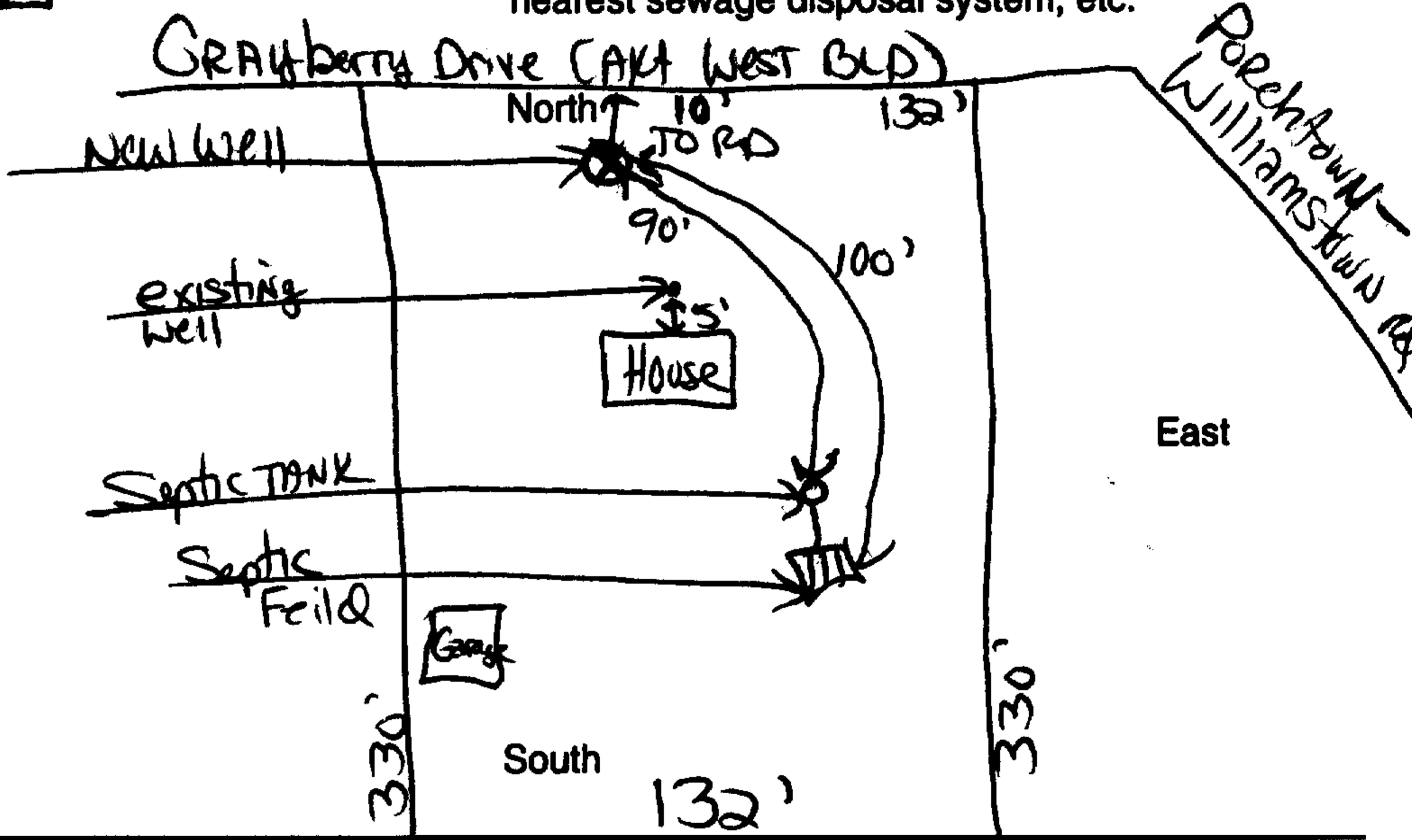
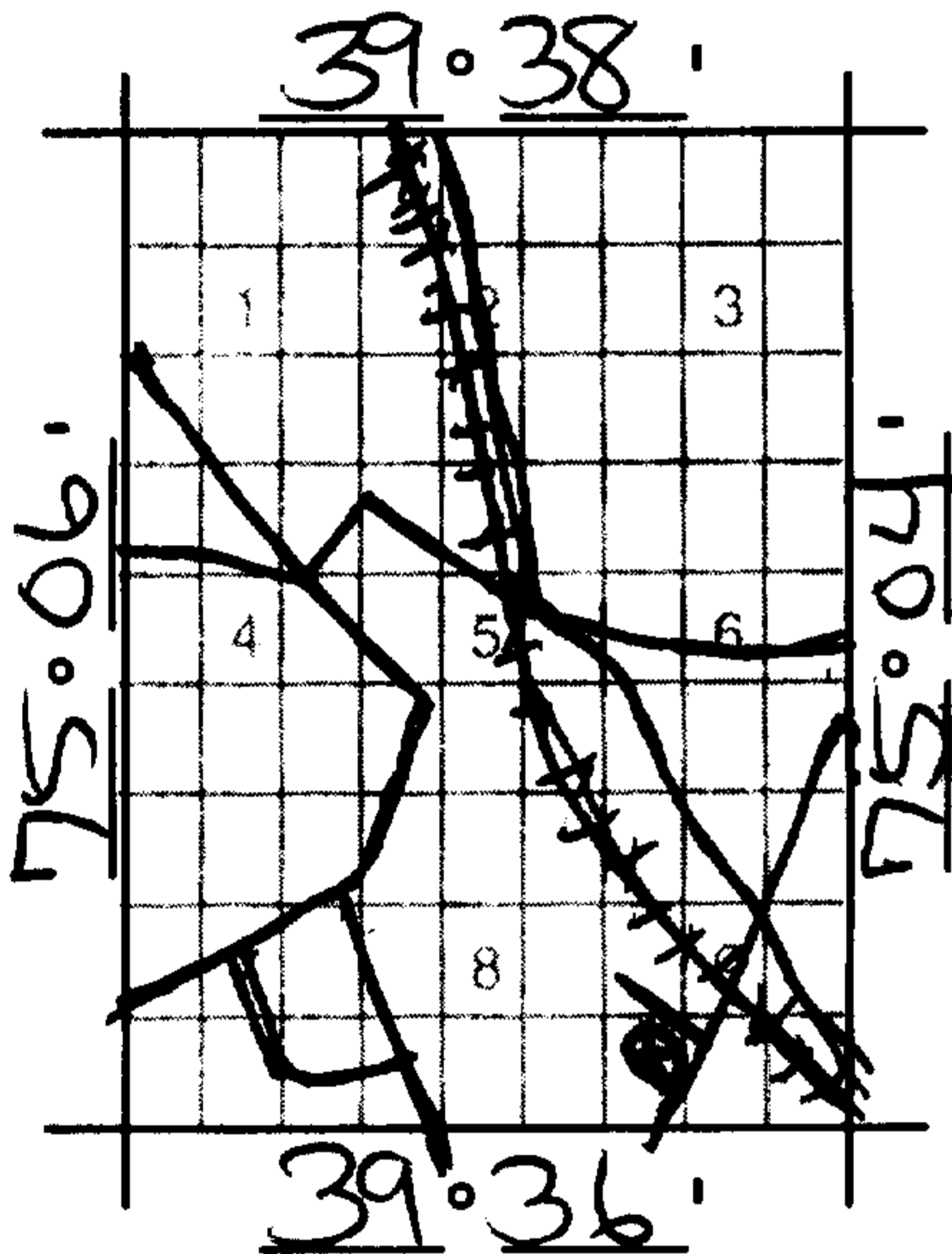
Table with 2 columns: Field Name and Value. Fields include Diameter of Well (4 inches), Proposed Depth of Well (100' Feet), Proposed Capacity of Pump (15 GPM), Method of Drilling (Rotary), Use of Well (Domestic - Replacement), and Drinking Water Supply? (yes).

LOCATION OF WELL

Table with 4 columns: Lot # (7), Block # (3504), Municipality (Franklin), County (Gloucester)

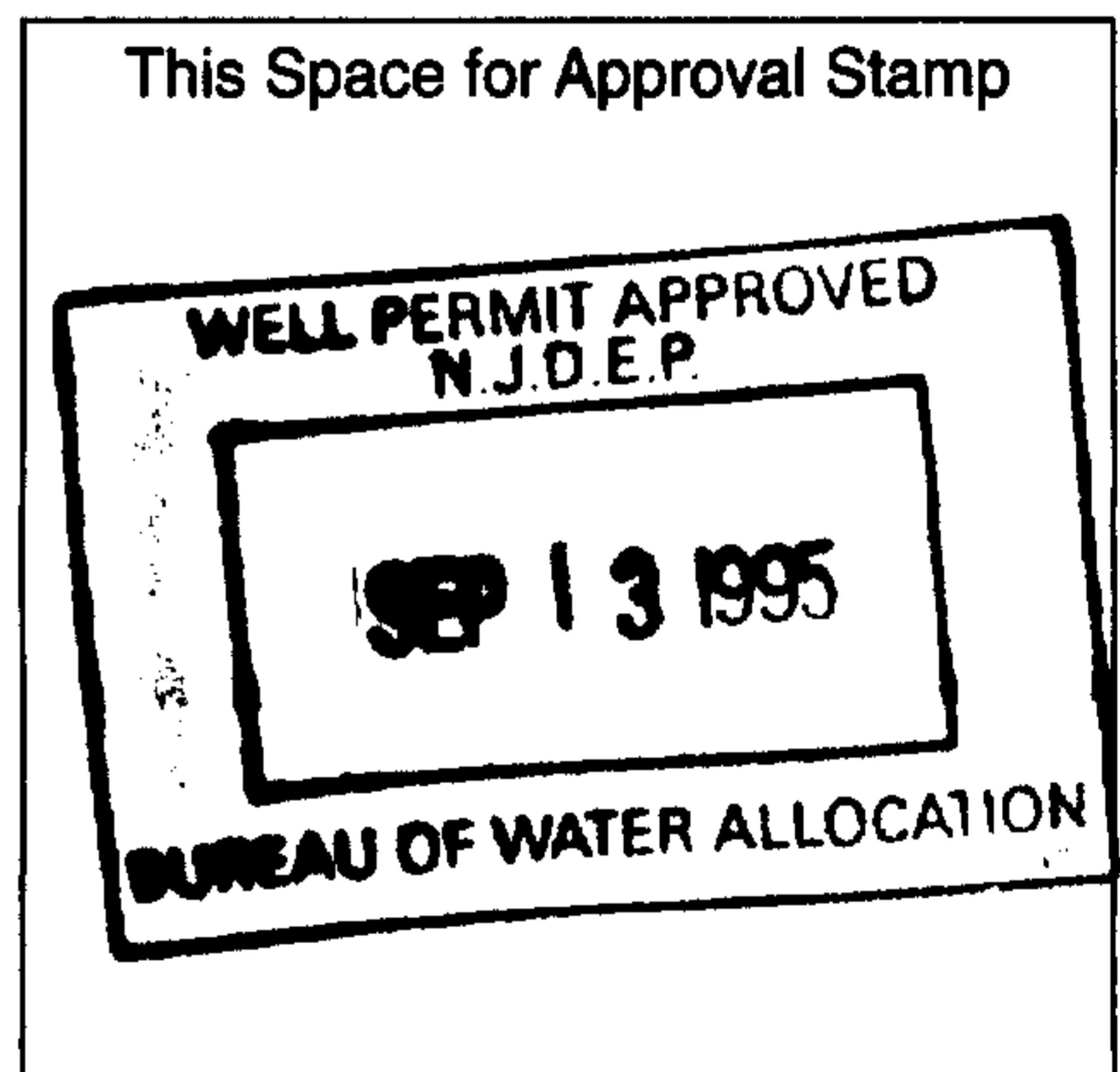
State Atlas Map No. 31-32797

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
CLOSED LOOP GEOTHERMAL - see attached conditions.
OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
IRRIGATION PURPOSES ONLY
TEST PURPOSES ONLY
PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 09/13/95
Signature of Driller Daniel M. Herms
Registration No. 1110
Signature of Owner Rita Lawrence

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White



SERIAL # 91578

DWR-133 (6/95)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON, NJ

05 Emergency Well Permit No. 31-47949 10/06/95

Mail to NJDEP Bureau of Water Allocation CN 426 Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.798

Owner Mr. Steve Kressley Address 12 Greensboro Road Franklinville, NJ 08322 Name of Facility Same Address

Driller Andersons Well Drilling Address 143 Taunton Ave Atco, NJ 08004

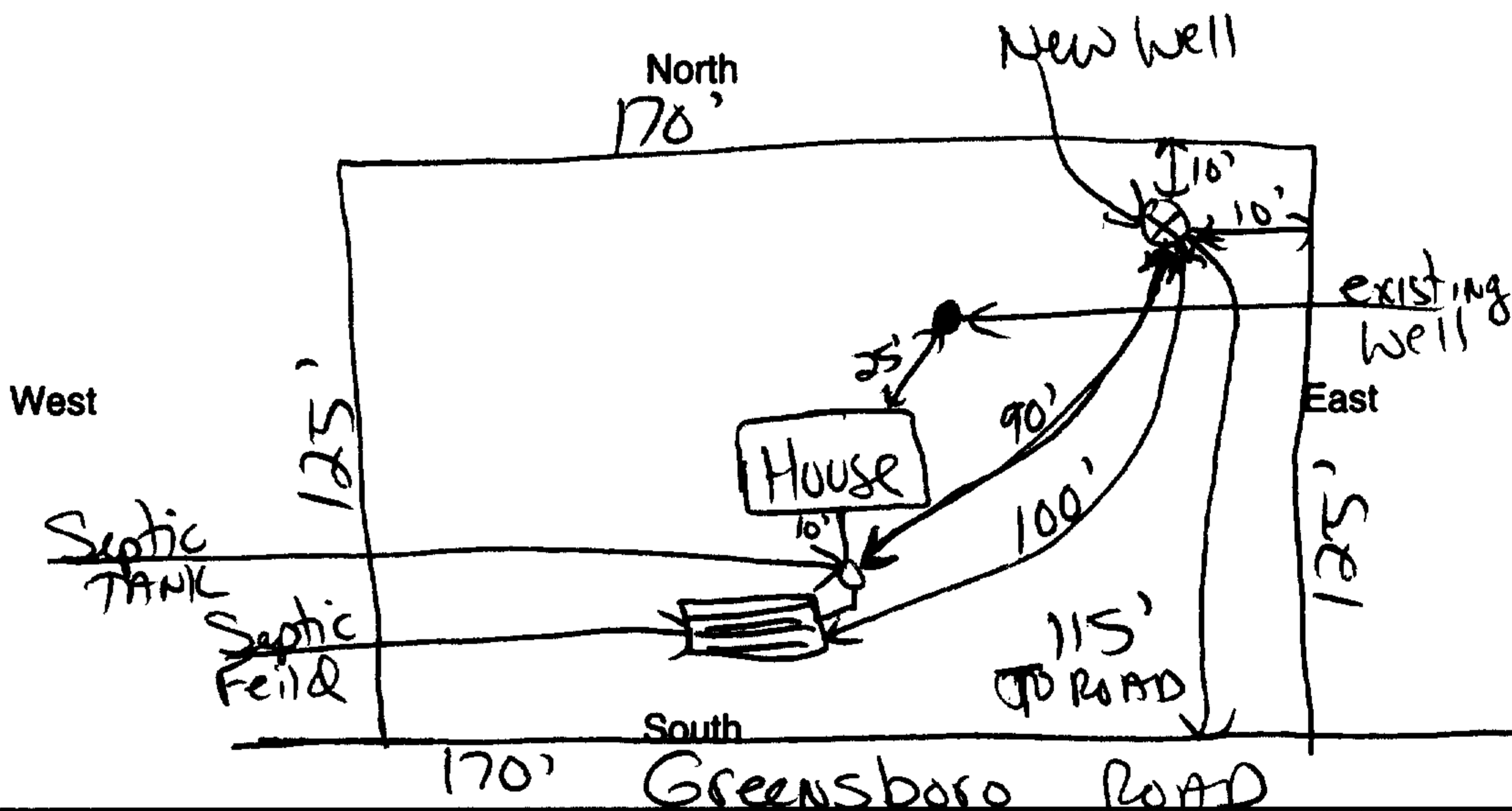
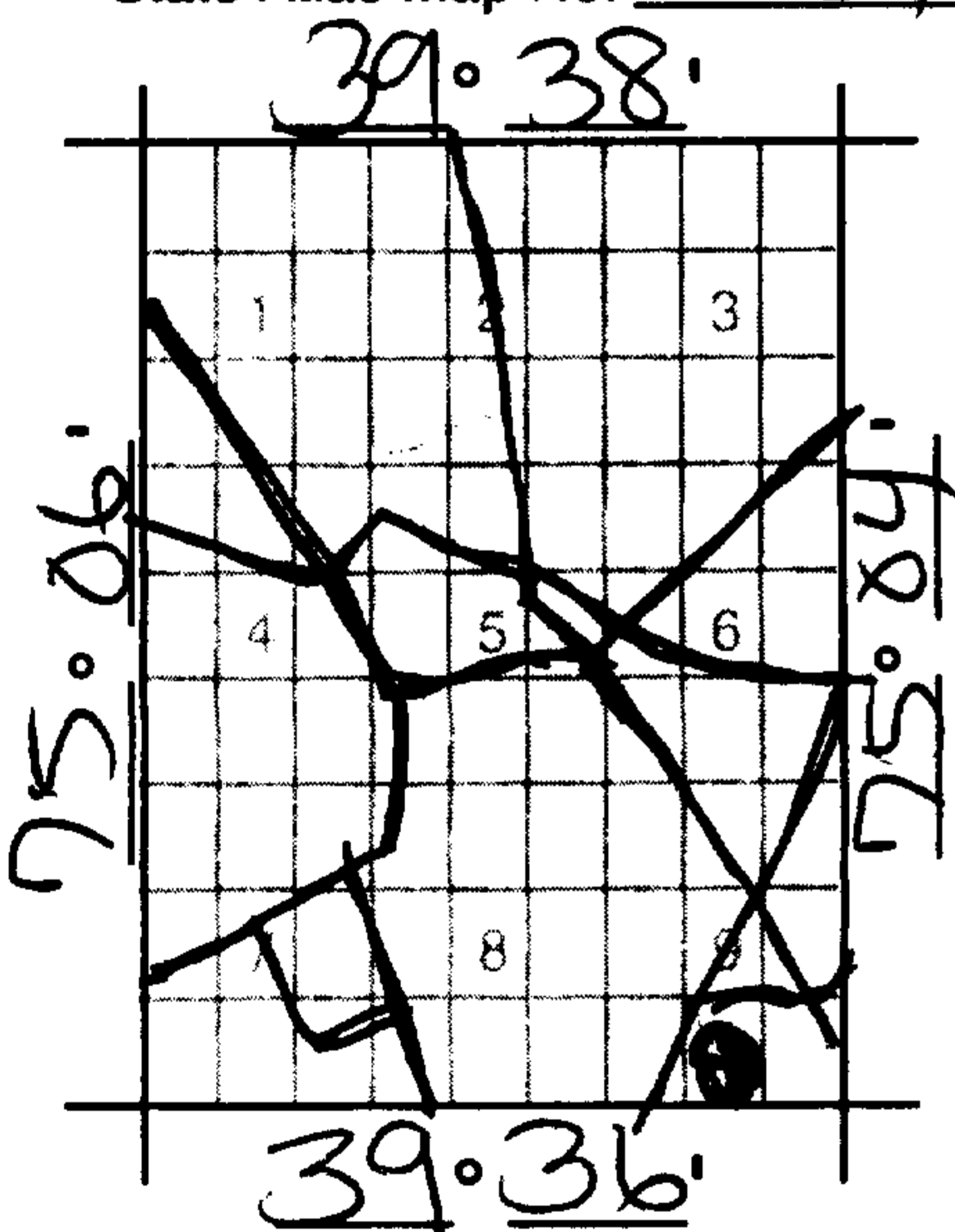
Table with 2 columns: Proposed Well and Method of Drilling. Diameter of Well: 4 inches, Proposed Depth of Well: 100' Feet, Proposed Capacity of Pump: 15 GPM, Method of Drilling: Rotary, Use of Well: Domestic - Replacement, Drinking Water Supply? (checked) (see # 6 on reverse) no

AKA LOT 4 BL 139

LOCATION OF WELL

Table with 4 columns: Lot, Block, Municipality, County. Lot: 14, Block: 4116, Municipality: Franklin, County: Gloucester. State Atlas Map No. 31-32798

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
CLOSED LOOP GEOTHERMAL - see attached conditions.
OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
IRRIGATION PURPOSES ONLY TEST PURPOSES ONLY
PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp. WELL PERMIT APPROVED NJDEP. 10-6-95. BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 10/06/95 Signature of Driller Ronald K. Amick Registration No. 0980 Signature of Owner Steve Kressley

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White



SERIAL # 89710

DWR-133  
(6/95)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Mail to  
NJDEP  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

Permit No. 31-48271  
11/30/95

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.793

Owner Delsea Regional High School

Driller Quinlan Well Drilling

Address Fries Mill Rd.

Address 248 E. Landis Ave. RD5

Franklinville, N.J. 08322

E. Vineland, N.J. 08360

Name of Facility Same

Diameter of Well	4	Inches	Proposed Depth of Well	100	Feet
Proposed Capacity of Pump	30	GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary	
Use of Well (See Reverse)	Non-Public - New				
Drinking Water Supply?	XX	yes (see # 6 on reverse)	no		

Address \_\_\_\_\_

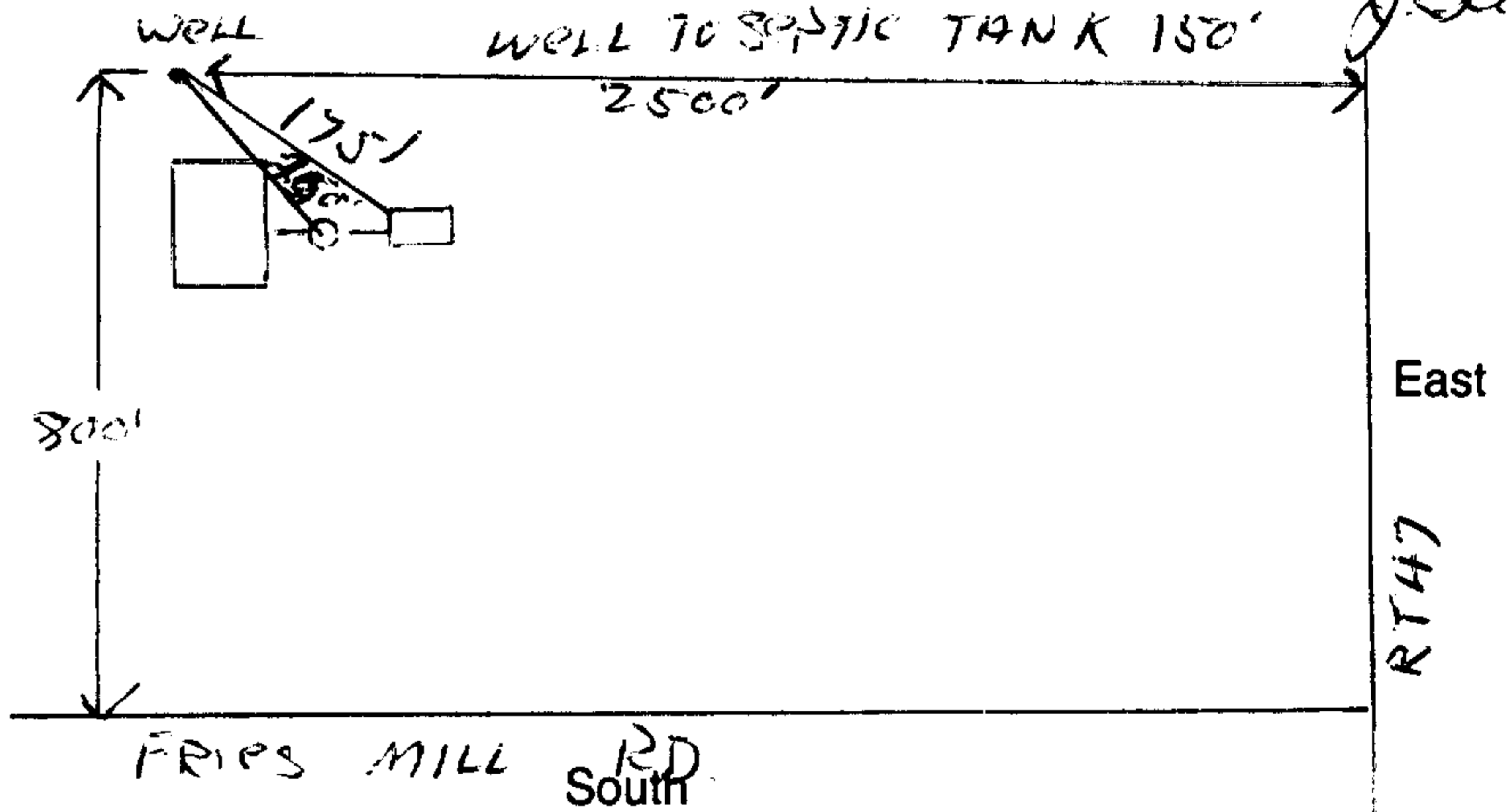
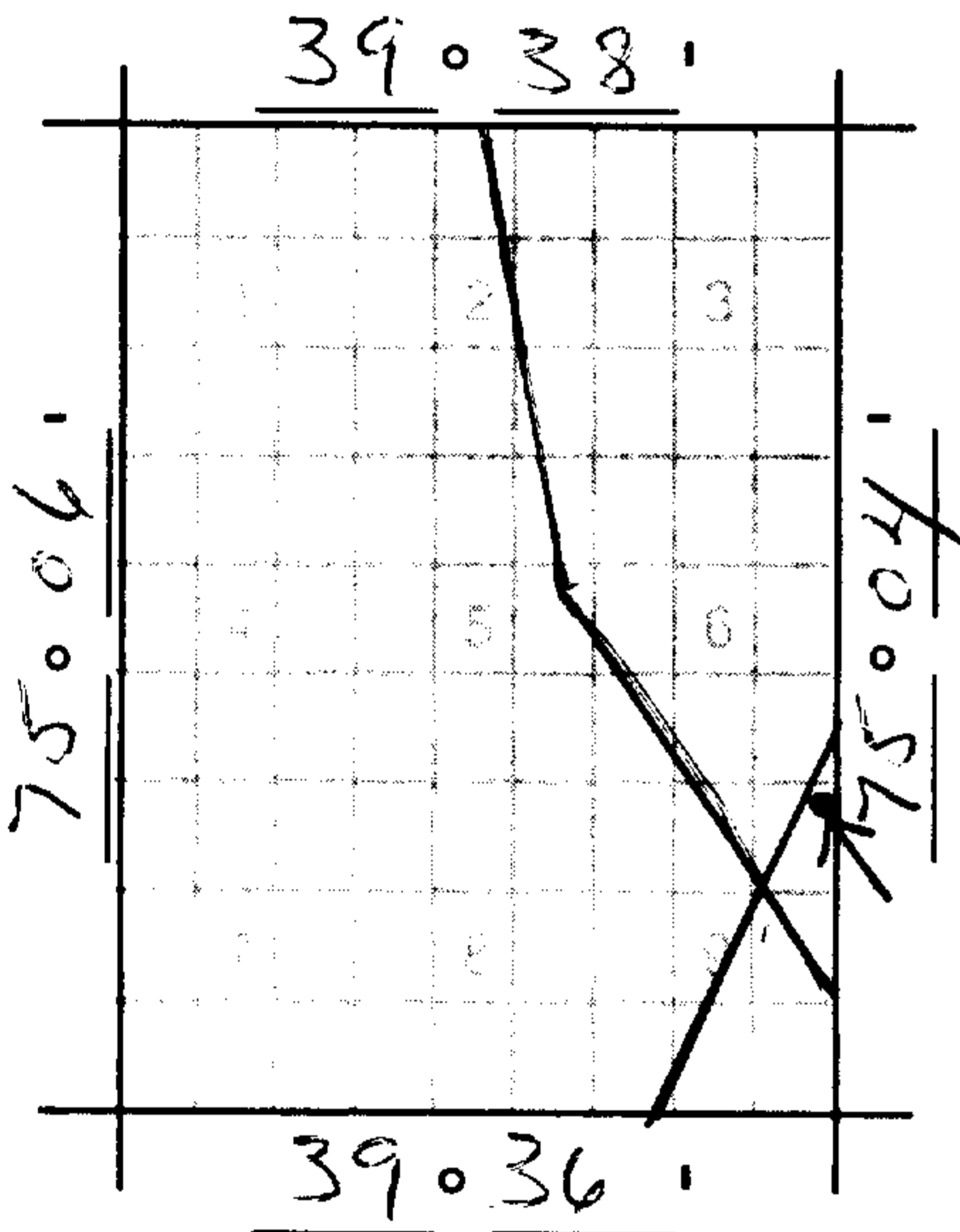
LOCATION OF WELL

Lot #	Block #	Municipality	County
97	1401	Franklin Twp Gloucester	

State Atlas Map No. 31

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

The building to be served by this system has been shut off from main building, North they have no water. *J. Quinlan*



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- CLOSED LOOP GEOTHERMAL - see attached conditions.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

WELL PERMIT APPROVED  
NOV 30 1995  
BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 11/30/95

Signature of Driller *J. Quinlan*

Registration No. 962

Signature of Owner *J. Redom*

COPIES:

Water Allocation — White

Health Dept. — Yellow

Owner — Blue

Driller — White



05

Permit No. 3148357

PERMIT TO DRILL WELL

Mail to  
NJDEP  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625-0426  
W-08-92-4676  
ID 0805001

OK  
MJC  
BSOW  
12-14-95

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31:32:799

Owner ANTONIO & RITA FAIOLA (665-9283)

Driller JAMES C. MESIANO

Address 721 BRECHWOOD AVE.  
CHERRY HILL, N.J. 08002

Address 1506 N. MAIN ST.  
WILLIAMSTOWN, N.J. 08094

Name of Facility IONA TRAILER PARK (694-0396)

Diameter of Well 6 Inches Proposed Depth of Well 140 Feet

Address DELSEA DRIVE & BELLE AVE.  
FRANKLINVILLE, N.J. 08322

Proposed Capacity of Pump 50 GPM Method of Drilling (cable-tool, Rotary, etc.) ROTARY

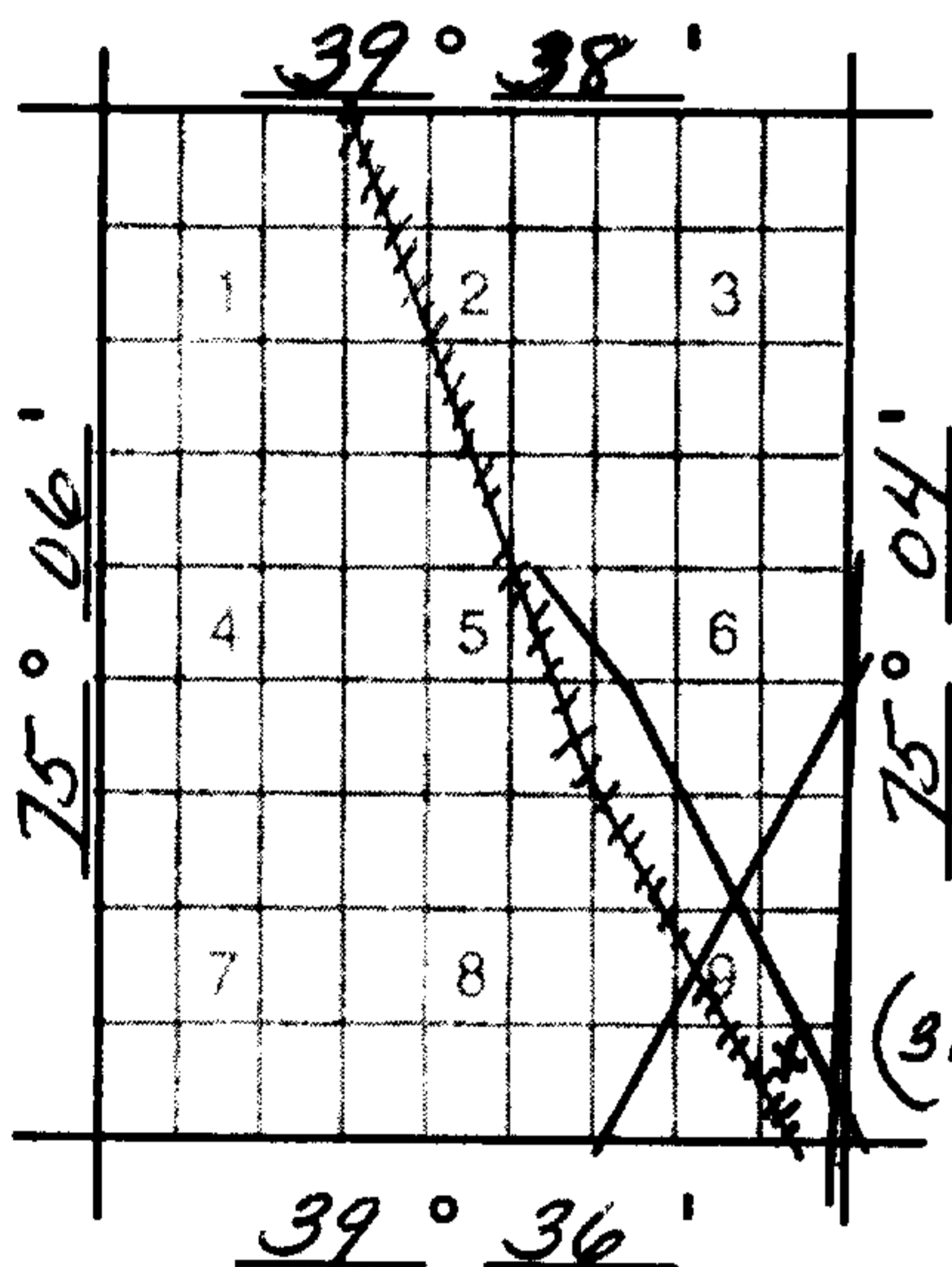
Use of Well (See Reverse) PUBLIC COMMUNITY  
Drinking Water Supply? XXX (yes) (see # 6 on reverse) no

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>5</u>	<u>4111</u>	<u>FRANKLIN TWP</u>	<u>GLouceSTER</u>

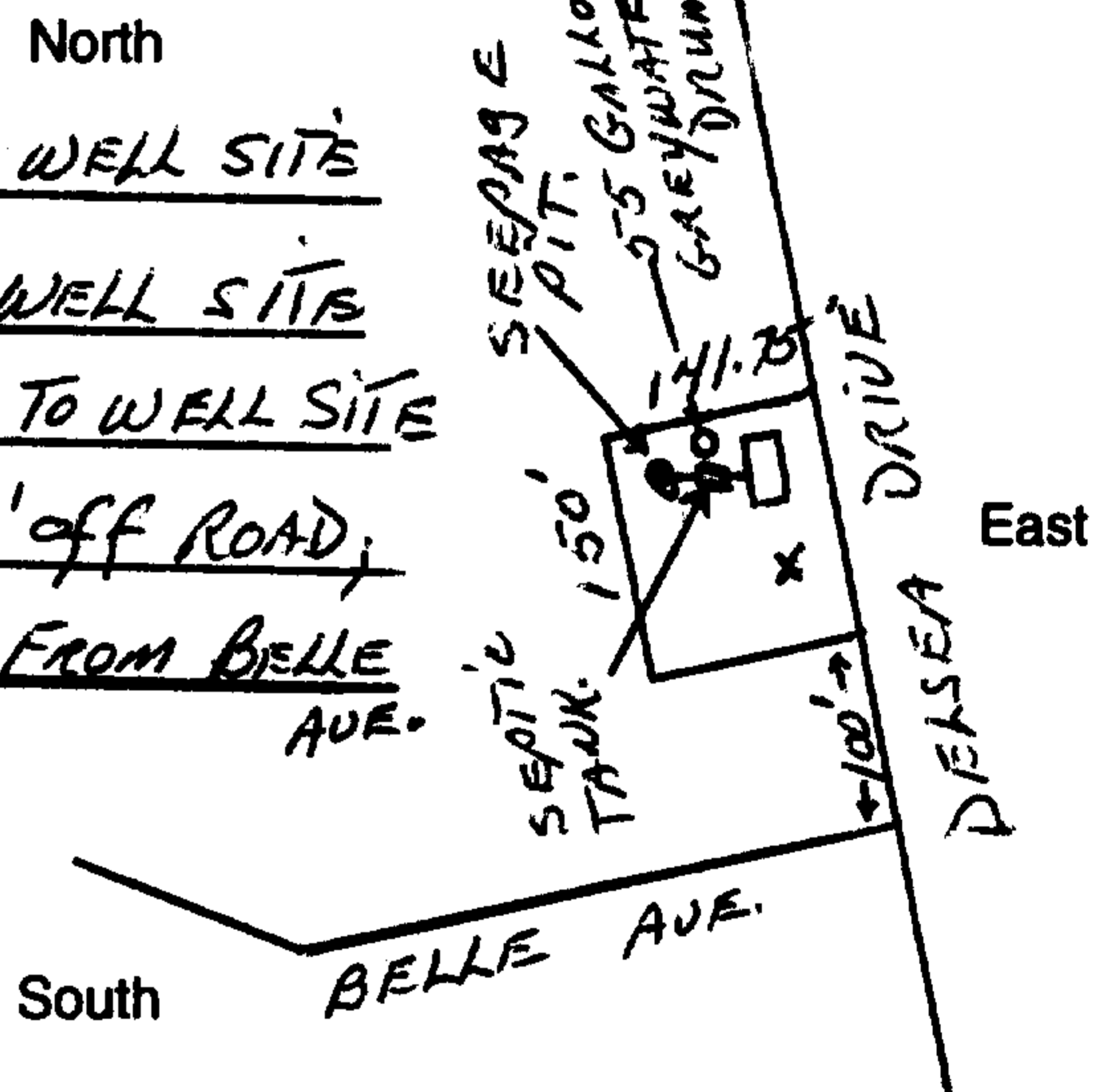
Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



- ⊗ SEEPAGE PIT - 105' FROM WELL SITE
- ⊗ SEPTIC TANK - 90' FROM WELL SITE
- ⊗ GREY WATER DRUM - 100' TO WELL SITE
- West ⊗ WELL - APPROX. 55' OFF ROAD, DELSEA DR. AND 120' OFF OR/ FROM BELLE AVE.

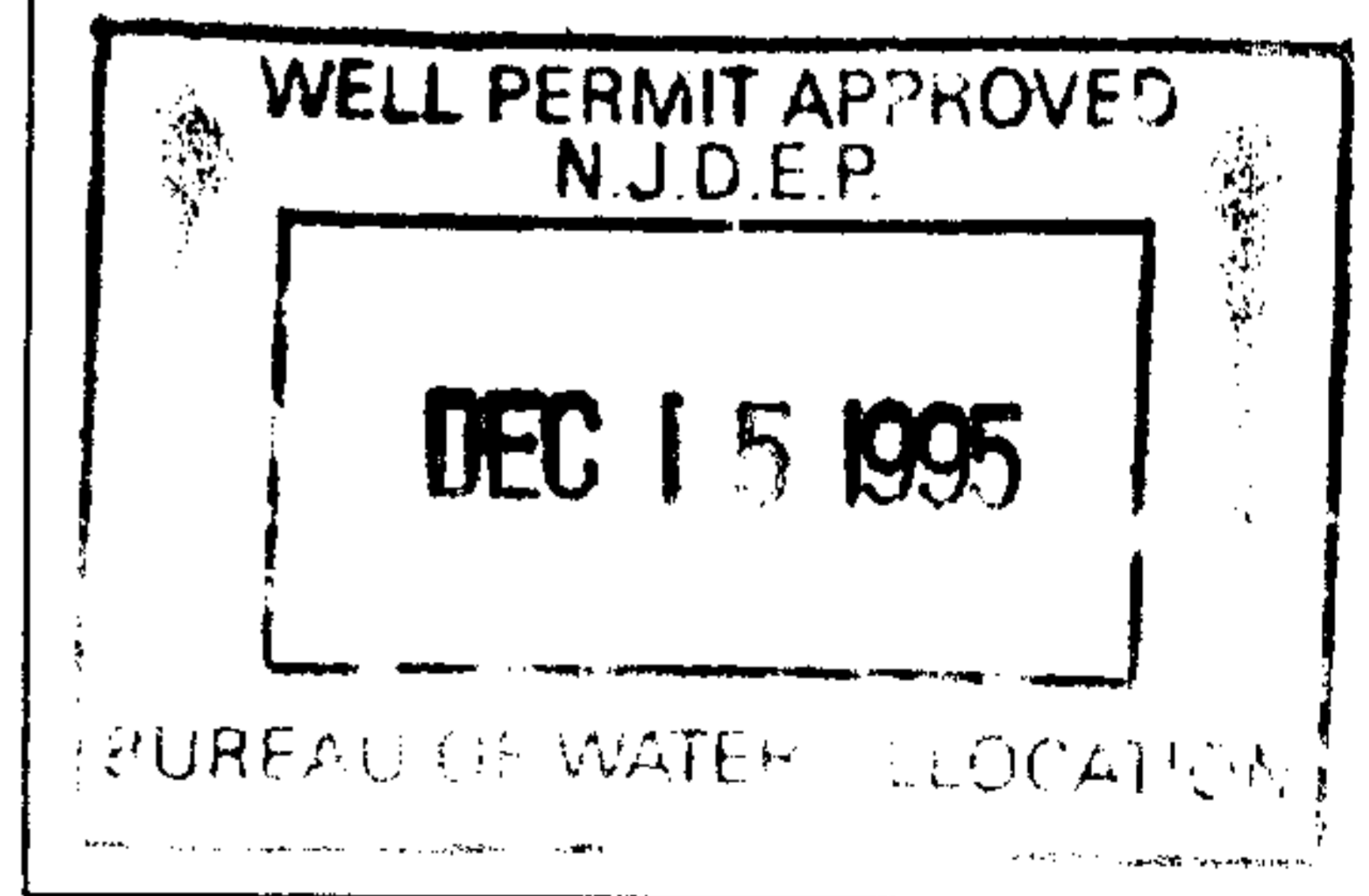
(31-32-799)



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- CLOSED LOOP GEOTHERMAL - see attached conditions.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 12-5-95

Signature of Driller James C. Mesiano Registration No. 1078

Signature of Owner J. C. M. % Antonio Faiola

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



SERIAL # 94279

DWR-133  
(6/95)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Mail to  
NJDEP  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

5 Permit No. 3148568

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.42.132

Owner C & E Development

Driller Uni-Tech Drilling Co., Inc.

Address P.O. Box 345  
Clayton, NJ 08312

Address 602 West Main Street  
Malaga, NJ 08328-4209

Name of Facility Same

Diameter of Well	4	Inches	Proposed Depth of Well	100	Feet
Proposed Capacity of Pump	12	GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary	

Address Oak Avenue

Use of Well (See Reverse) Domestic

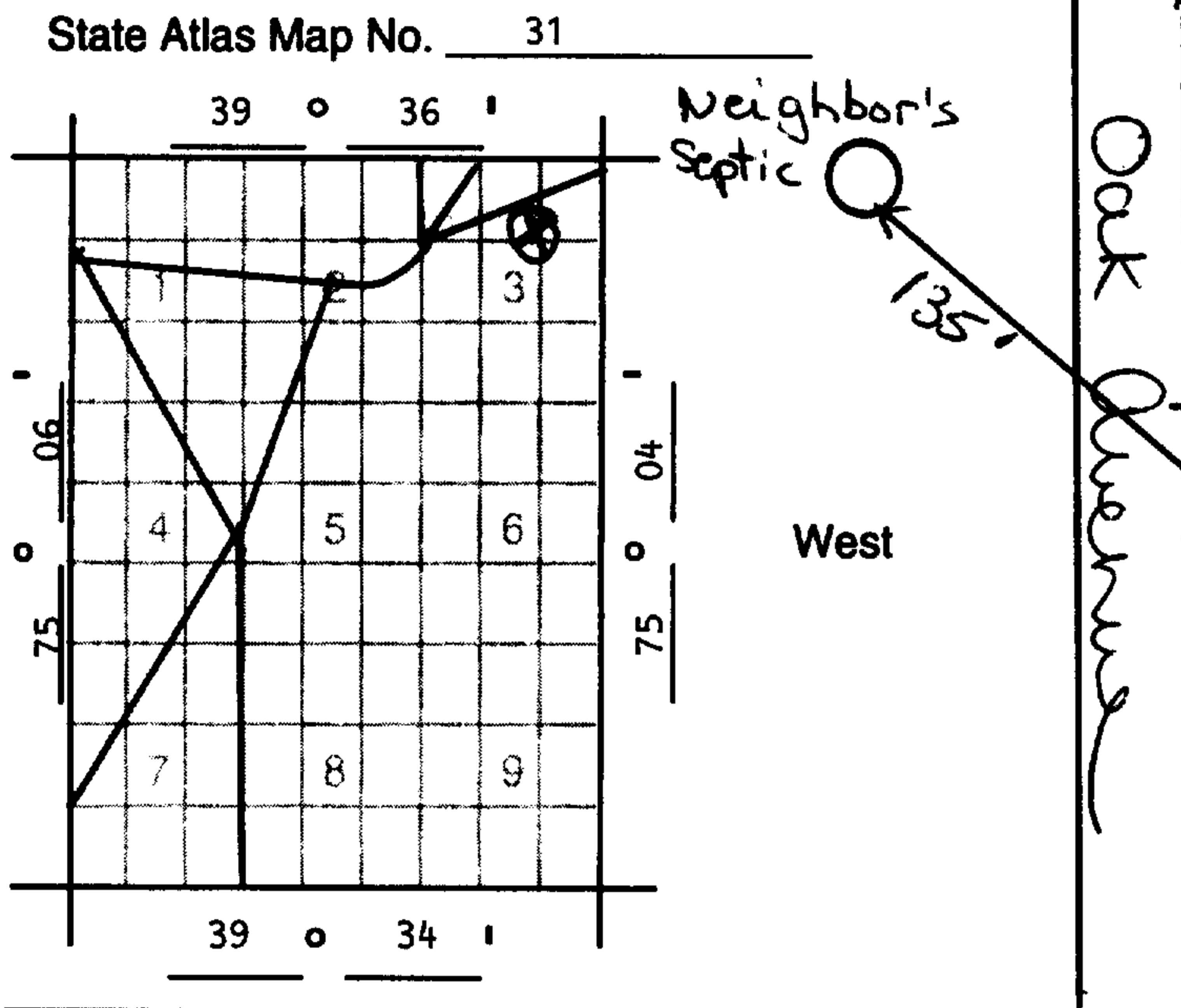
Address Franklin Twp., NJ

Drinking Water Supply? Yes yes (see # 6 on reverse) no

LOCATION OF WELL

Lot #	Block #	Municipality	County
32	4904	Franklin	Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- CLOSED LOOP GEOTHERMAL - see attached conditions.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

WELL PERMIT APPROVED  
NJDEP

JAN 22 1996

BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 1-3-96

Signature of Driller [Signature]

Registration No. M0804

Signature of Owner Janine Morris for J. Cuccinotta

COPIES:

Water Allocation — White

Health Dept. — Yellow

Owner — Blue

Driller — White



SERIAL # 93619

DWR-133 (6/95)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON, NJ

Mail to NJDEP Bureau of Water Allocation CN 426 Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

Permit No. 3148569

5

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.42.132

Owner C & E Development Address P.O. Box 345 Clayton, NJ 08312

Driller Uni-Tech Drilling Co., Inc. Address 602 West Main Street Malaga, NJ 08328-4209

Name of Facility Same Address Avery Lynn Court Franklin Twp., NJ

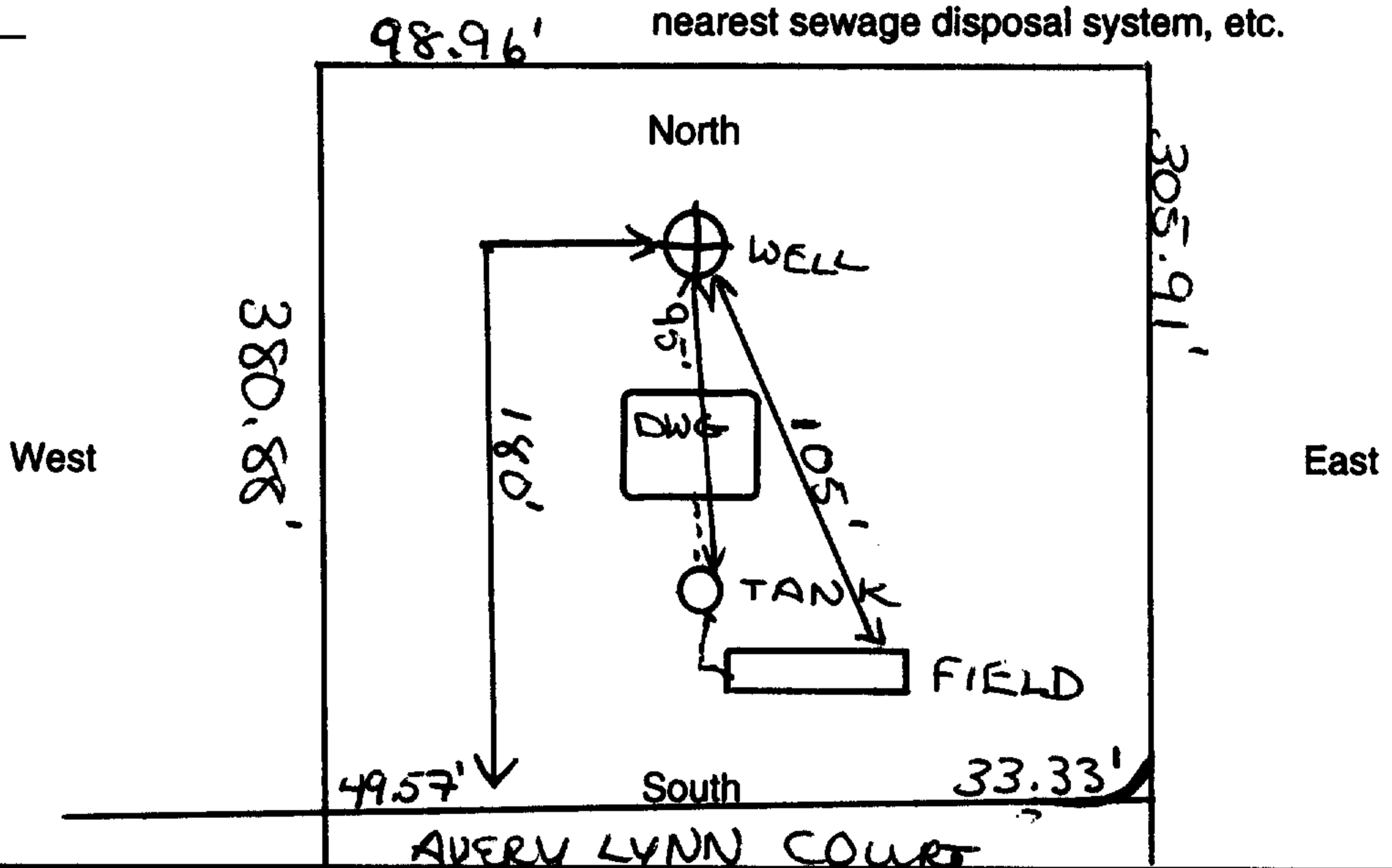
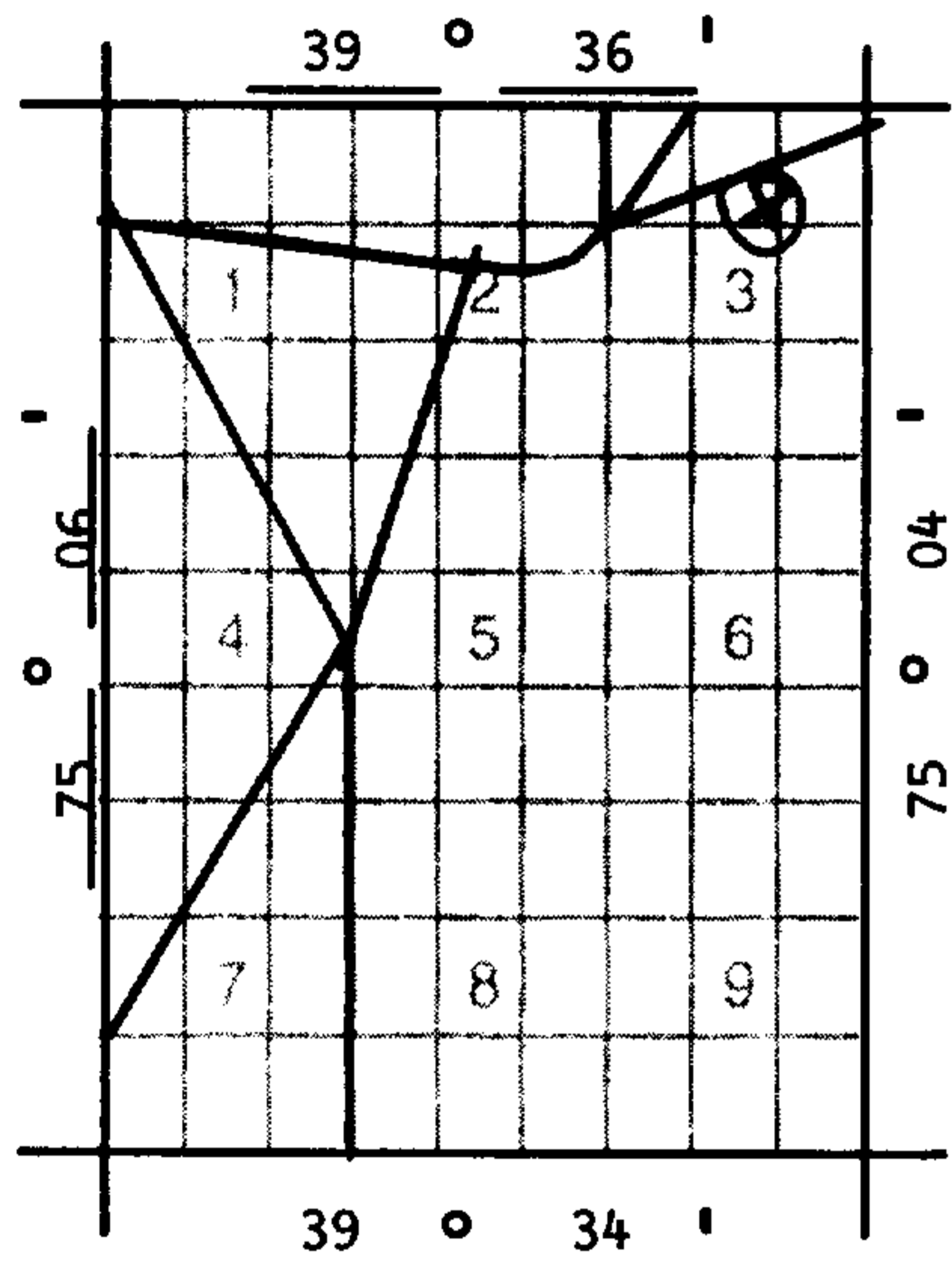
Table with well specifications: Diameter of Well (4 inches), Proposed Depth of Well (100 feet), Proposed Capacity of Pump (12 GPM), Method of Drilling (Rotary), Use of Well (Domestic), Drinking Water Supply? (Yes)

LOCATION OF WELL

Table with location details: Lot # 32.06, Block # 4904, Municipality Franklin, County Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq. PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq. CLOSED LOOP GEOTHERMAL - see attached conditions. OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well. INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq. IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq. REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment. IRRIGATION PURPOSES ONLY TEST PURPOSES ONLY PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met. MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s). The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp. WELL PERMIT APPROVED N.J.D.E.P. JAN 22 1996 BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 1-3-96 Signature of Driller [Signature] Registration No. M0804 Signature of Owner [Signature] for J. Cuccinotta

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White



SERIAL # 93617

DWR-133  
(6/95)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Permit No. 3148571

Mail to  
NJDEP  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL **5**

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.42.133

Owner C & E Development  
Address P.O. Box 345  
Clayton, NJ 08312

Driller Uni-Tech Drilling Co., Inc.  
Address 602 West Main Street  
Malaga, NJ 08328-4209

Name of Facility Same  
Address Avery Lynn Court  
Franklin Twp., NJ

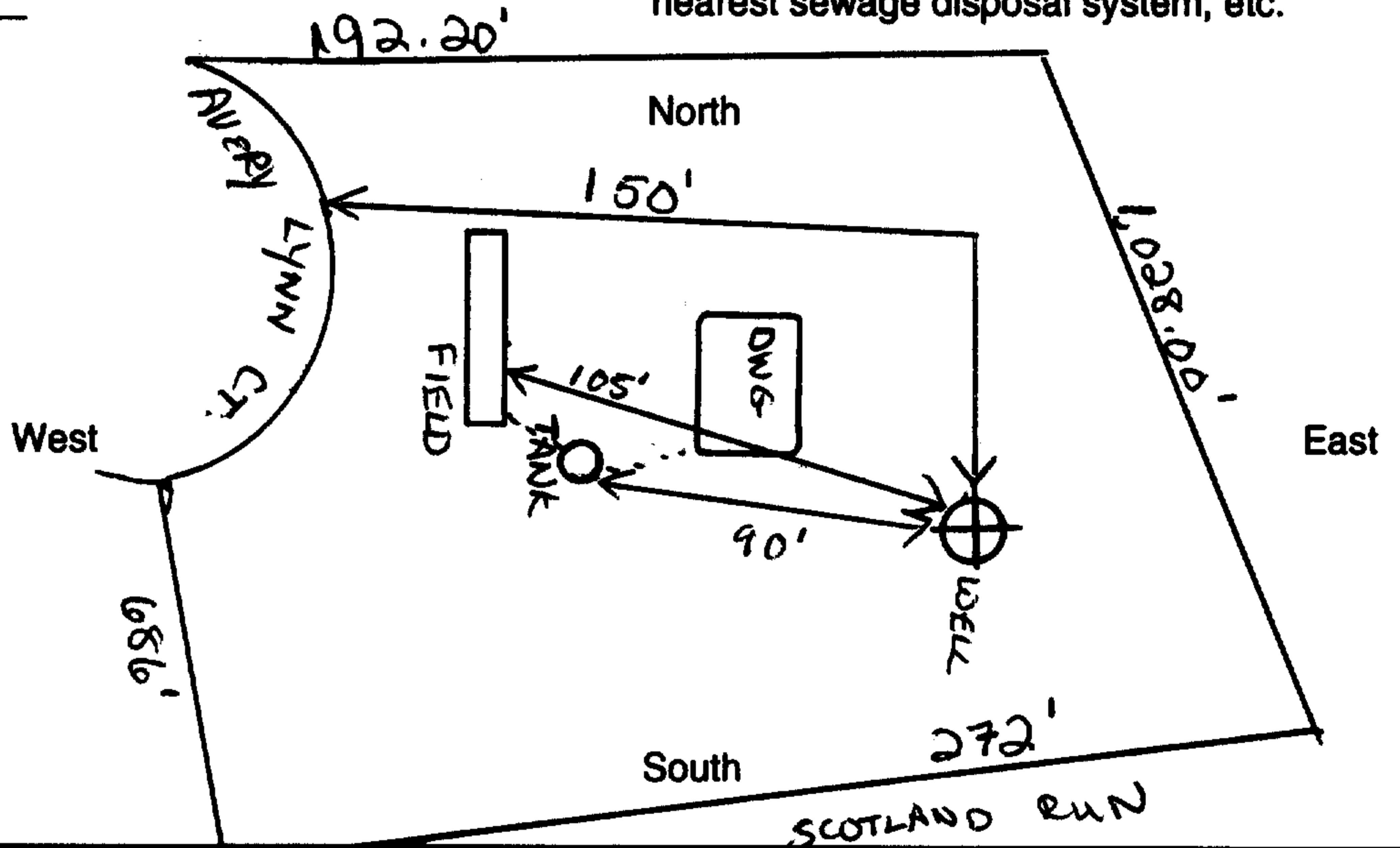
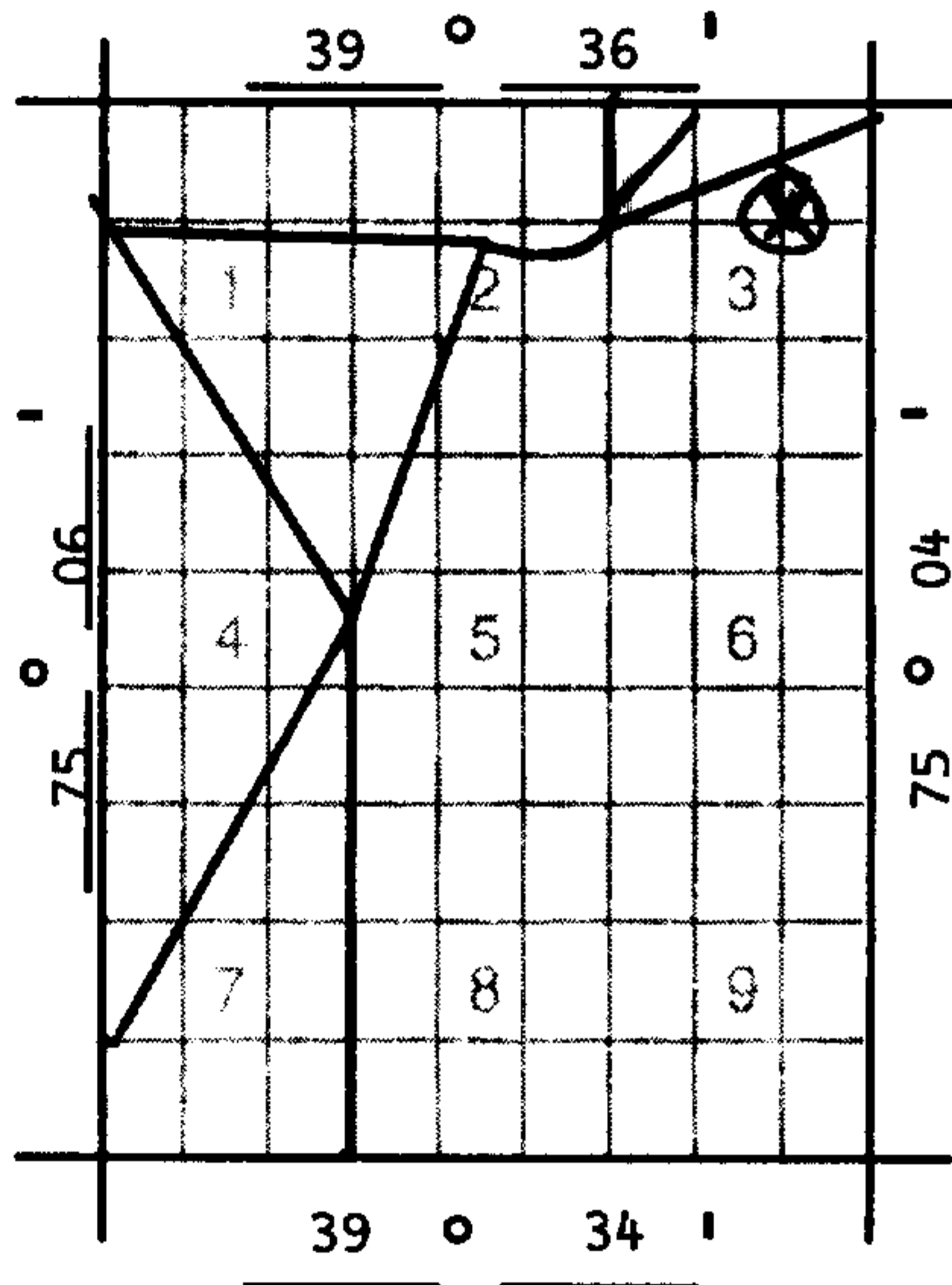
Diameter of Well	4	Inches	Proposed Depth of Well	100	Feet
Proposed Capacity of Pump	12	GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary	
Use of Well (See Reverse)	Domestic				
Drinking Water Supply?	YES	yes (see # 6 on reverse)	no		

LOCATION OF WELL

Lot #	Block #	Municipality	County
32.08	4904	Franklin	Gloucester

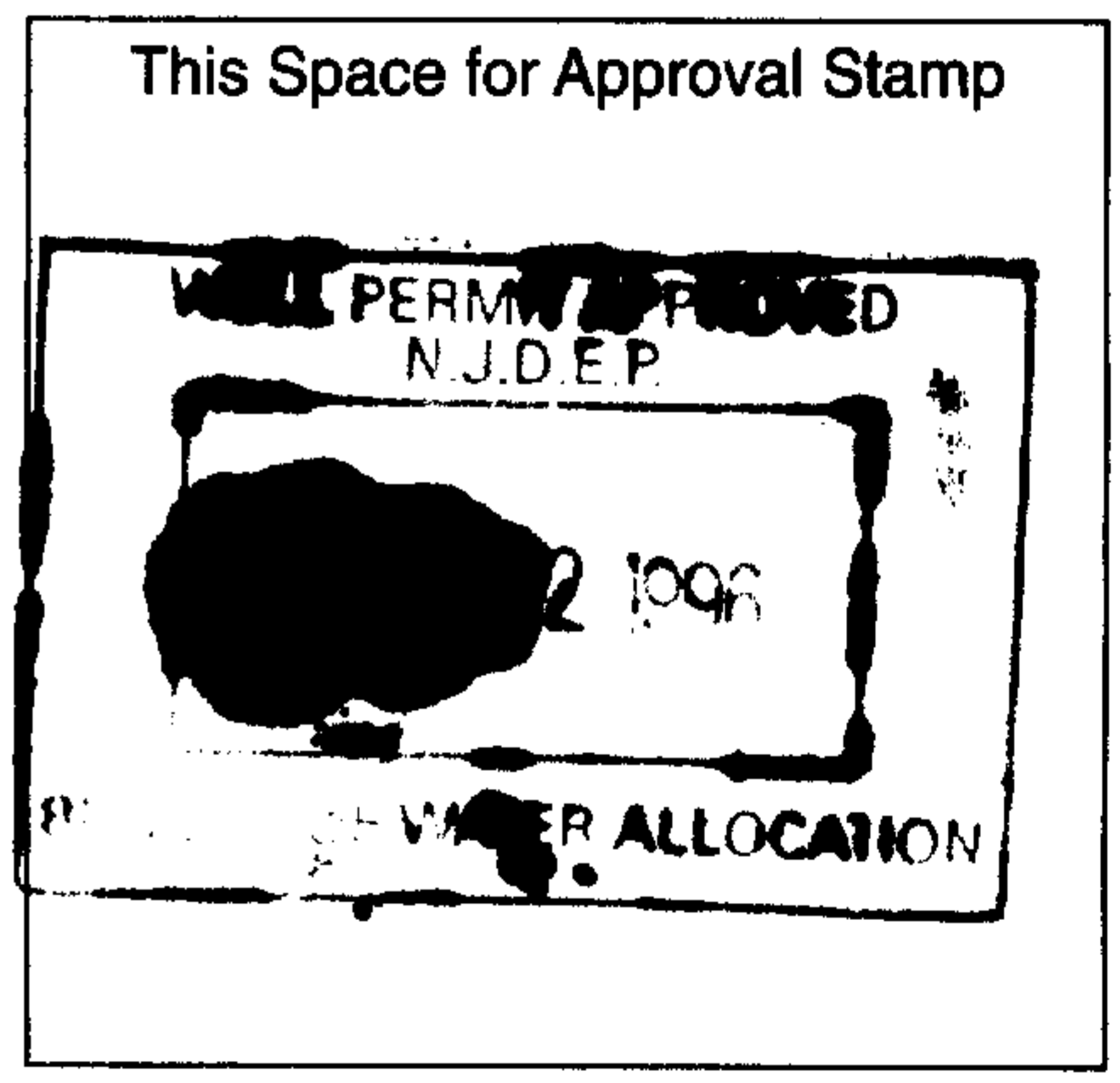
Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- CLOSED LOOP GEOTHERMAL - see attached conditions.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 1-3-96 Signature of Driller [Signature] Registration No. M0804  
Signature of Owner Janine Morris for J. Cuccinotta

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



SERIAL # 95482

DWR-133 (6/95)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON, NJ

Mail to NJDEP Bureau of Water Allocation CN 426 Trenton, NJ 08625-0426

Permit No. 3149091

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32795

Owner Steven Trout

Driller Uni-Tech Drilling Co., Inc.

Address 39 Station Avenue Franklinville, NJ 08322

Address 602 West Main Street Malaga, NJ 08328-4209

Name of Facility Same

Table with well specifications: Diameter of Well (4 inches), Proposed Depth of Well (100 feet), Proposed Capacity of Pump (12 GPM), Method of Drilling (Rotary), Use of Well (Domestic Replacement), Drinking Water Supply? (Yes)

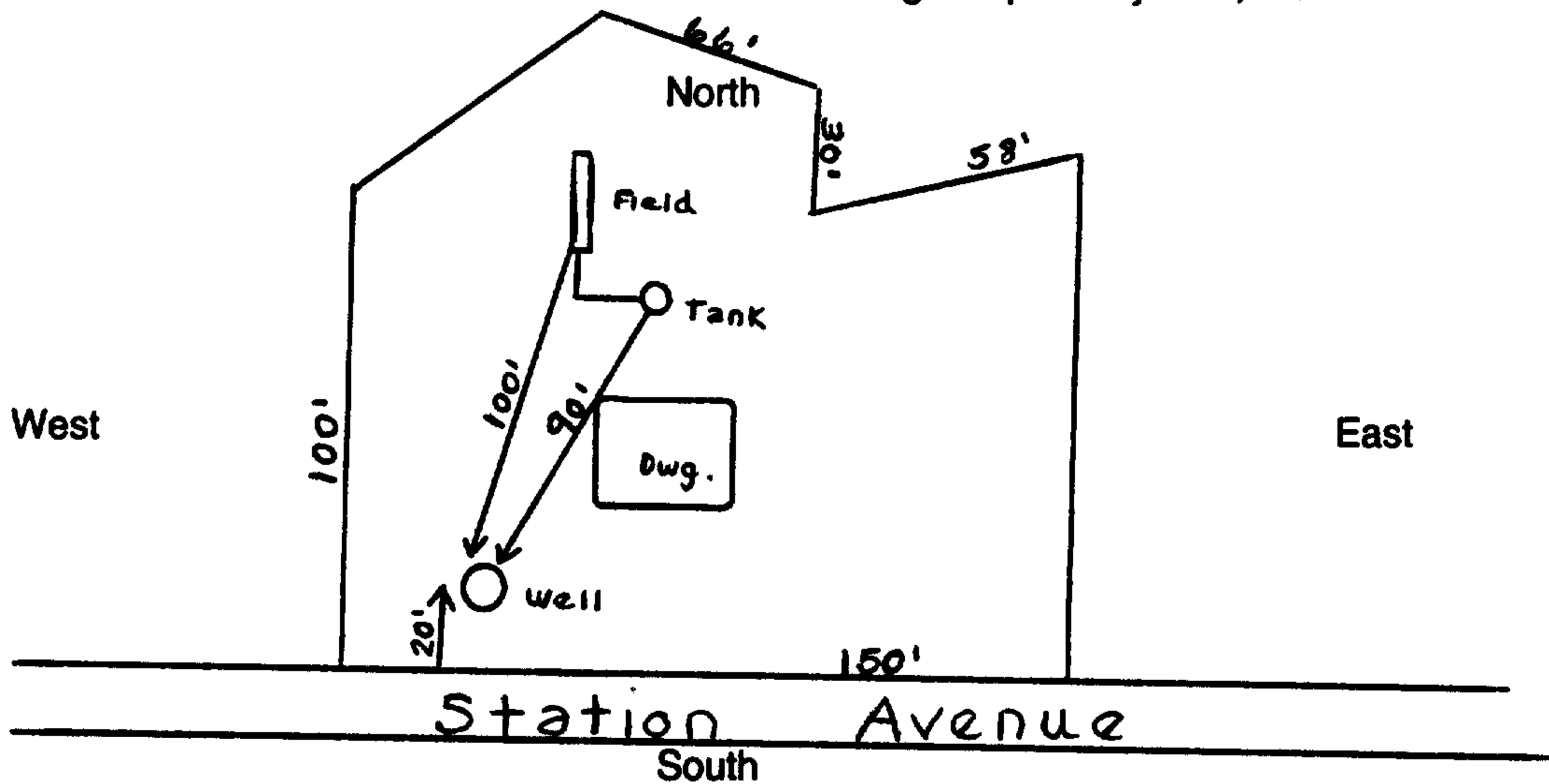
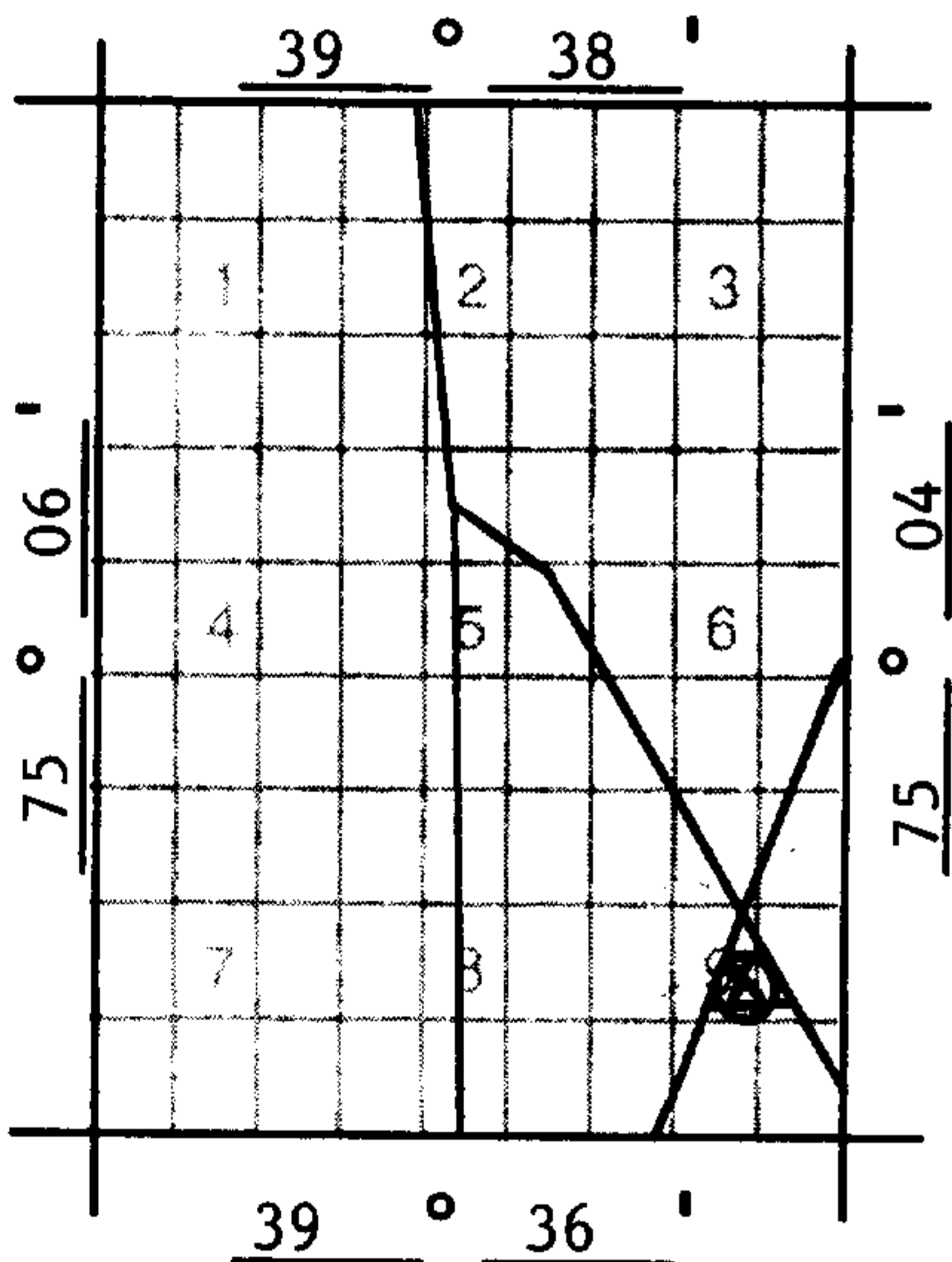
Address

LOCATION OF WELL

Table with location details: Lot # 6, Block # 4106, Municipality Franklin, County Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- Checklist of conditions: DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq. PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq. CLOSED LOOP GEOTHERMAL - see attached conditions. OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well. INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq. IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq. REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment. IRRIGATION PURPOSES ONLY TEST PURPOSES ONLY PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met. MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s). The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp: WELL PERMIT APPROVED N.J.D.E.P. APR 18 1996 BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 4-12-96 Signature of Driller [Signature] Registration No. M0804

Signature of Owner [Signature] for S. Trout

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White



SERIAL # 84787

DWR-133 (12/94)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON, NJ

Mail to NJDEP Bureau of Water Allocation CN 426 Trenton, NJ 08625-0426

PERMIT TO DRILL WELL 05

Permit No. 31-49360

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.796

Owner LARRY HOLDCRAFT Address 134 HALE AVE. FRANKLINVILLE, N.J. 08922

Driller JAMES C. MESIAJO Address 1506 W. MAIN ST. WILLIAMSTOWN, N.J. 08094

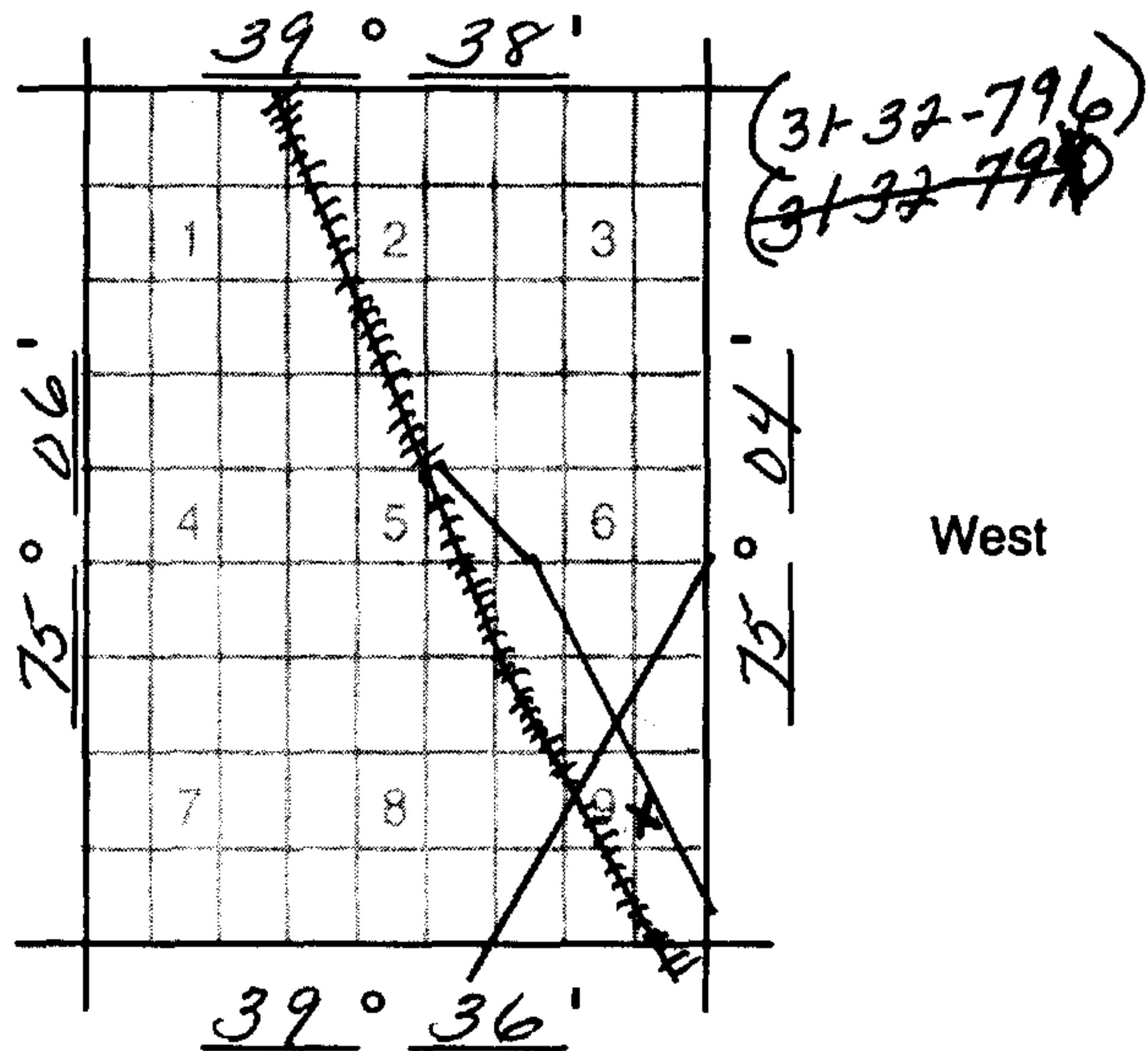
Name of Facility Address - SAME -

Table with well specifications: Diameter of Well (4 inches), Proposed Depth of Well (140 feet), Proposed Capacity of Pump (12 GPM), Method of Drilling (ROTARY), Use of Well (DOMESTIC - REPLACEMENT), Drinking Water Supply? (yes)

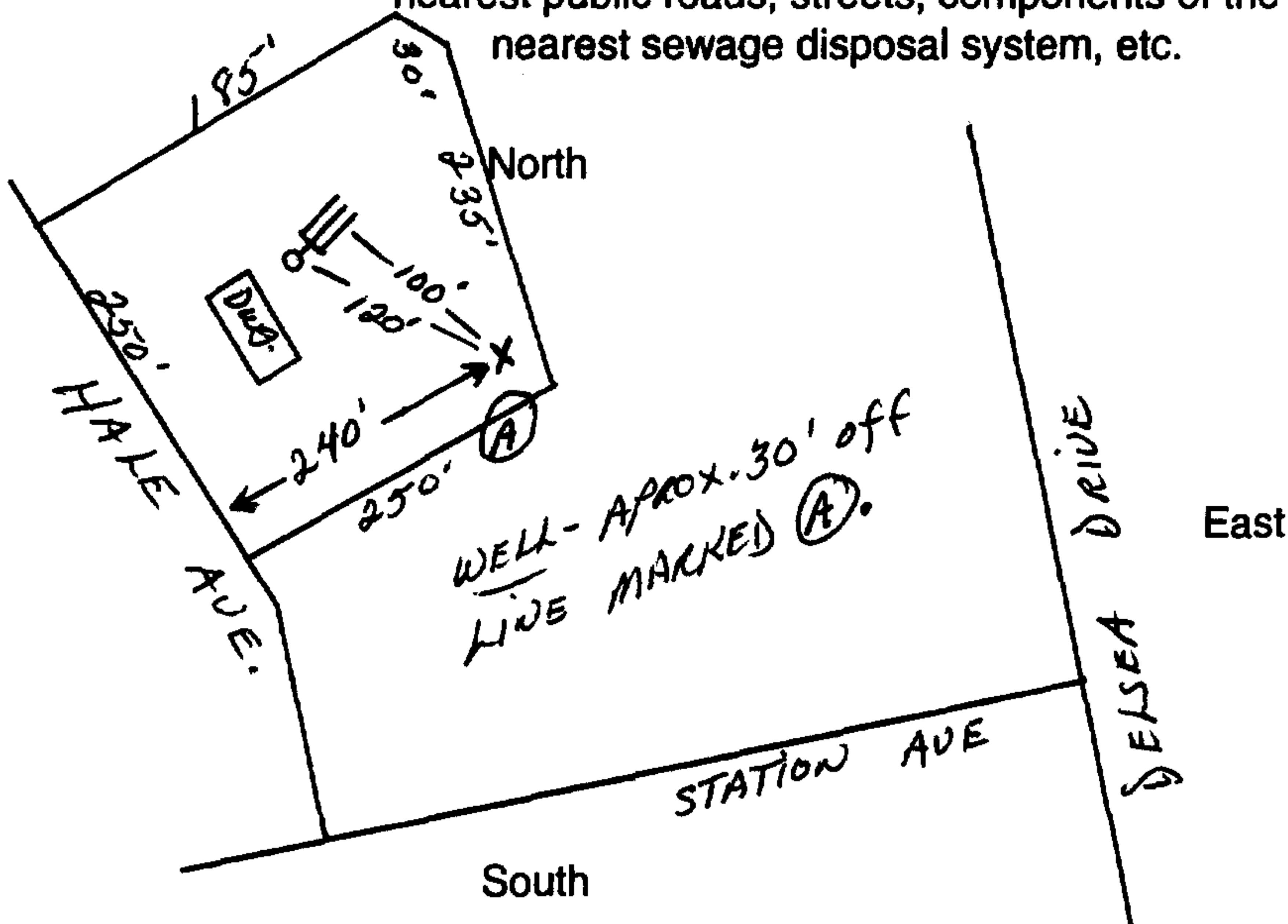
LOCATION OF WELL

Table with location info: Lot # 9, Block # 4109, Municipality FRANKLIN TWP, County GLOUCESTER

State Atlas Map No. 31



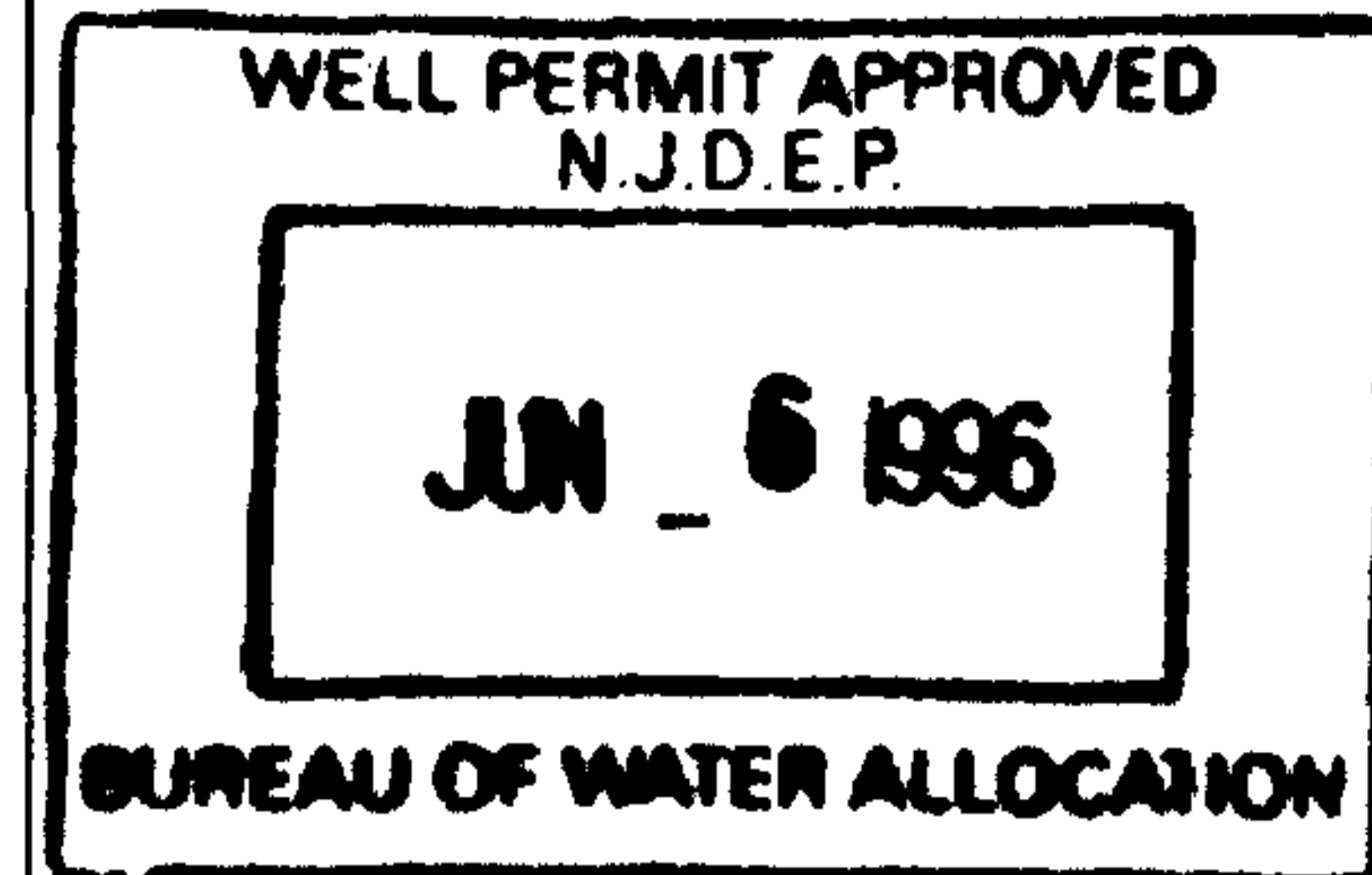
Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- Checklist of conditions: DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells, PUBLIC COMMUNITY Water Supply Wells, DOMESTIC IRRIGATION SUPPLY, OPEN LOOP GEOTHERMAL HEAT PUMP WELLS, INDUSTRIAL SUPPLY, REPLACEMENT WELL, IRRIGATION PURPOSES ONLY, TEST PURPOSES ONLY, PINELANDS, MINIMUM distance requirements, The well shall be equipped with a totalizing flow meter.

This Space for Approval Stamp



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 6-6-96

Signature of Driller James C. Mesiano License No. 1078

Signature of Owner J.C.M. for Larry Holdcraft

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White



SERIAL # 00541

DWR-133  
(4/96)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

05

Permit No. 3149890

Mail to  
NJDEP  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.797

Owner FRANCE PELIKAN  
Address 30 WILLETTE AVE.  
FRANKLINVILLE, N.J. 08322  
Name of Facility THE PELIKAN'S  
Address 30 WILLETTE AVE.  
FRANKLINVILLE, N.J. 08322

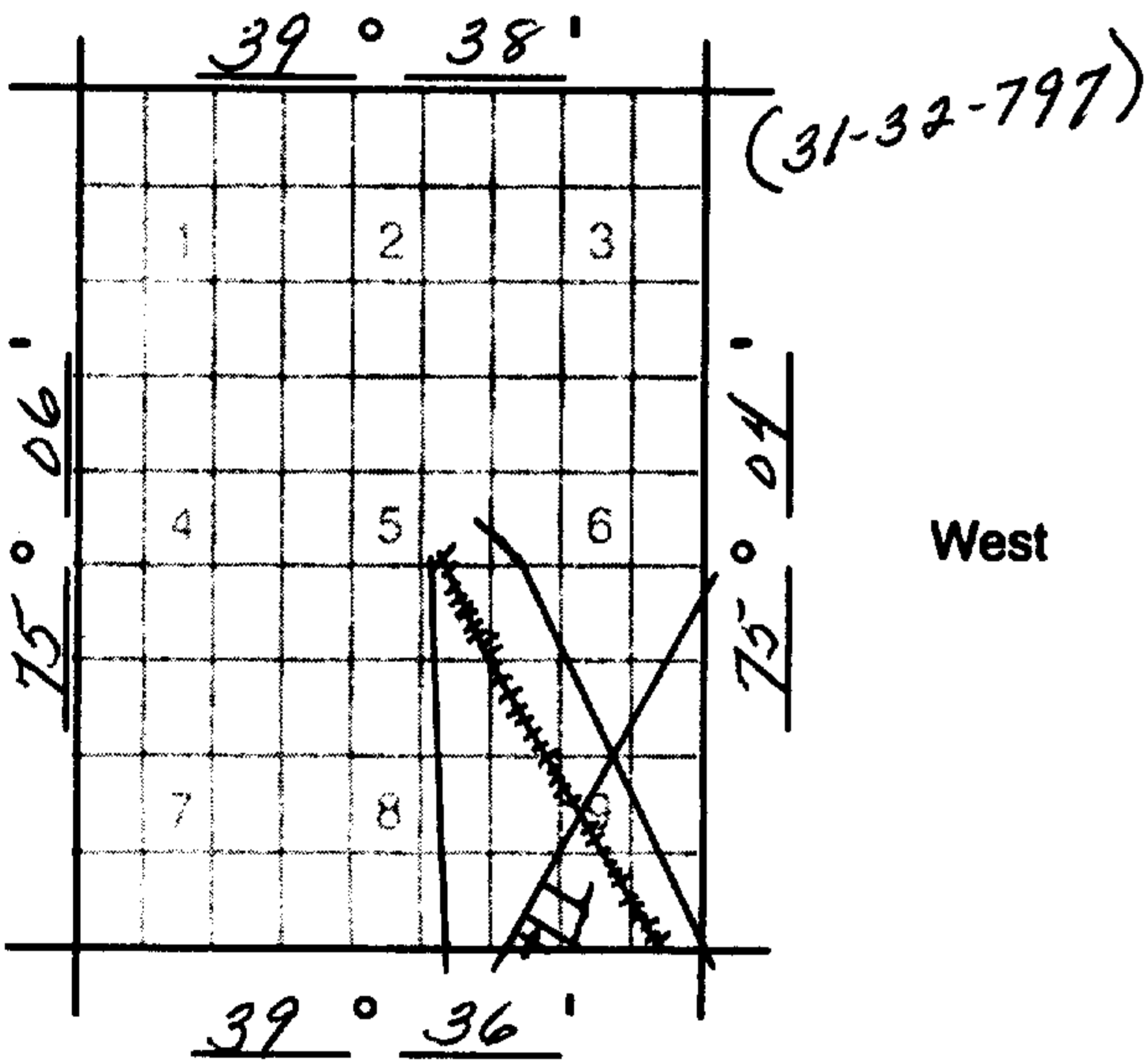
Driller JAMES C. MESIANO  
Address 1506 N. MAIN ST.  
WILLIAMSTOWN, N.J. 08094

Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	ROTARY
Use of Well (See Reverse)	DOMESTIC - REPLACEMENT		
Drinking Water Supply?	XX	Yes (see # 6 on reverse)	no

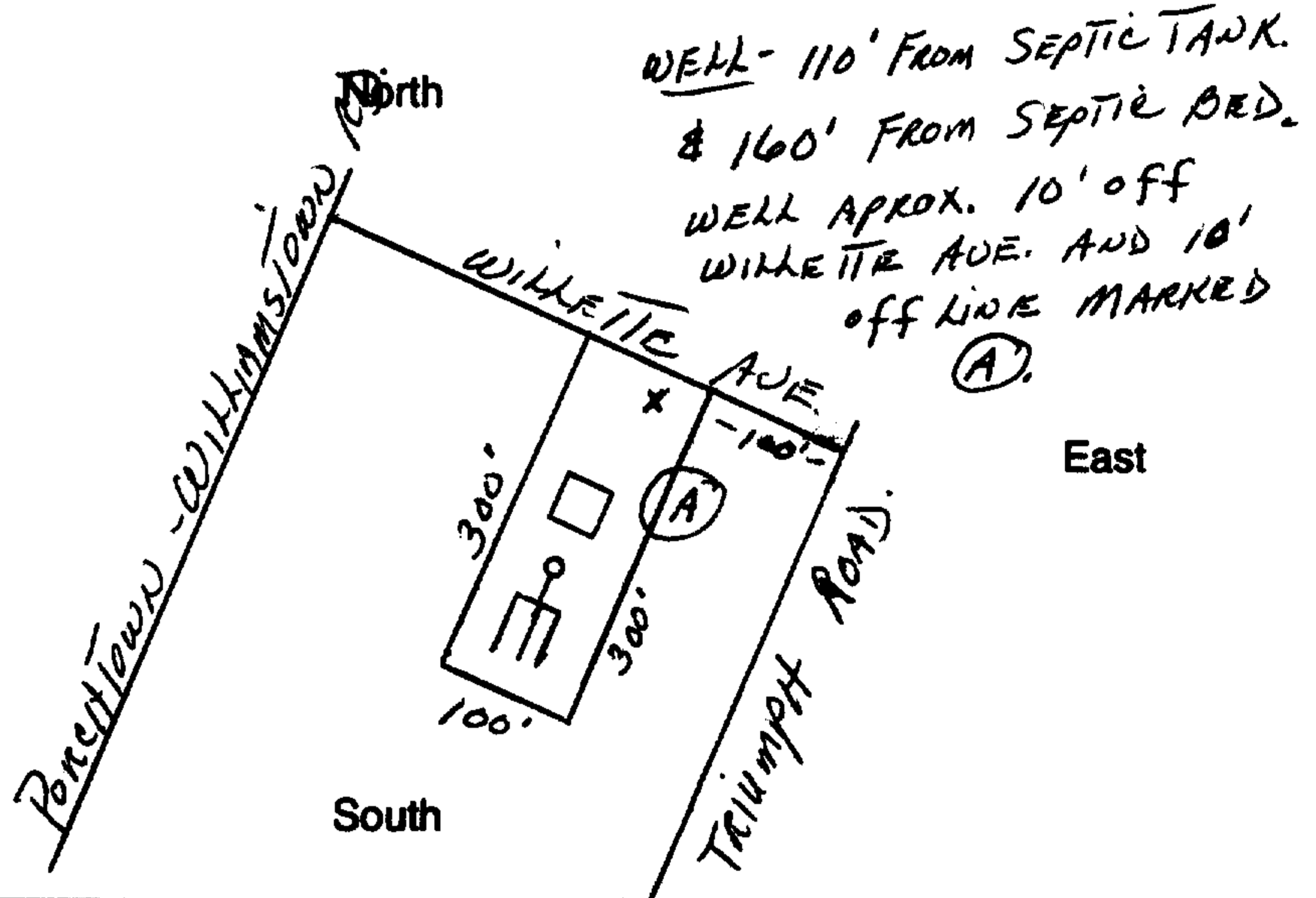
LOCATION OF WELL

Lot #	Block #	Municipality	County
3	4101	FRANKLIN TWP	GLouceSTER

State Atlas Map No. 31



Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- CLOSED LOOP GEOTHERMAL - see attached conditions.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

WELL PERMIT APPROVED  
N.J.D.E.P.

AUG 29 1996

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 8-16-96  
Signature of Driller James C. Mesiano Registration No. 1078  
Signature of Owner J.C.M. /o France Pelikan

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



SERIAL # 98551

DWR-133 (6/95)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON, NJ

Permit No. 3149894

Mail to NJDEP Bureau of Water Allocation CN 426 Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31-32-797

Owner MIKE GROCHOWSKI/GENERAL CONSTRUCTION - Driller JAMES C MESSIAHO
Address 30 WILLETTE AVE PELIKAN FRANKLINVILLE, N.J. 08322
Address 1506 N. MAIN ST WILLIAMSTOWN, N.J. 08094

Name of Facility MIKE GROCHOWSKI/GENERAL CO. ST.
Address WILLETTE AVE. FRANKLINVILLE, N.J. 08322

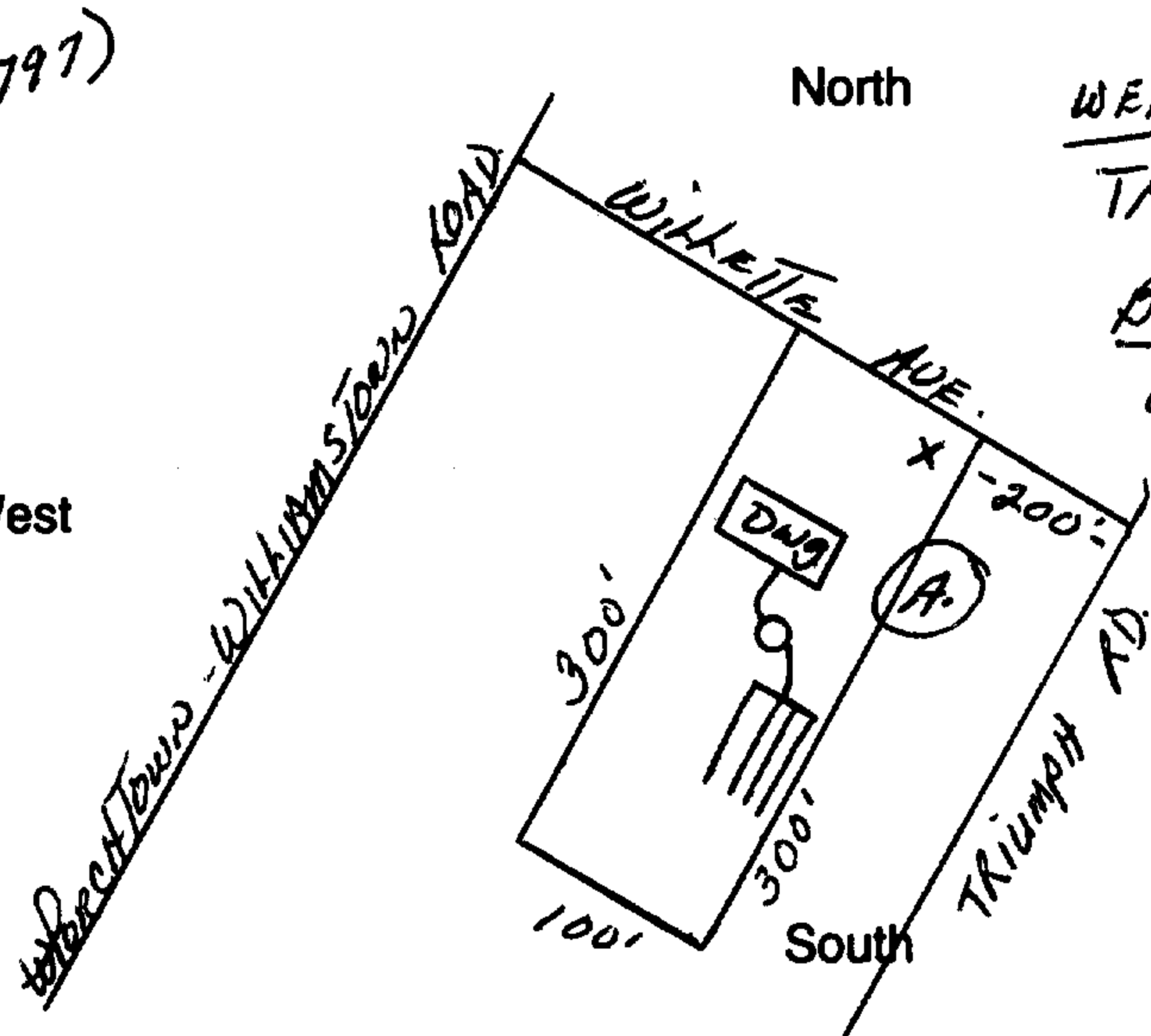
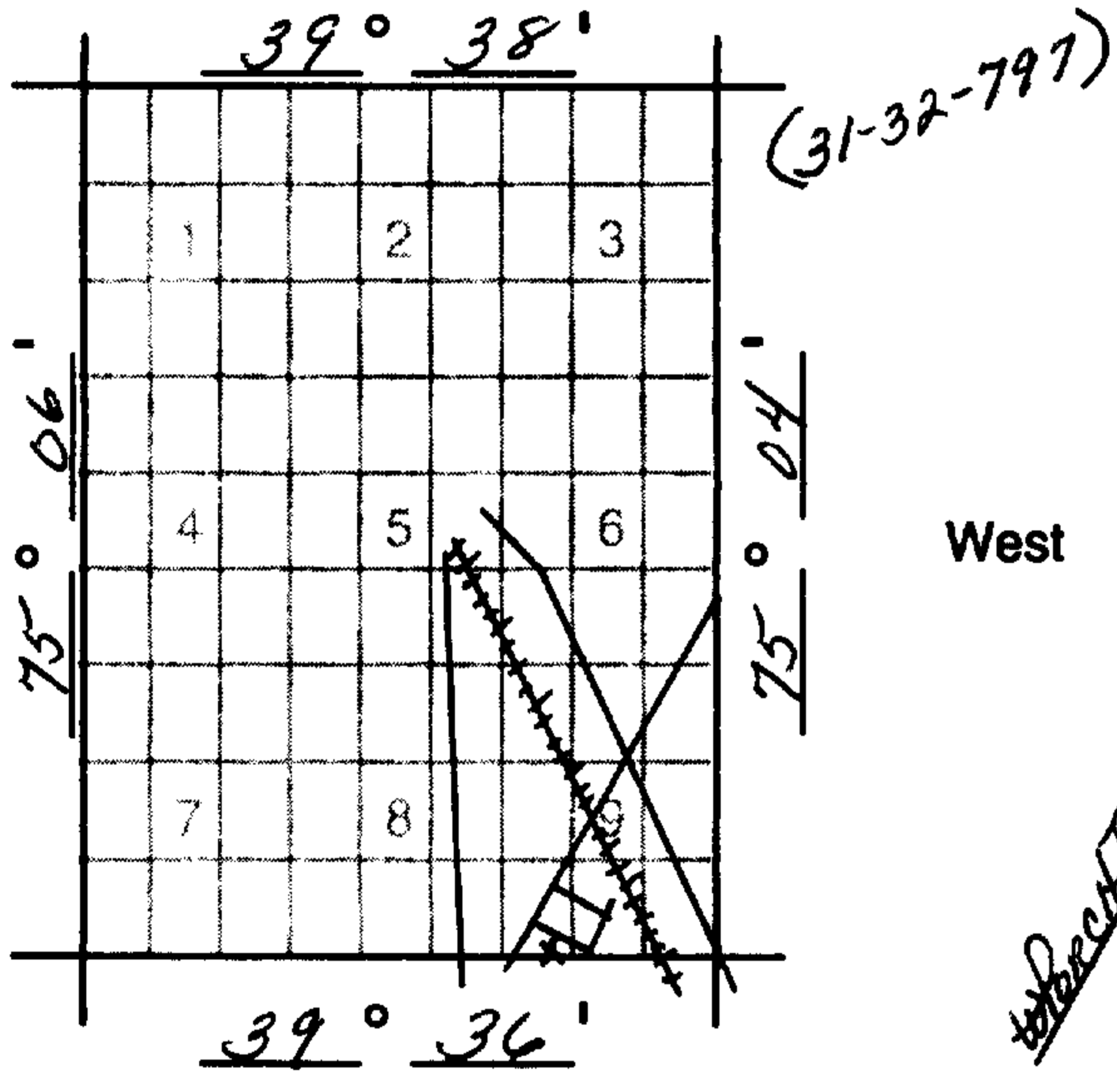
Table with 2 columns: Proposed Well Info and Proposed Depth of Well. Includes Diameter of Well (4 inches), Proposed Capacity of Pump (12 GPM), Use of Well (DOMESTIC - NEW), and Drinking Water Supply? (yes).

LOCATION OF WELL

Table with 4 columns: Lot # (9.01), Block # (4101), Municipality (FRANKLIN TWP), County (GLOUCESTER)

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



WELL - 70' FROM SEPTIC TANK & 85' FROM SEPTIC BED. WELL APPROX. 10' OFF WILLETTE AVE & 10' OFF LINE MARKED. (A.)

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
CLOSED LOOP GEOTHERMAL - see attached conditions.
OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
IRRIGATION PURPOSES ONLY TEST PURPOSES ONLY
PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp
WELL PERMIT APPROVED NJDEP
SEP 3 1996
BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 8-16-96 Signature of Driller James C Messiaho Registration No. 1078
Signature of Owner J.C.M. Co Elvance Pelikan

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

9/3/96

DATE ASSIGNED

3149896

PERMIT NUMBER

A. THE WELL SHALL BE PROVIDED WITH A CASING TO A DEPTH OF 50 FEET OR MORE, AND SAID CASING SHALL EXTEND TO AND BE SEALED INTO A CONFINING LAYER SEPARATING THE AQUIFER FROM THE STRATUM OF SOIL USED FOR SEWAGE DISPOSAL.

OR

B. THE WELL SHALL BE CONSTRUCTED WITH A MINIMUM OF 65 FEET OF CASING, AND BE PRESSURE GROUTED FROM THE BOTTOM OF THE CASING TO THE SURFACE.



SERIAL # 00545

DWR-133  
(4/96)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Mail to  
NJDEP  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625-0426

5

Permit No. 3150024

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31 . 32 . 7 97

Owner MIKE GROCHOWSKI/GENERAL CONSTRUCTION/PELIKAN Driller JAMES C. MESIANO

Address 30 WILLETTE AVE. Address 1506 N. MAIN ST.  
FRANKLINVILLE, N.J. 08322 WILLIAMSTOWN, N.J. 08094

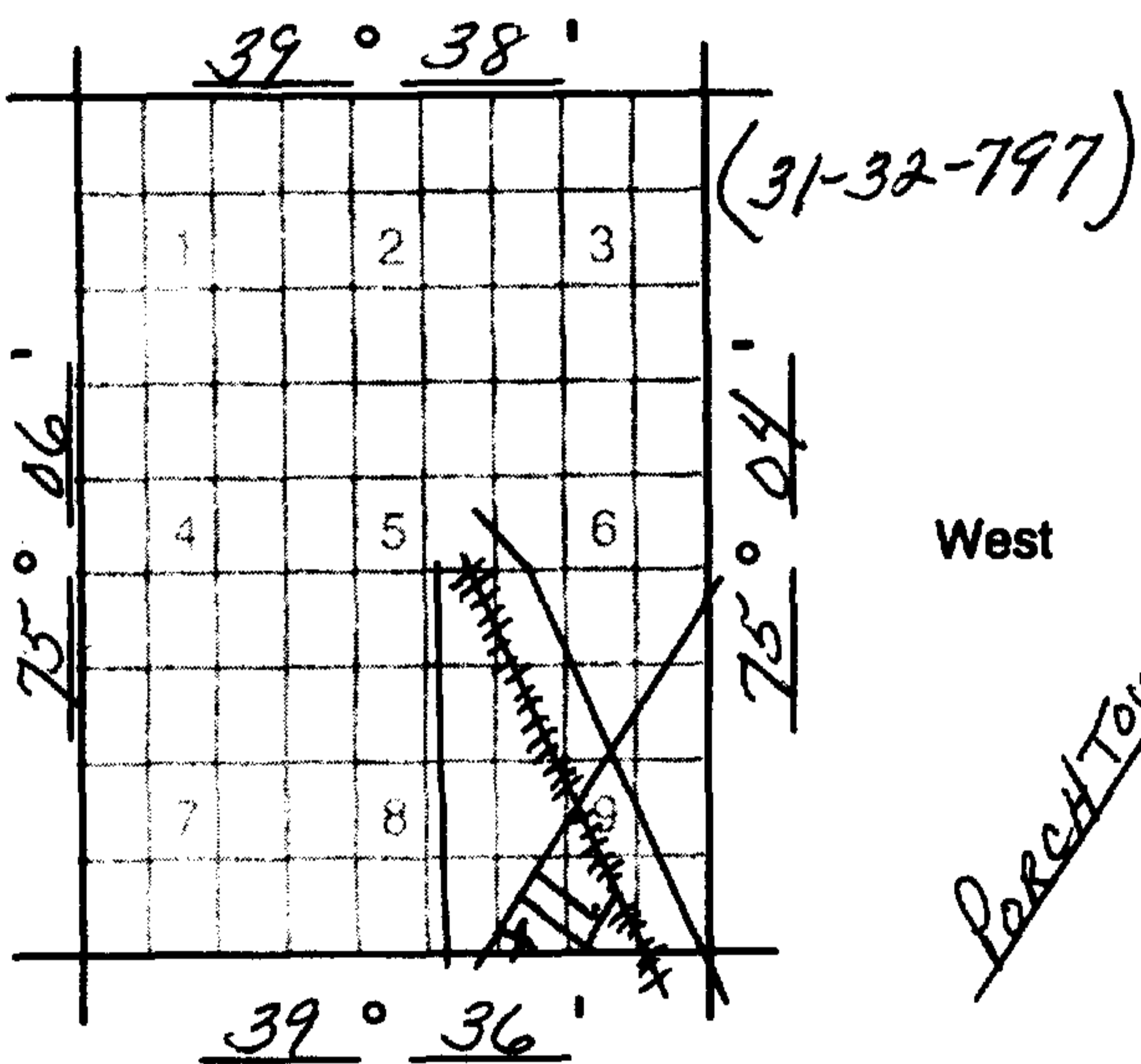
Name of Facility GROCHOWSKI/GENERAL CONST./PELIKAN  
Address WILLETTE AVE.  
FRANKLINVILLE, N.J. 08322

Diameter of Well	4 inches	Proposed Depth of Well	110 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	ROTARY
Use of Well (See Reverse)	DOMESTIC - NEW		
Drinking Water Supply?	XXX	(see # 6 on reverse)	no

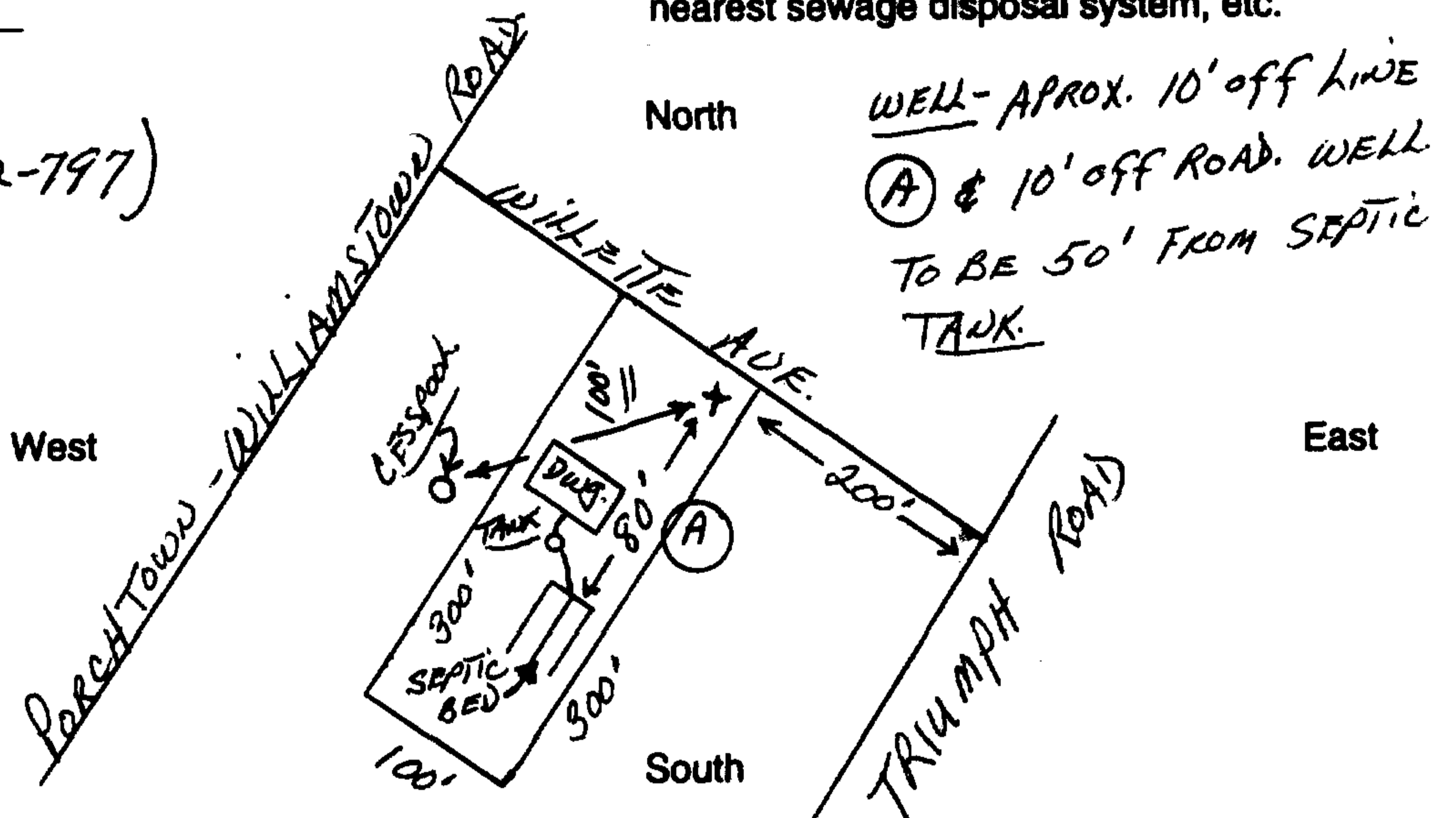
LOCATION OF WELL

Lot #	Block #	Municipality	County
3.01	4101	FRANKLIN TWP.	GLOUCESTER

State Atlas Map No. 31



Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- CLOSED LOOP GEOTHERMAL - see attached conditions.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

WELL PERMIT APPROVED  
N.J.D.E.P.

SEP 20 1996

BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 9-17-96 Signature of Driller James C. Mesiano Registration No. 1078  
Signature of Owner J.C.M. /o/ Florence Pelikan

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



SERIAL # 04461

5

DWR-133  
(4/96)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Permit No. 3150413

Mail to  
NJDEP  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31 . 32 . 797

Owner Robert Pelikan

Driller Uni-Tech Drilling Co., Inc.

Address 30 Willette Avenue

Address 601 West Main Street

Franklinville, NJ 08322

Malaga, NJ 08328

Name of Facility Same

Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic		
Drinking Water Supply?	yes	yes (see # 6 on reverse)	no

Address Willette Avenue

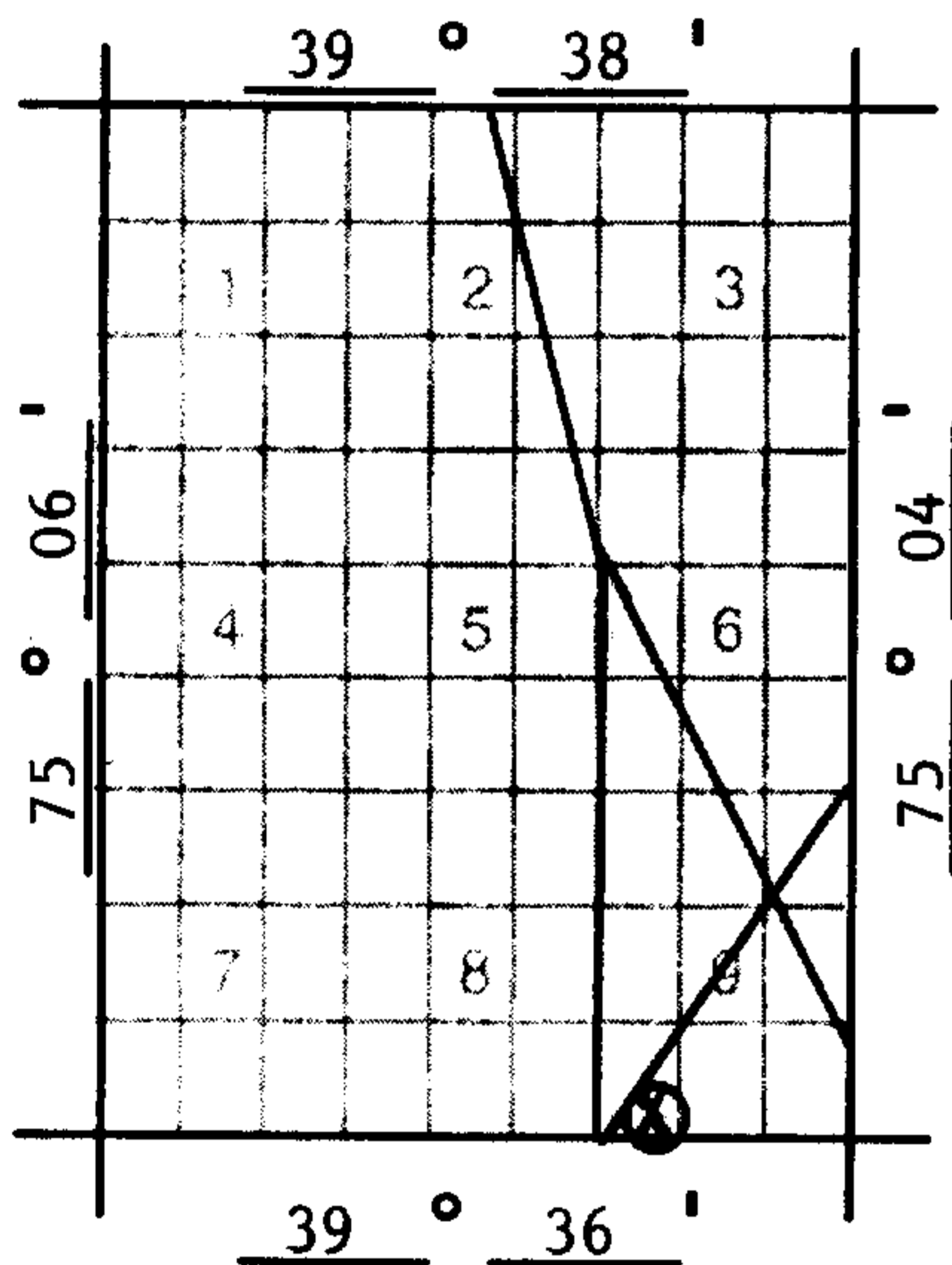
Franklin Twp., NJ.

LOCATION OF WELL

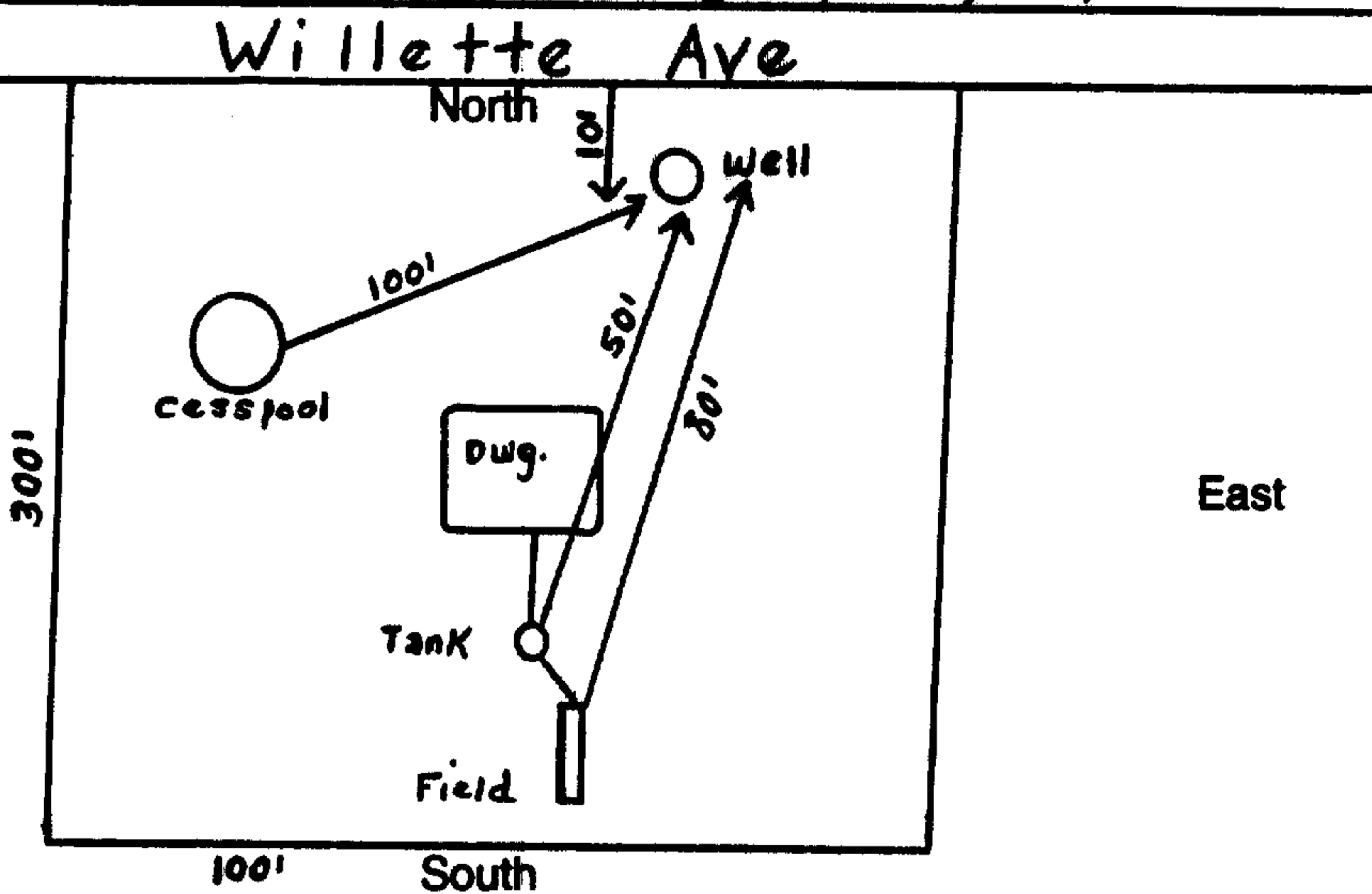
Lot #	Block #	Municipality	County
3.01	4101	Franklin	Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



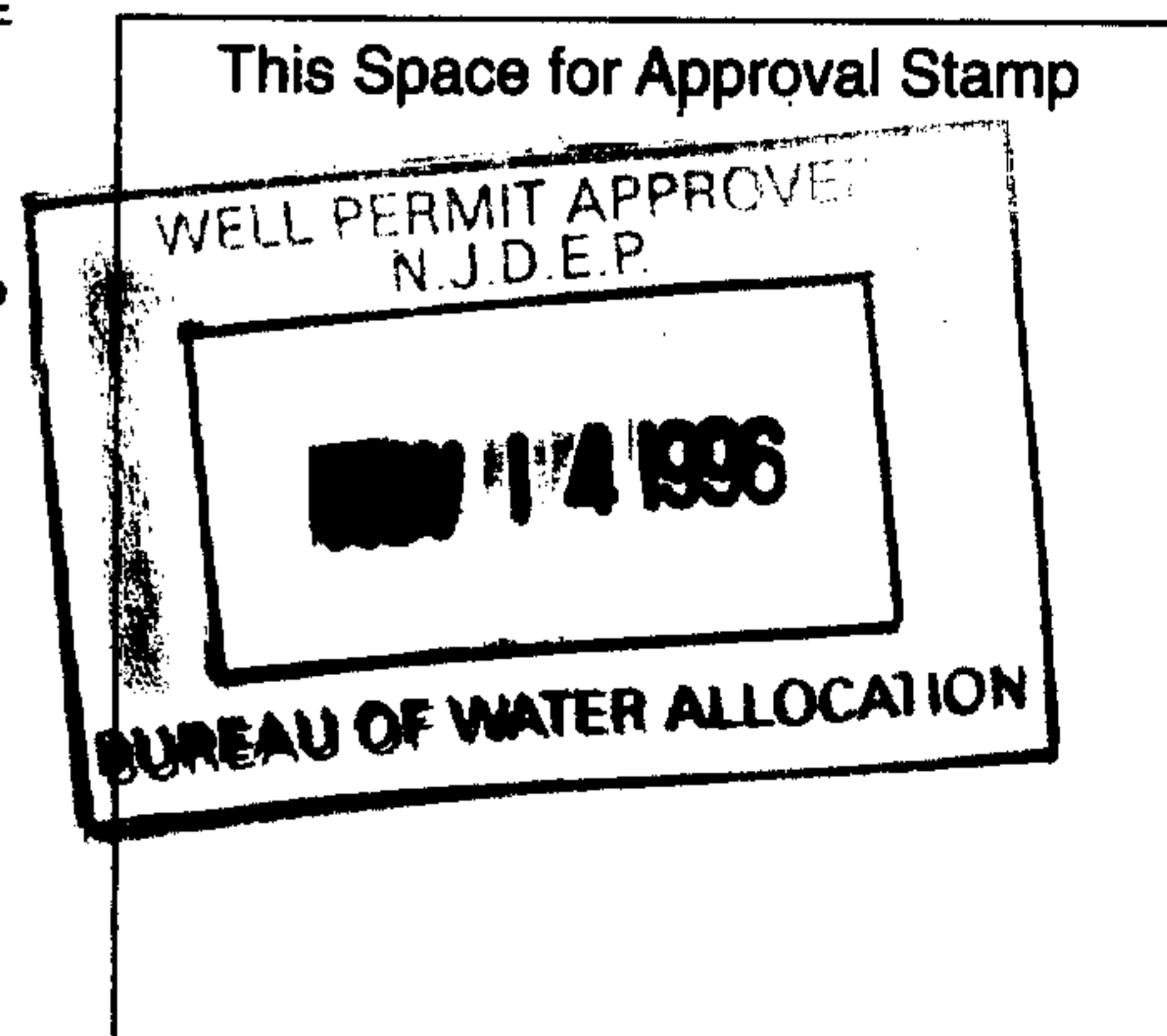
West



East

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
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- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 11-8-96

Signature of Driller [Signature] Registration No. M0804

Signature of Owner Janine Morris for R. Pelikan

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White

DATE ASSIGNED

3150413  
PERMIT NUMBER

A. THE WELL SHALL BE PROVIDED WITH A CASING TO A DEPTH OF 50 FEET OR MORE, AND SAID CASING SHALL EXTEND TO AND BE SEALED INTO A CONFINING LAYER SEPARATING THE AQUIFER FROM THE STRATUM OF SOIL USED FOR SEWAGE DISPOSAL.

OR

B. THE WELL SHALL BE CONSTRUCTED WITH A MINIMUM OF 70 FEET OF CASING, AND BE PRESSURE GROUTED FROM THE BOTTOM OF THE CASING TO THE SURFACE.



SERIAL # 04462

DWR-133  
(4/96)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

5

Permit No. 3150414

Mail to  
NJDEP  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31 .32 .797

Owner Robert Pelikan

Driller Uni-Tech Drilling Co., Inc.

Address 30 Willette Avenue  
Franklinville, NJ 08322

Address 602 West Main Street  
Malaga, NJ 08328

Name of Facility Same

Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic Replacement		
Drinking Water Supply?	yes	yes (see # 6 on reverse)	no

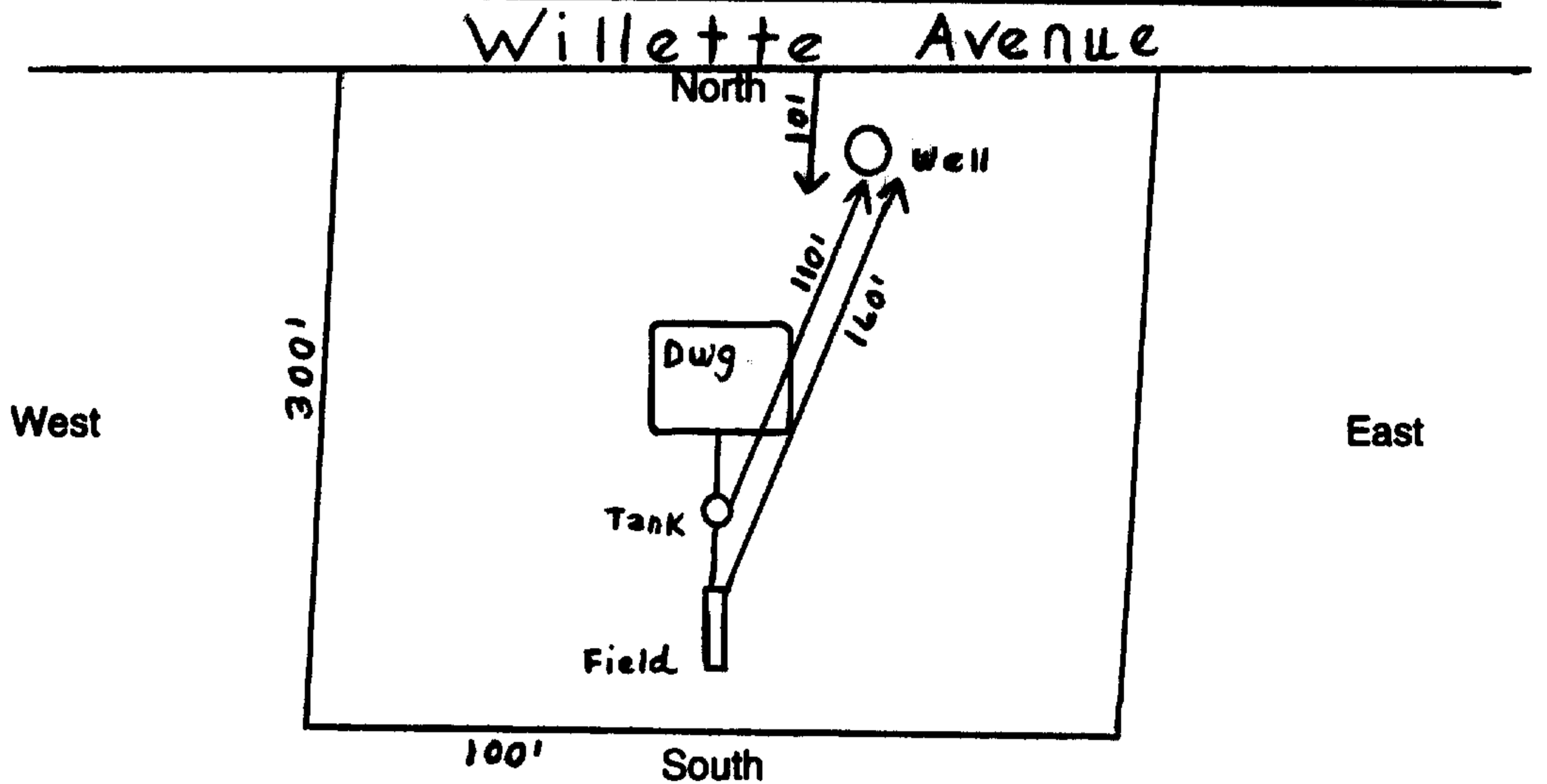
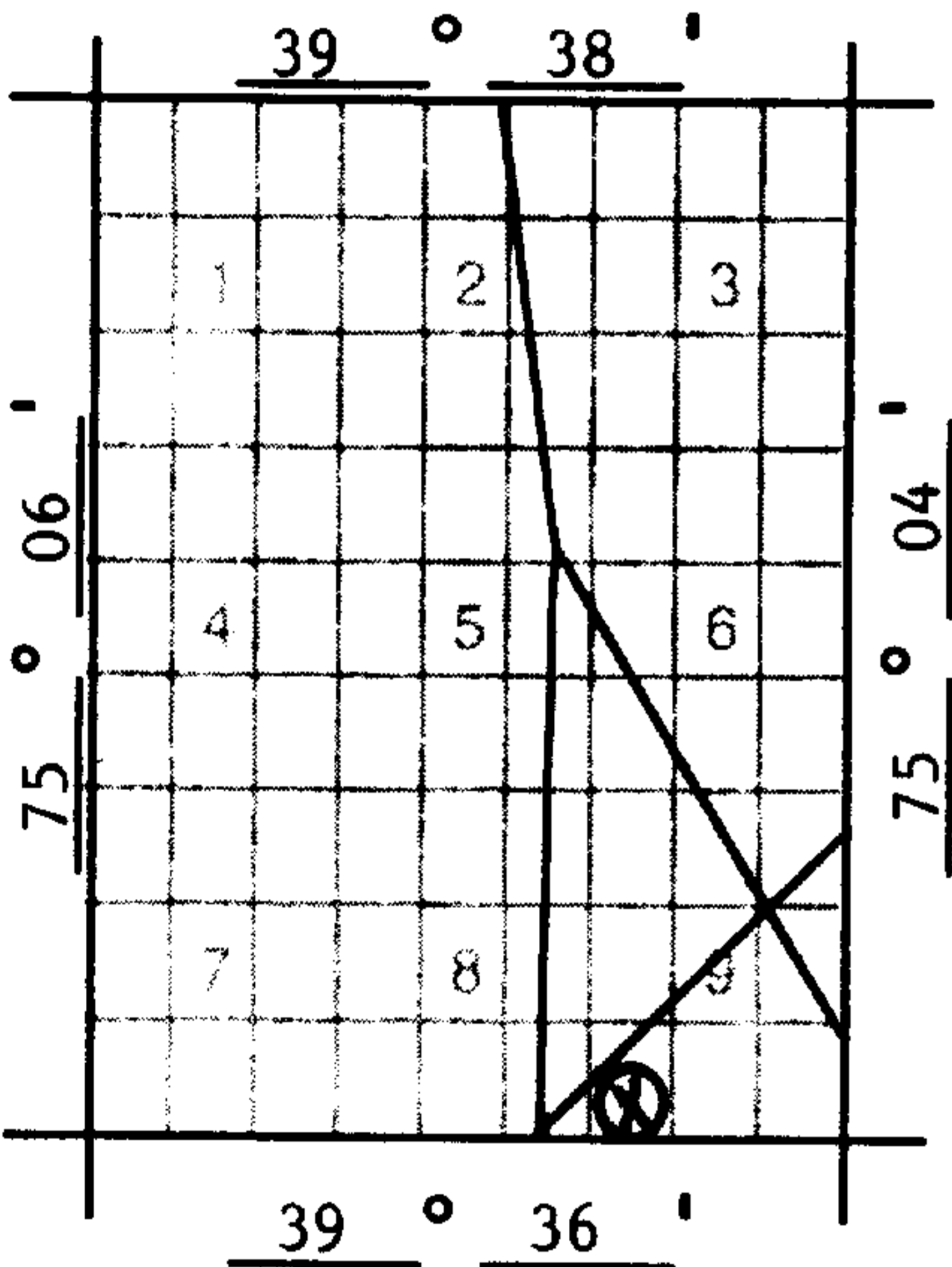
Address

LOCATION OF WELL

Lot #	Block #	Municipality	County
3	4101	Franklin	Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
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- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
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- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

WELL PERMIT APPROVED  
N.J.D.E.P.

**NOV 14 1996**

BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 11-8-96 Signature of Driller [Signature] Registration No. M0804

Signature of Owner Janine Morris for R. Pelikan

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White



SERIAL # 00557

DWR-133  
(4/96)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Mail to  
NJDEP  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL 05

Permit No. 3151247  
4-21-97

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31-32-796

Owner ED GROCHOWSKI EXCAVATING, INC.

Driller JAMES C. MESIANO

Address P.O. Box 383  
FRANKLINVILLE, N.J. 08322

Address 1506 N. MAIN ST.  
WILLIAMSTOWN, N.J. 08094

Name of Facility ED GROCHOWSKI

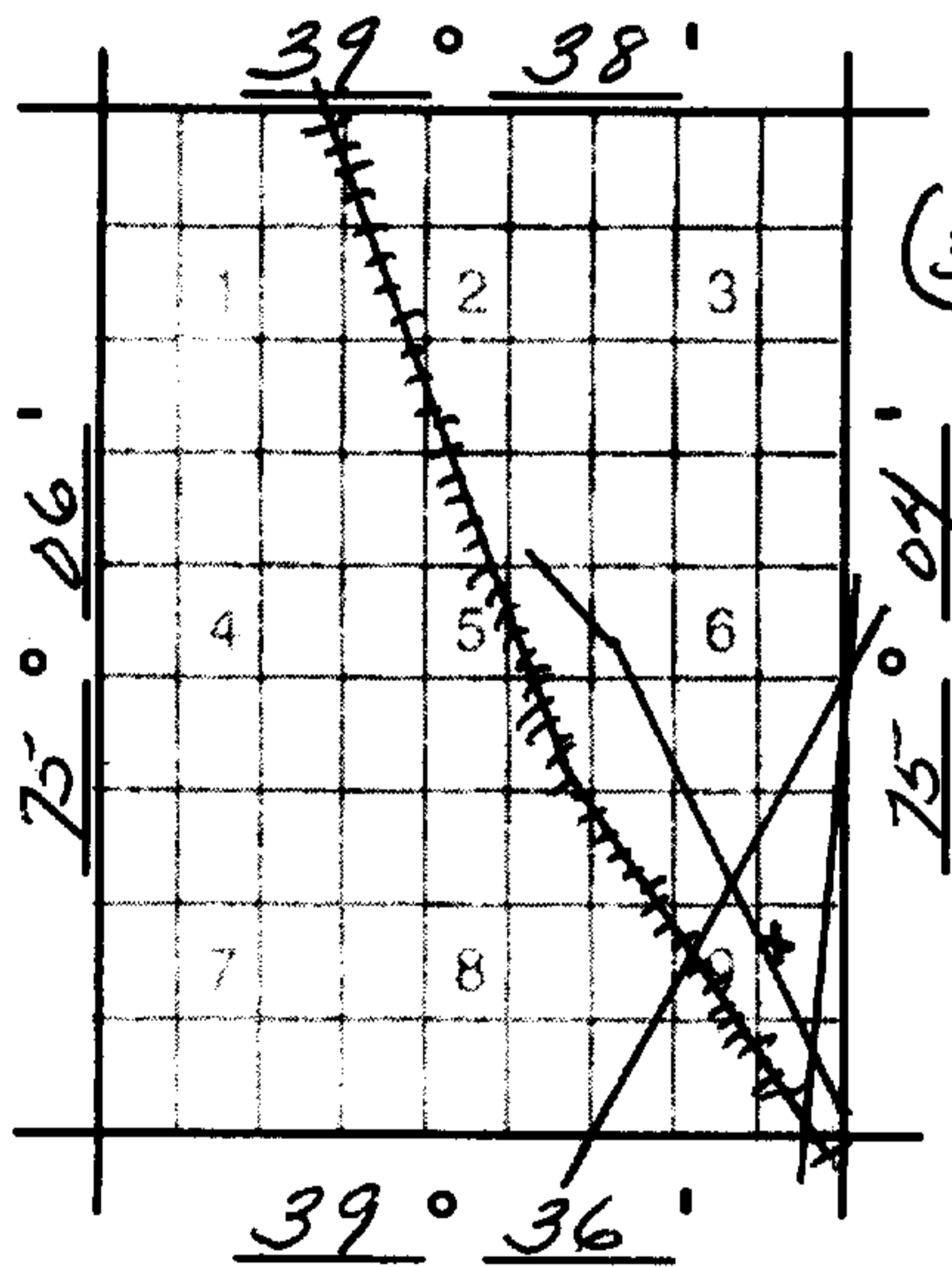
Address Delsea Dr.  
FRANKLINVILLE, N.J. 08322

Diameter of Well	4 Inches	Proposed Depth of Well	130 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	ROTARY
Use of Well (See Reverse)	REPLACEMENT / DOMESTIC		
Drinking Water Supply?	XXX	Yes (see # 6 on reverse)	no

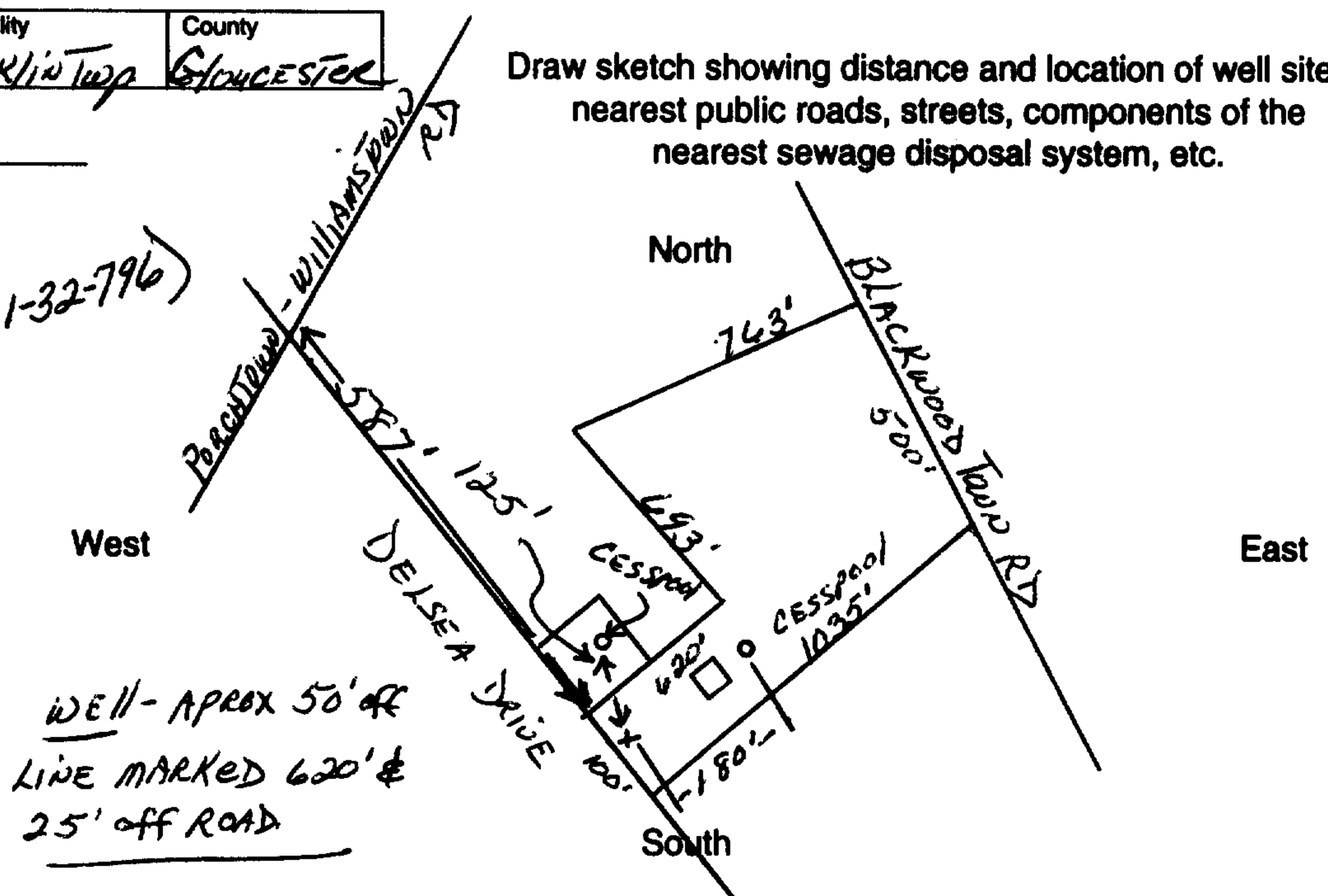
LOCATION OF WELL

Lot #	Block #	Municipality	County
8	4001	FRANKLIN TWP	GLoucester

State Atlas Map No. 31



Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



WELL - APPROX 50' OFF  
LINE MARKED 620' &  
25' OFF ROAD

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

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- MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

WELL PERMIT APPROVED  
N.J.D.E.P.

APR 21 1997

BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 4-21-97 Signature of Driller James C. Mesiano Registration No. J-1078

Signature of Owner J.C.M. Co Ed Grochowski

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

4/21/97  
DATE ASSIGNED

3151247  
PERMIT NUMBER

A. THE WELL SHALL BE PROVIDED WITH A CASING TO A DEPTH OF 50 FEET OR MORE, AND SAID CASING SHALL EXTEND TO AND BE SEALED INTO A CONFINING LAYER SEPARATING THE AQUIFER FROM THE STRATUM OF SOIL USED FOR SEWAGE DISPOSAL.

OR

B. THE WELL SHALL BE CONSTRUCTED WITH A MINIMUM OF 100' FEET OF CASING, AND BE PRESSURE GROUTED FROM THE BOTTOM OF THE CASING TO THE SURFACE.



SERIAL # 59483

DWR-133M (8/95)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

MONITORING WELL PERMIT

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Mail to  
NJDEP  
Bureau Water Allocation  
CN 426  
Trenton, NJ 08625-0426

05 Permit No. 3151401

COORD #: 31 32.8 77

HDR Co

Owner South Jersey Gas Co.  
Address 215 Cates Road  
McKee City, NJ 08234-5286

Driller M&R Soil Investigations, Inc.  
Address 907 Darmstadt Avenue  
Egg Harbor City, NJ 08215

Name of Facility IONA BLOCK VALVE  
Address Fries Mill/Blackwoodtown Rd (RT 655)  
Franklin Township, NJ

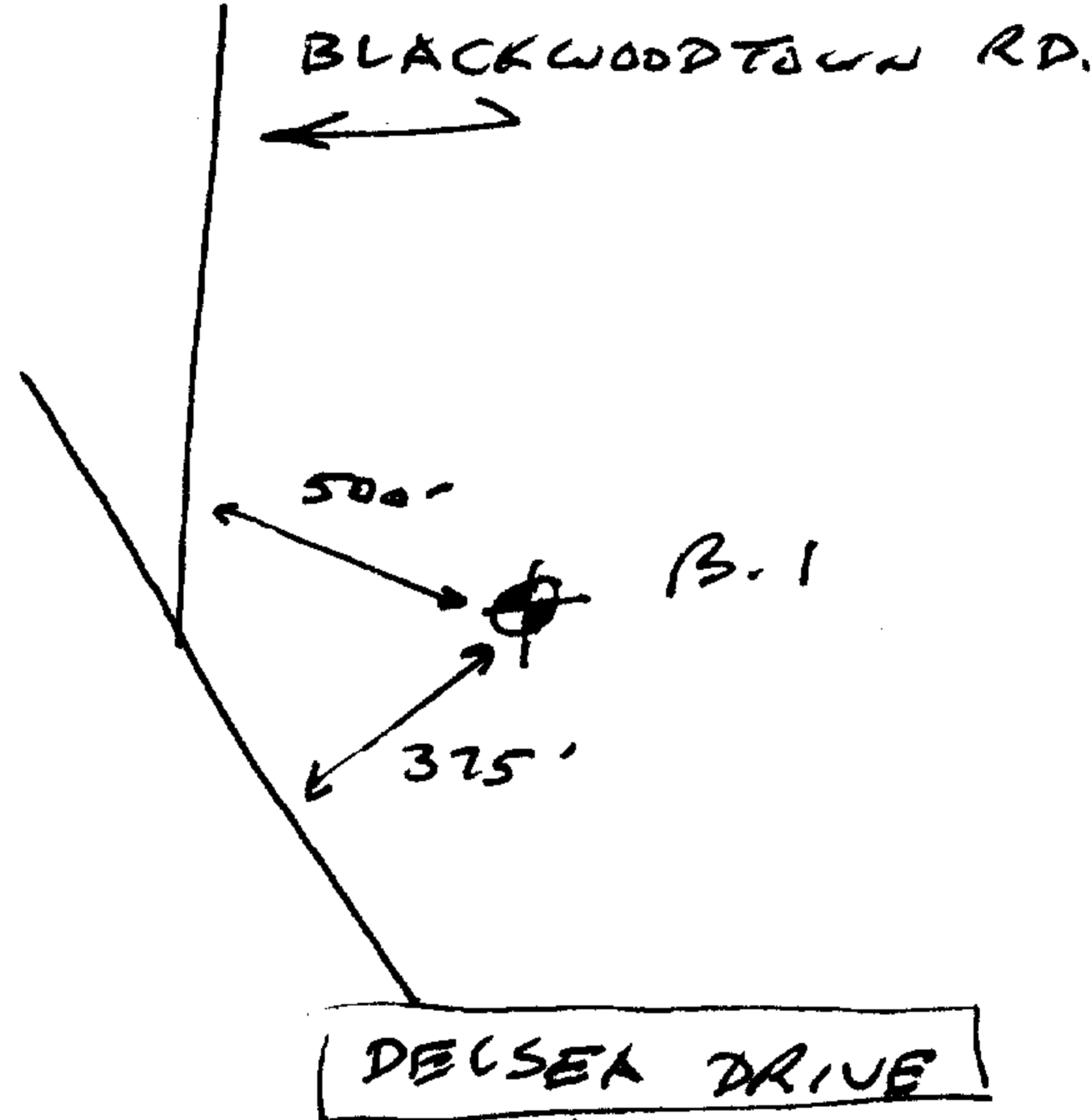
Diameter of Well(s)	6" Inches	Proposed Depth of Well(s)	200' Feet
# of Wells Applied for (max. 10)	1	Will pumping equipment be installed?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Type of Well (see reverse)	Cathodic Protection	If Yes, give pump capacity — cumulative GPM	

LOCATION OF WELL(S) (BORING)

Lot #	Block #	Municipality	County
9A	66	Franklin Twp.	Gloucester

Draw sketch of well(s) nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.

State Atlas Map No. 31



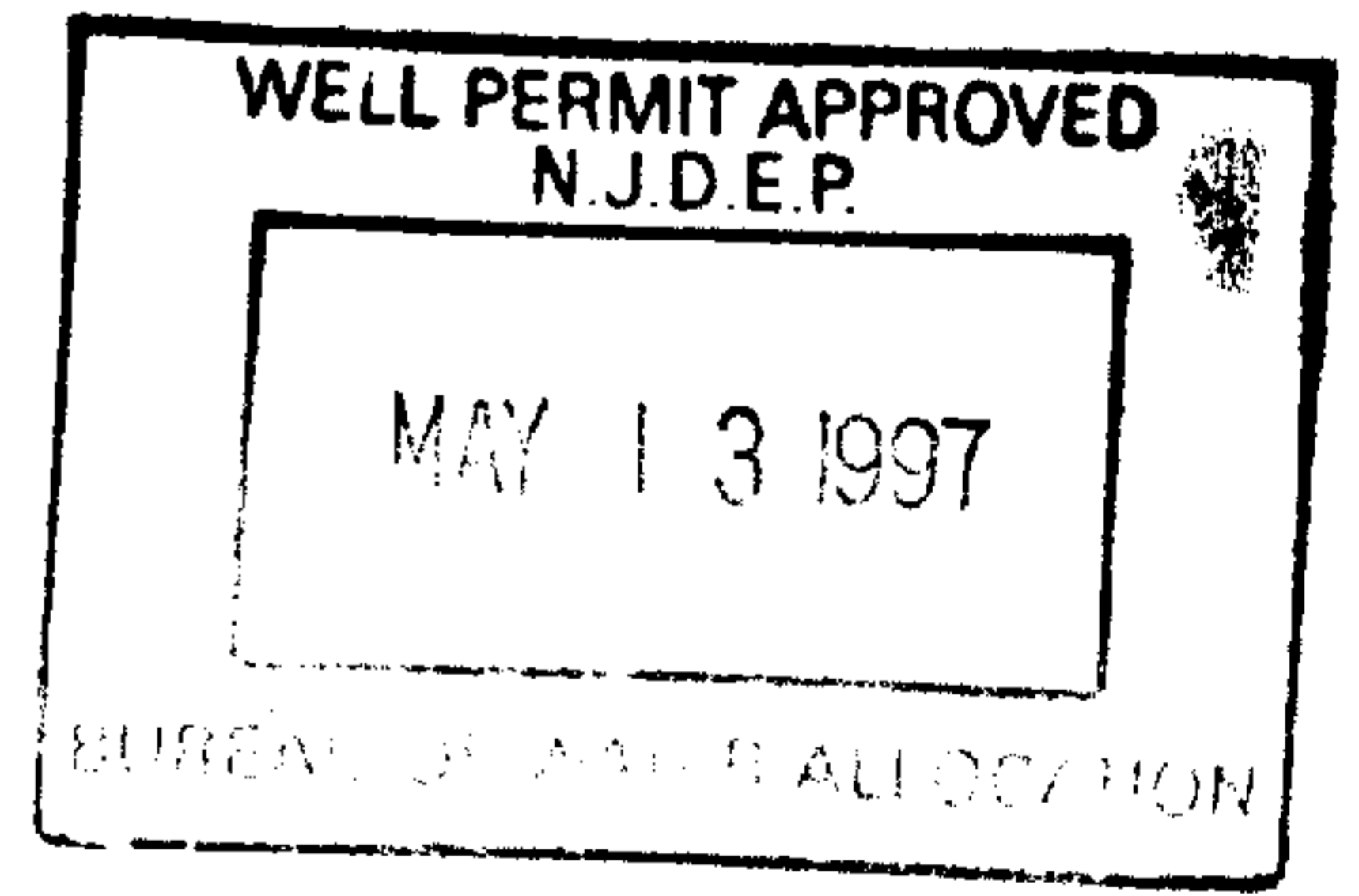
N ↑

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- Spill Site
- ISRA Site
- CERCLA (Superfund) Site
- RCRA Site
- Underground Storage Tank Site
- Operational Ground Water Permit Site
- Pretreatment and Residuals Site
- Water and Hazardous Waste Enforcement Case
- Water Supply Aquifer Test Observation Well
- Other (explain) ANODE-INSTALLATION BORING

CASE I.D. Number

This Space for Approval Stamp



FOR D.E.P. USE

- Issuance of this permit is subject to the conditions attached. (see next page)
- For monitoring purposes only
- The well(s) may not be completed with more than 25 feet of total screen or uncased borehole.

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT.

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 5-8-97 Signature of Driller [Signature] Registration No. J-1297  
Signature of Owner [Signature]

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White

WELPMT 047 2695



SERIAL # 10149

DWR-133  
(4/96)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Permit No. 3151552  
6-5-97

Mail to  
NJDEP  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31-32-797

Owner Elmeda Smith  
Address 18 Wilette Avenue  
Franklinville, NJ 08322

Driller Uni-Tech Drilling Co., Inc.  
Address 601 West Main Street  
Malaga, NJ 08328

Name of Facility Same  
Address \_\_\_\_\_

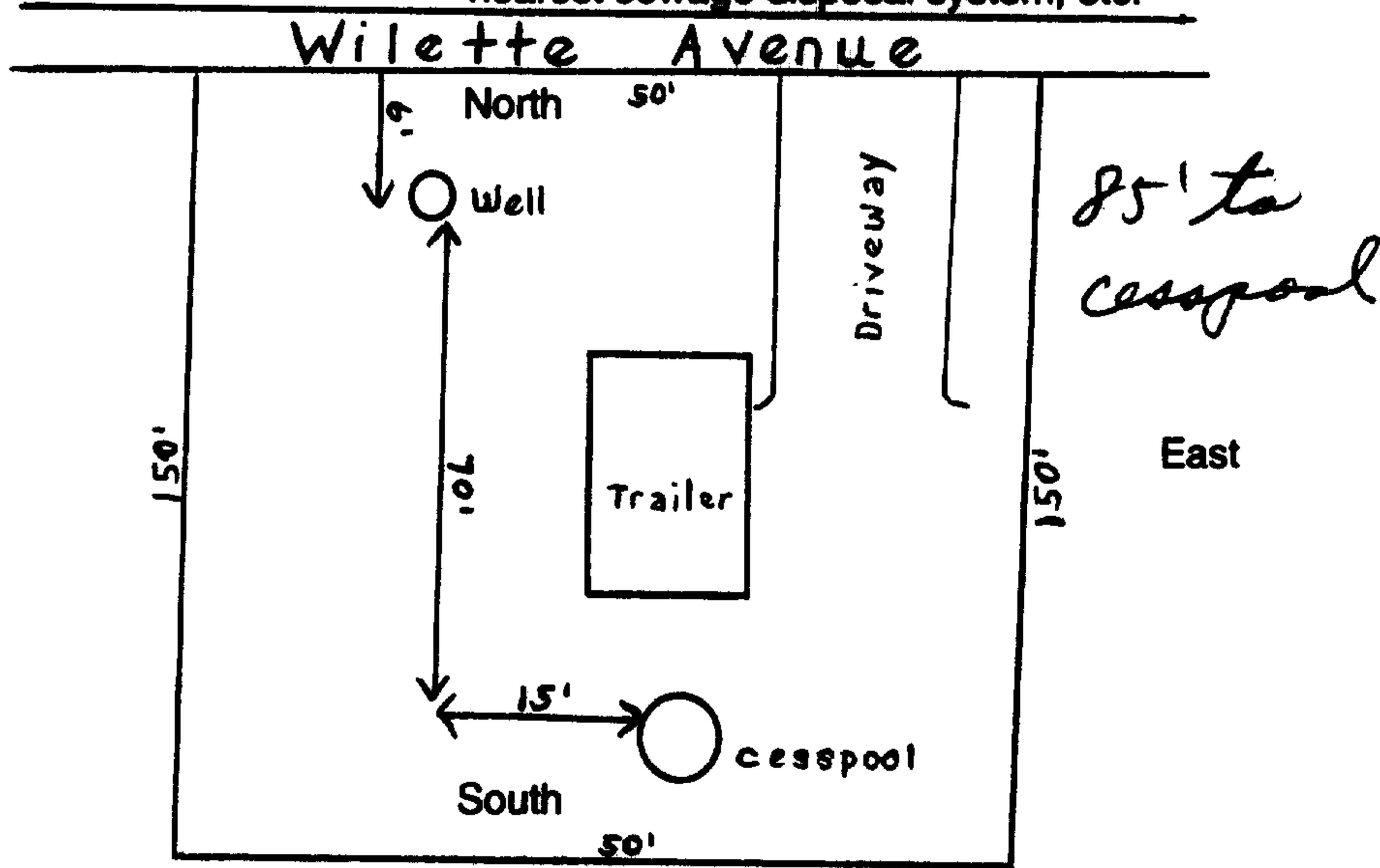
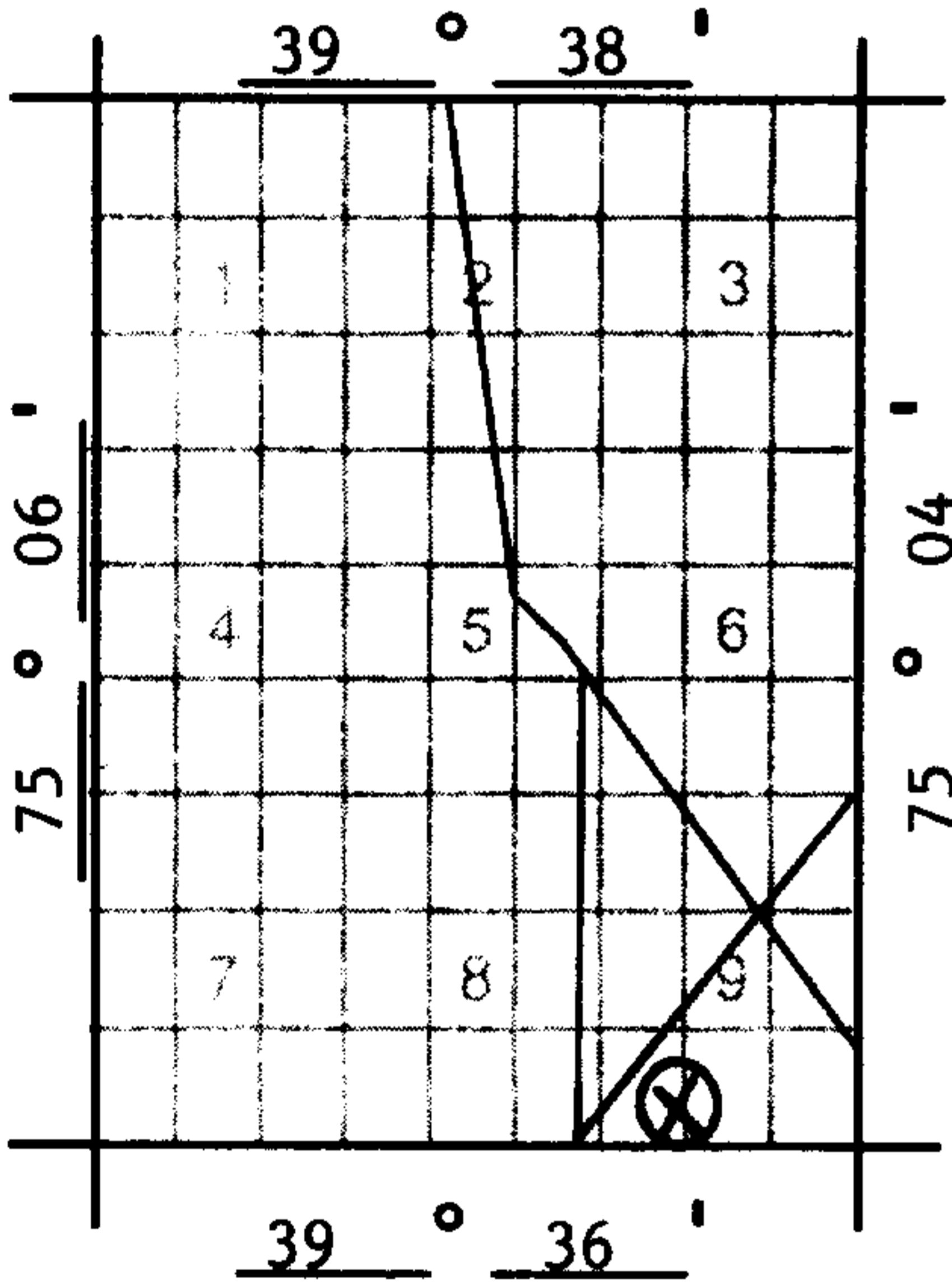
Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic Replacement		
Drinking Water Supply?	yes	yes (see # 6 on reverse)	no

LOCATION OF WELL

Lot #	Block #	Municipality	County
2	4101	Franklin	Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

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- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
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- MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

WELL PERMIT APPROVED  
N.J.D.E.P.

**JUN 5 1997**

BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 6-4-97 Signature of Driller [Signature] Registration No. M0804

Signature of Owner Janine Morris for E. Smith

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White





SERIAL # 10847

DWR-133  
(4/96)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

EMERGENCY WELL

Permit No. 31-51607  
6-12-97

Mail to  
NJDEP  
Bureau of Water Allocation  
CN 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

05

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31 . 32 . 795

Owner Dr. Samuel Porter

Driller Andersons Well Drilling

Address 1839 Delsea Drive

Address 143 Taunton Ave.

Franklinville NJ 08322

Atco NJ 08004

Name of Facility Same as above

Address \_\_\_\_\_

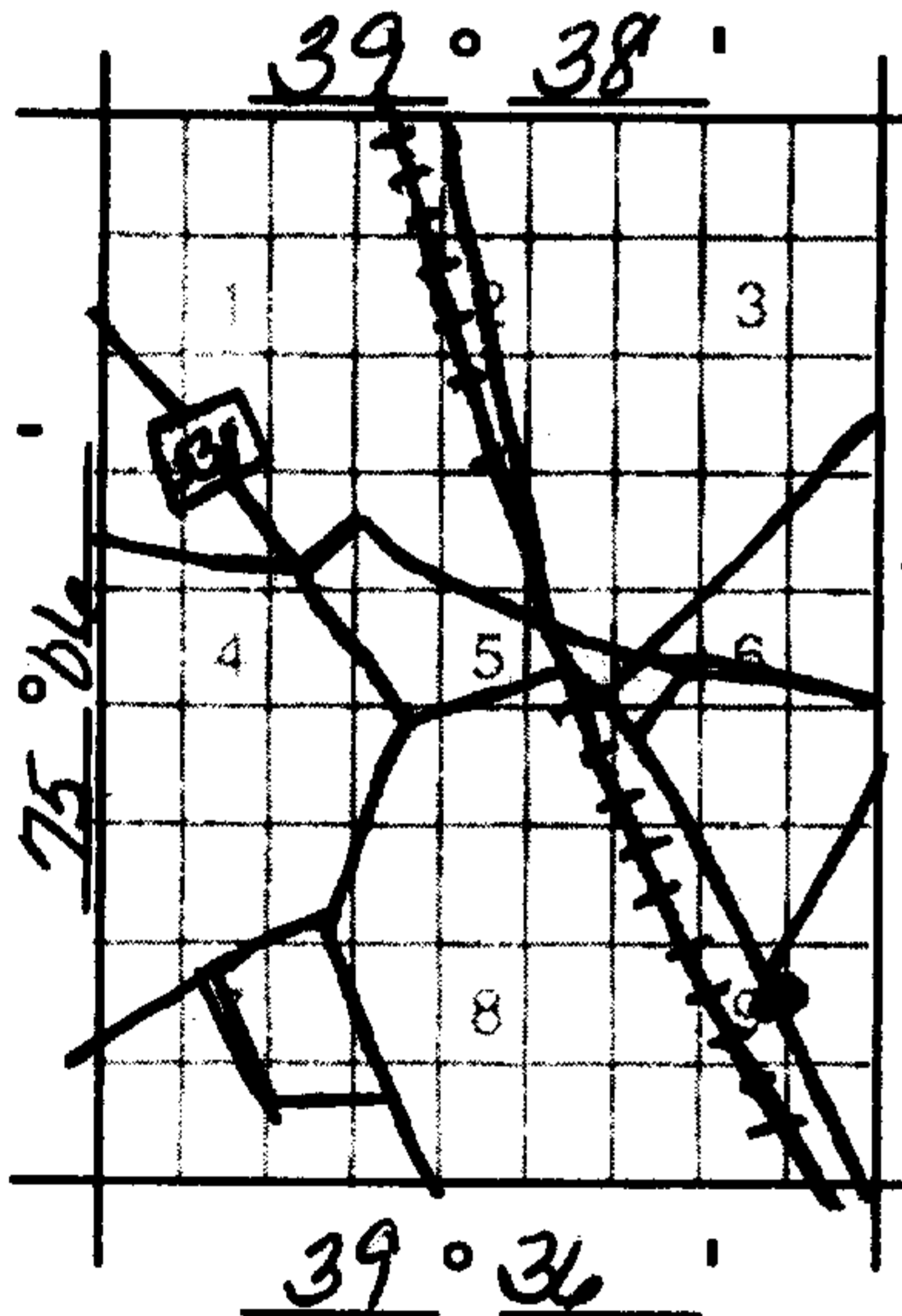
Diameter of Well	4"	Inches	Proposed Depth of Well	100'	Feet
Proposed Capacity of Pump	12	GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary	
Use of Well (See Reverse)	<del>PUBLIC - Non-Community</del> <u>NON PUBLIC</u>				
Drinking Water Supply?	XXXXXX			yes (see # 6 on reverse)	no

LOCATION OF WELL

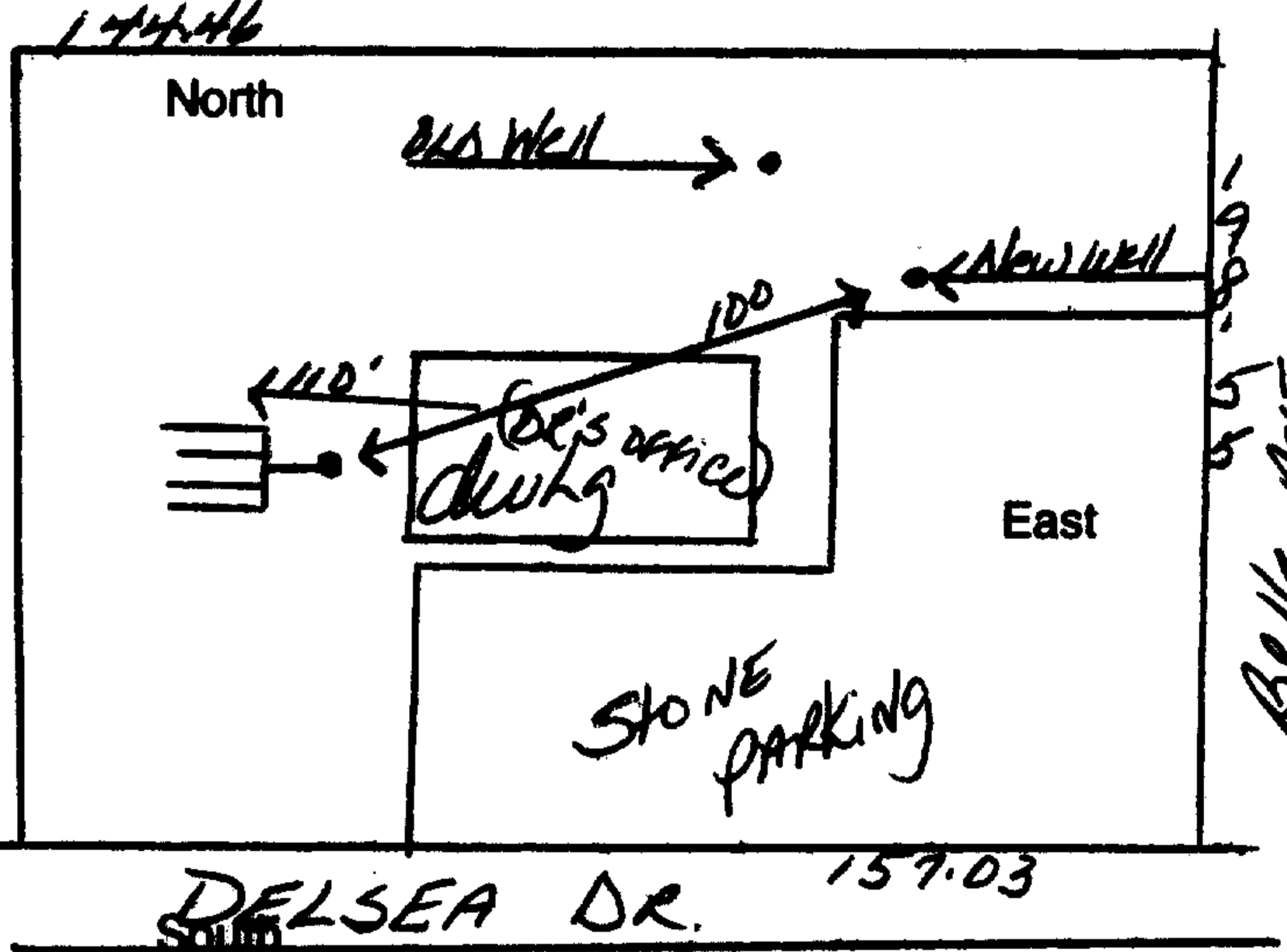
Lot #	Block #	Municipality	County
<u>2</u>	<u>4204</u>	<u>Franklin</u>	<u>Gloucester</u>

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31-32795



20' TO Bldg  
 100 TO TANK  
 110 TO Septic Field ?  
 120 TO Rd + prop. ?  
 NO OIL TANKS  
 West



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
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- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

**WELL PERMIT APPROVED**  
**N.J.D.E.P.**

JUN 12 1997

**BUREAU OF WATER ALLOCATION**

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 6-12-97 Signature of Driller Ronald K. Anderson Registration No. 980  
 Signature of Owner Dr. Samuel Porter

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



SERIAL # 13647

DWR-133 (6/97)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON, NJ

Mail to NJDEP Bureau of Water Allocation P.O. Box 426 Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

Permit No. 31-52011 8-6-97

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31-32-795

Property Owner Horace & Norma Hayes Address 85 Champion Road Franklinville, NJ 08322

Driller Uni-Tech Drilling Co., Inc. Address 601 West Main Street Malaga, NJ 08328

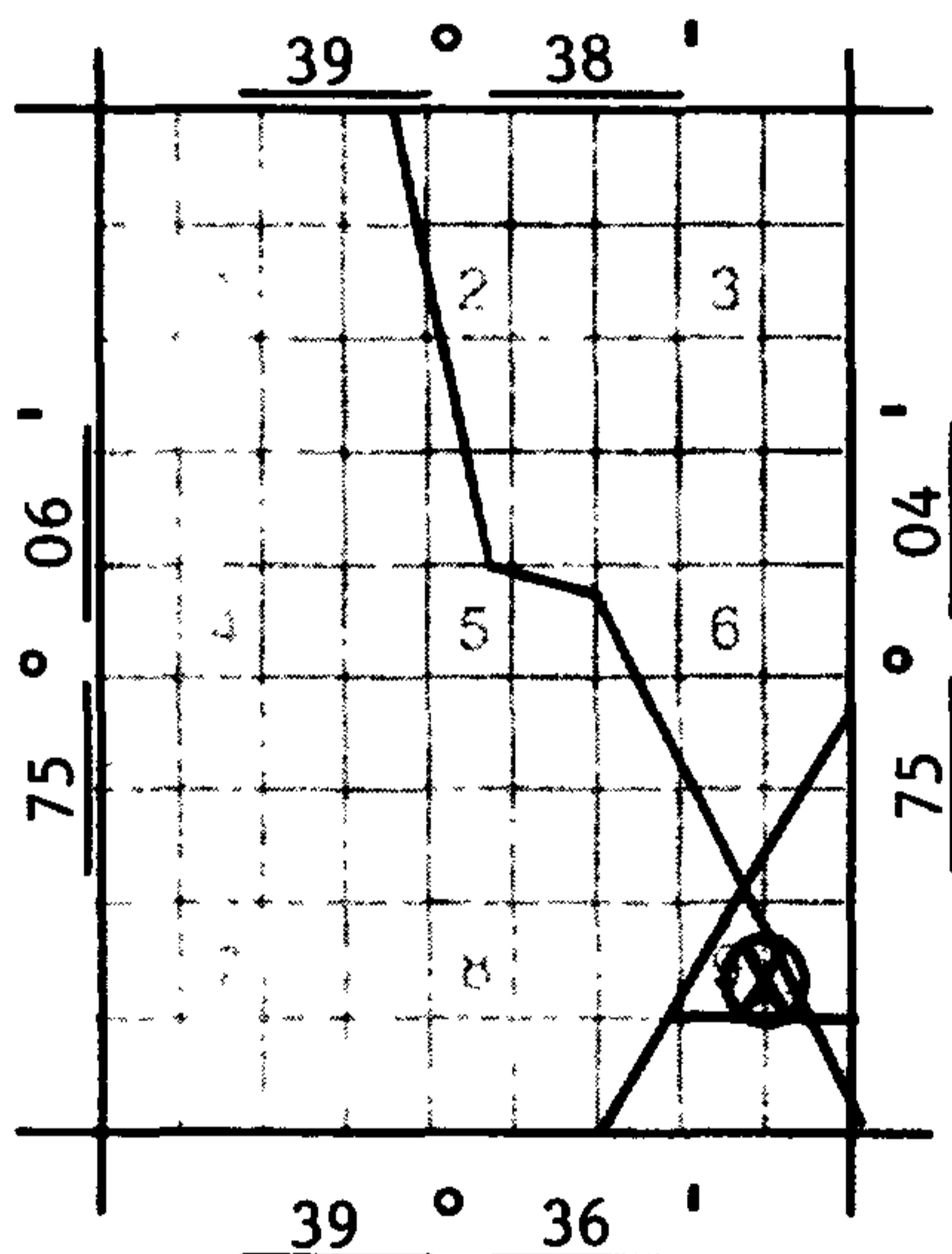
Name of Facility Same Address

Table with well specifications: Diameter of Well (4 inches), Proposed Depth of Well (100 feet), Proposed Capacity of Pump (12 GPM), Method of Drilling (Rotary), Use of Well (Domestic Replacement), Drinking Water Supply? (yes).

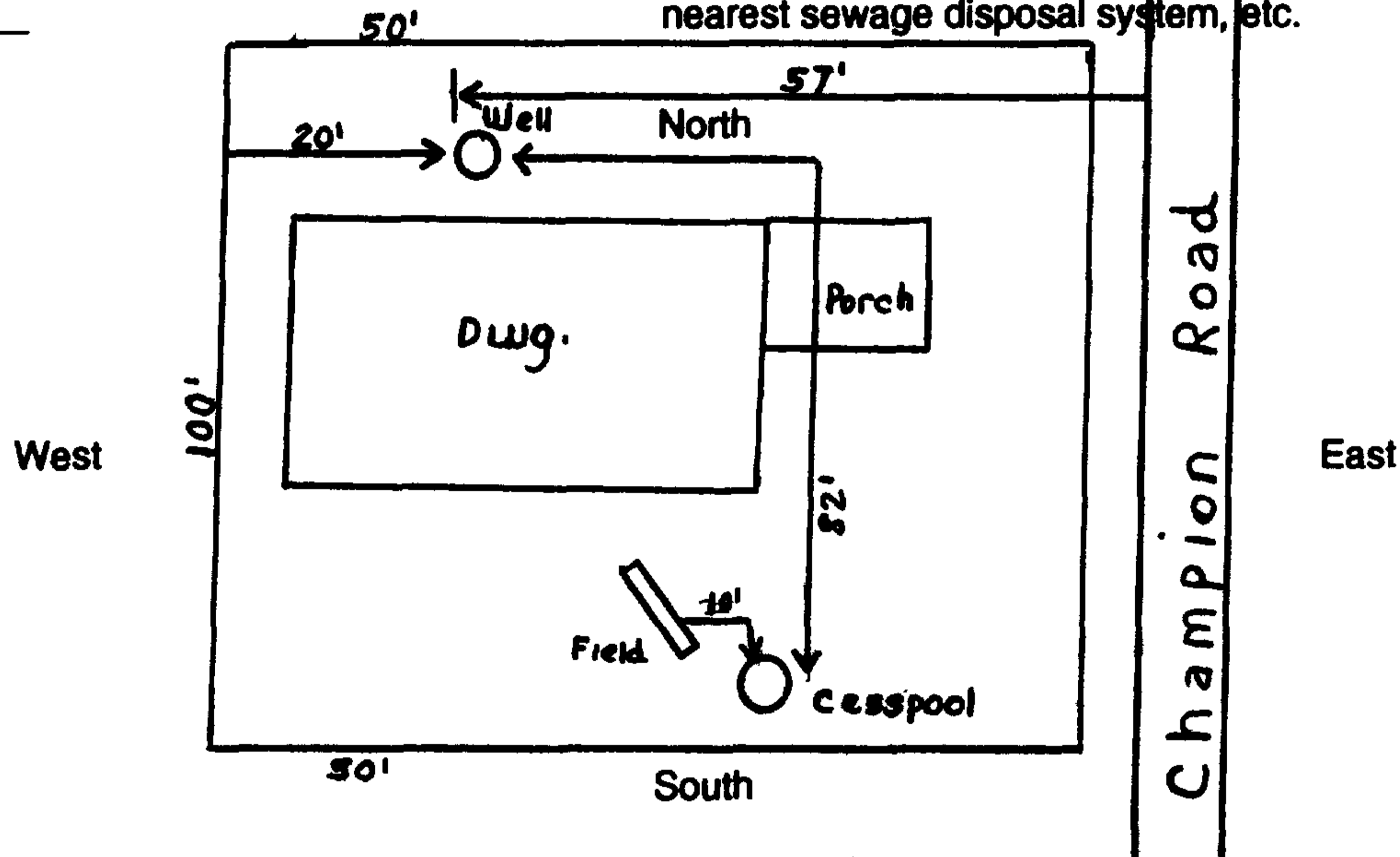
LOCATION OF WELL

Table with location info: Lot # 161, Block # 4116, Municipality Franklin, County Gloucester

State Atlas Map No. 31



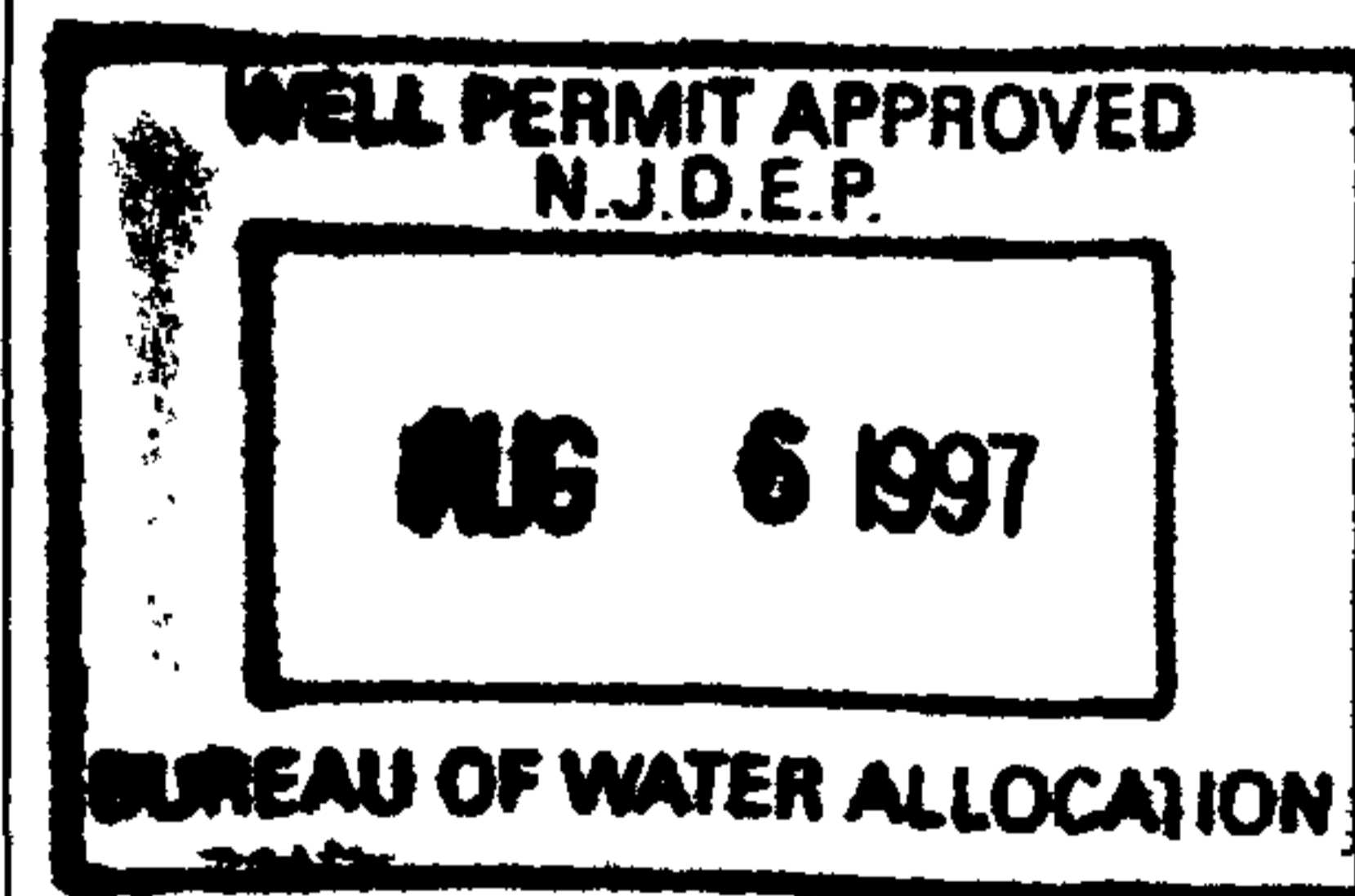
Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS

- Checklist of conditions: DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7-10-12.1 et seq; PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7-10-11.1 et seq; CLOSED LOOP GEOTHERMAL - see attached conditions; OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well; INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7-10-10.1 et seq; IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7-10-10.1 et seq; REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment; IRRIGATION PURPOSES ONLY; TEST PURPOSES ONLY; PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7-50-6.84 (a)4 v are met; MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s); The well shall be equipped with a totalizing flow meter per N.J.A.C. 7-19-2 et seq.

This Space for Approval Stamp



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 8-6-97

Signature of Driller [Signature] Registration No. M0804

Signature of Property Owner [Signature] for H. Hayes

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

8/6/97  
DATE ASSIGNED

3152011  
PERMIT NUMBER

A. THE WELL SHALL BE PROVIDED WITH A CASING TO A DEPTH OF 50 FEET OR MORE, AND SAID CASING SHALL EXTEND TO AND BE SEALED INTO A CONFINING LAYER SEPARATING THE AQUIFER FROM THE STRATUM OF SOIL USED FOR SEWAGE DISPOSAL.

OR

B. THE WELL SHALL BE CONSTRUCTED WITH A MINIMUM OF 150 FEET OF CASING, AND BE PRESSURE GROUTED FROM THE BOTTOM OF THE CASING TO THE SURFACE.



SERIAL # 12670

DWR-133  
(6/97)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Mail to  
NJDEP  
Bureau of Water Allocation  
P.O. Box 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

Permit No. 31-52085

8-13-97

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.796

Property Owner Jim Sullivan Real Estate Svcs.

Driller Uni-Tech Drilling Co., Inc.

Address 1931 Delsea Drive (Route 47)  
Franklinville, NJ 08322

Address 601 West Main Street  
Malaga, NJ 08328

Name of Facility Same

Diameter of Well	4	Inches	Proposed Depth of Well	100	Feet
Proposed Capacity of Pump	12	GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary	
Use of Well (See Reverse)	Non-Public Replacement				
Drinking Water Supply?	Yes	yes (see # 6 on reverse)	no		

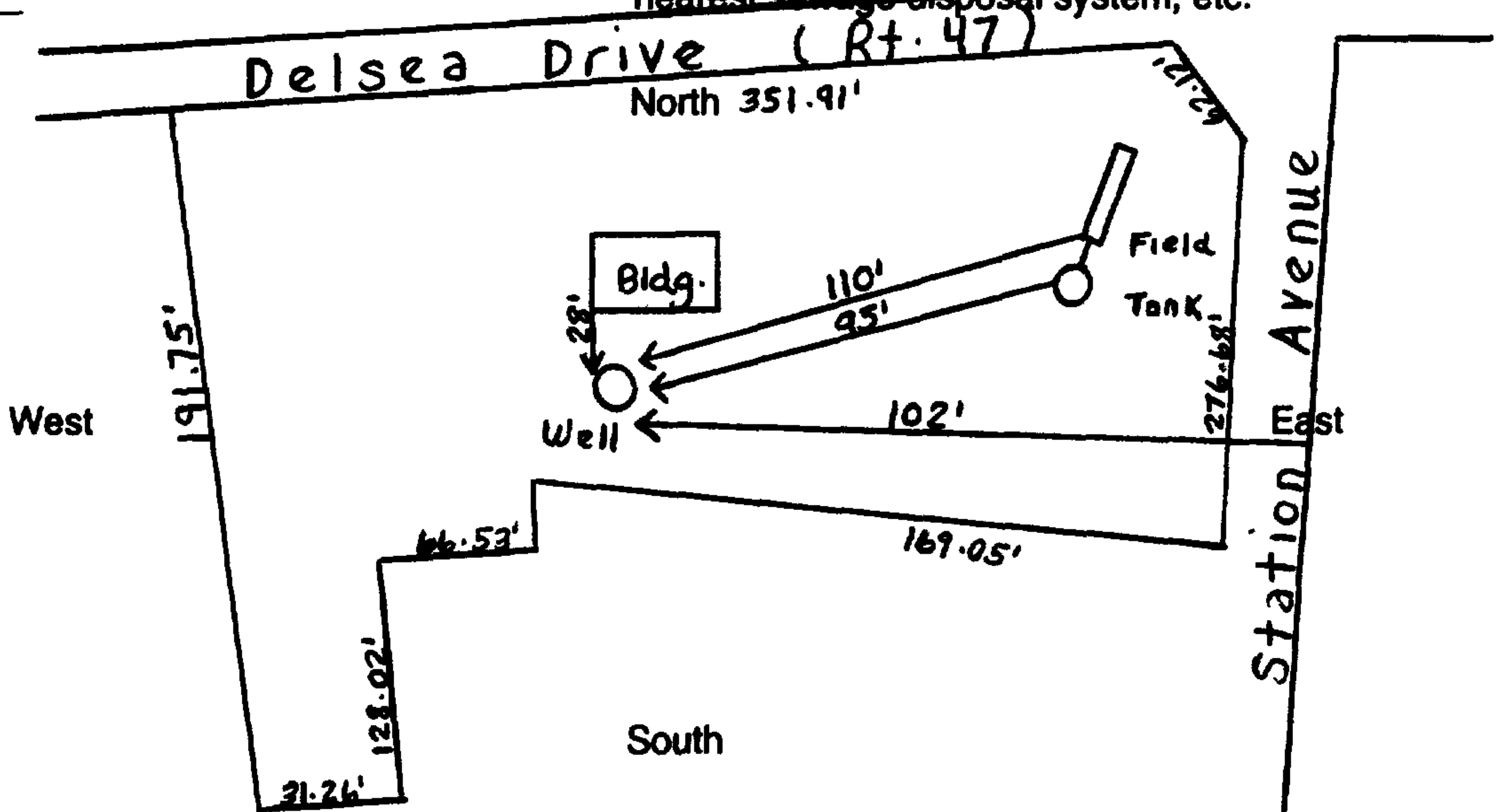
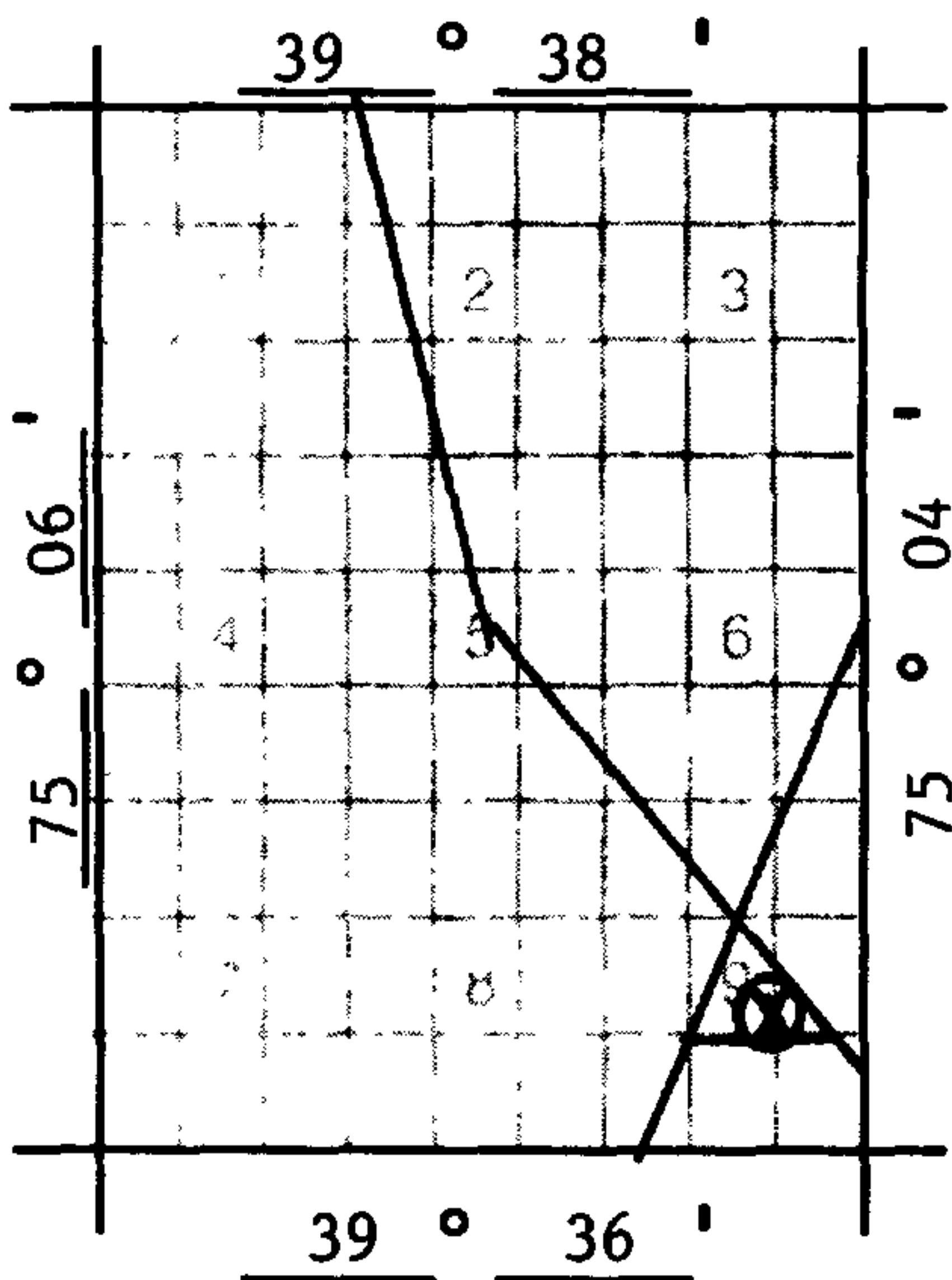
Address \_\_\_\_\_

LOCATION OF WELL

Lot #	Block #	Municipality	County
6	4109	Franklin	Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N J A C 7 10-12 1 et seq
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N J A C 7 10-11 1 et seq
- CLOSED LOOP GEOTHERMAL - see attached conditions
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N J A C 7 10-10 1 et seq
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N J A C 7 10-10 1 et seq
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N J A C 7 50-6 84 (a)4 v are met
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N J A C 7 19-2 et seq

This Space for Approval Stamp

WELL PERMIT APPROVED  
N.J.D.E.P.

AUG 13 1997

BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 8-13-97

Signature of Driller [Signature] Registration No. M0804

Signature of Property Owner Jasmine Morris for J. Sullivan

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



SERIAL # 13392

DWR-433  
(6/97)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

EMERGENCY WELL

Mail to  
NJDEP  
Bureau of Water Allocation  
P.O. Box 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

Permit No. 31-52299  
9-16-97

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31 . 32 . 798

Property Owner Horance & Norma Hayes

Driller Andersons Well Drilling

Address 85 Champion Road

Address 235 Sycamore Ave.

Franklinville NJ 08322

Atco NJ 08004

Name of Facility Same as above

Diameter of Well	4" Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	15 GPM	Method of Drilling (cable-tool, Rotary, etc.)	rotary
Use of Well (See Reverse)	domestic replacement		
Drinking Water Supply?	yes	yes (see # 6 on reverse)	no

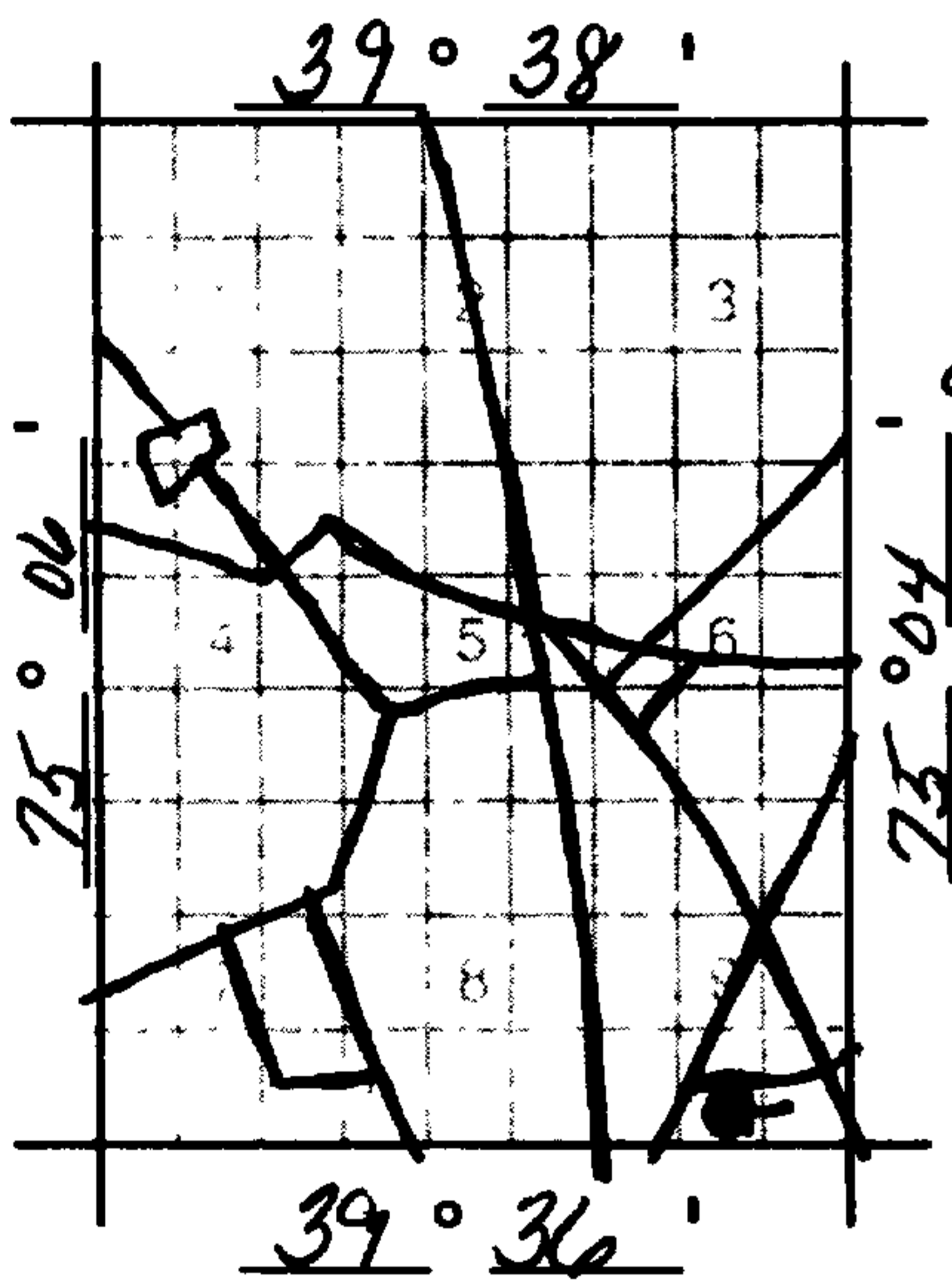
Address \_\_\_\_\_

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>11</u>	<u>4/16</u>	<u>Franklin</u>	<u>Gloucester</u>

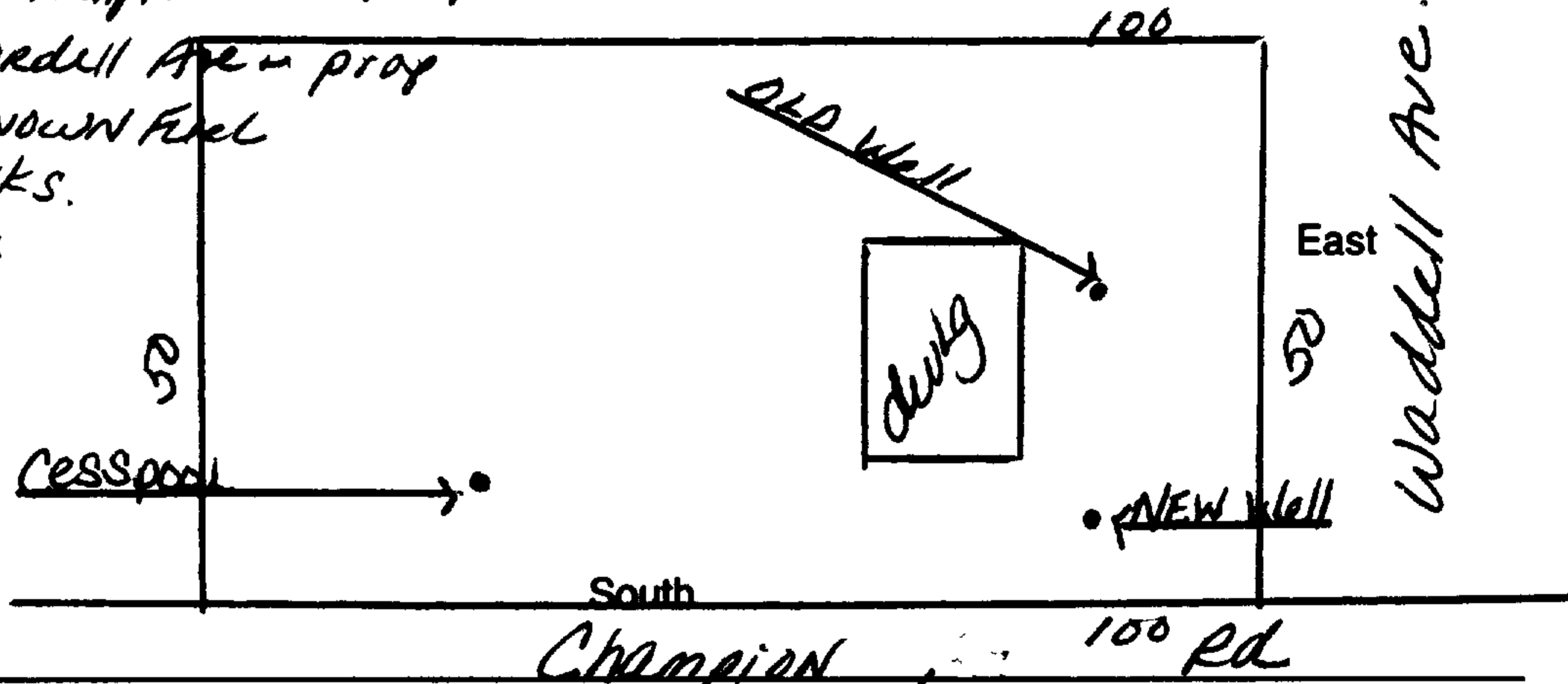
Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31-32798



75' TO CESSPOOL  
 12' TO DWLG  
 8' TO CHAMPION Rd - prop  
 8' TO WARDWELL Ave - prop  
 NO KNOWN FUEL TANKS.  
 West

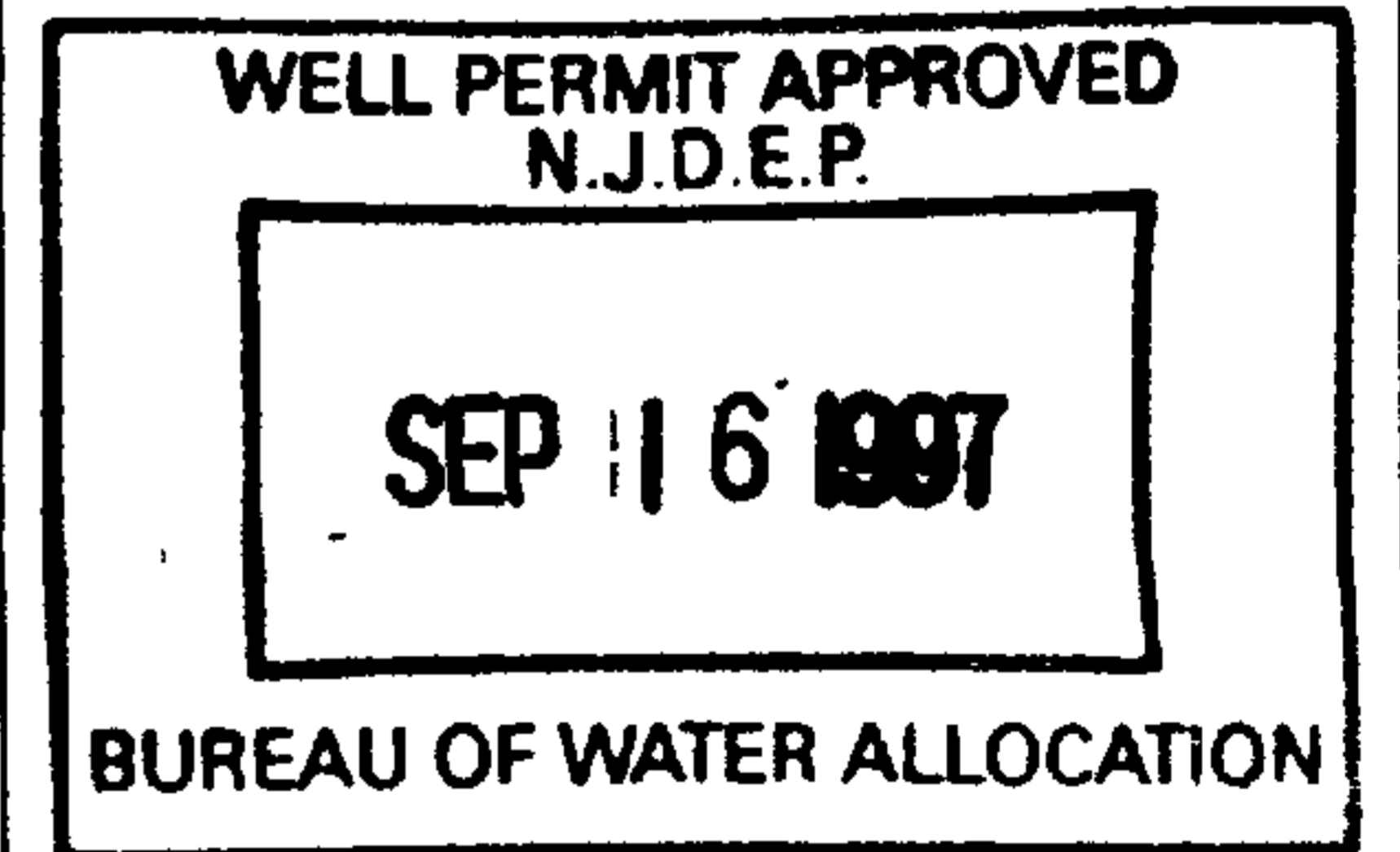
Note: house is only 20' to Rd - North prop line. ON each side.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N J A C 7 10-12 1 et seq
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J A C 7 10-11 1 et seq
- CLOSED LOOP GEOTHERMAL - see attached conditions
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N J A C 7 10-10 1 et seq
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N J A C 7 10-10 1 et seq
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J A C 7 50-6 84 (a)4 v are met
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N J A C 7 19-2 et seq

This Space for Approval Stamp



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 9-16-97

Signature of Driller Paul K. Anderson Registration No. 980

Signature of Property Owner Horance Hayes

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White

9/16/97  
DATE ASSIGNED

3152299  
PERMIT NUMBER

A. THE WELL SHALL BE PROVIDED WITH A CASING TO A DEPTH OF 50 FEET OR MORE, AND SAID CASING SHALL EXTEND TO AND BE SEALED INTO A CONFINING LAYER SEPARATING THE AQUIFER FROM THE STRATUM OF SOIL USED FOR SEWAGE DISPOSAL.

OR

B. THE WELL SHALL BE CONSTRUCTED WITH A MINIMUM OF 150 FEET OF CASING, AND BE PRESSURE GROUTED FROM THE BOTTOM OF THE CASING TO THE SURFACE.



SERIAL # 12912

DWR-133  
(6/97)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Mail to  
NJDEP  
Bureau of Water Allocation  
P.O. Box 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

Permit No. 3152621

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.42.133

Property Owner Greg W. Call  
Address 916 Porchtown Road  
Franklinville, NJ 08322  
Name of Facility Domestic New  
Address 916 Porchtown Road  
Franklinville, NJ

Driller South Jersey Well Drilling  
Address 253E N. White Horse Pike  
Hammonton, NJ 08037

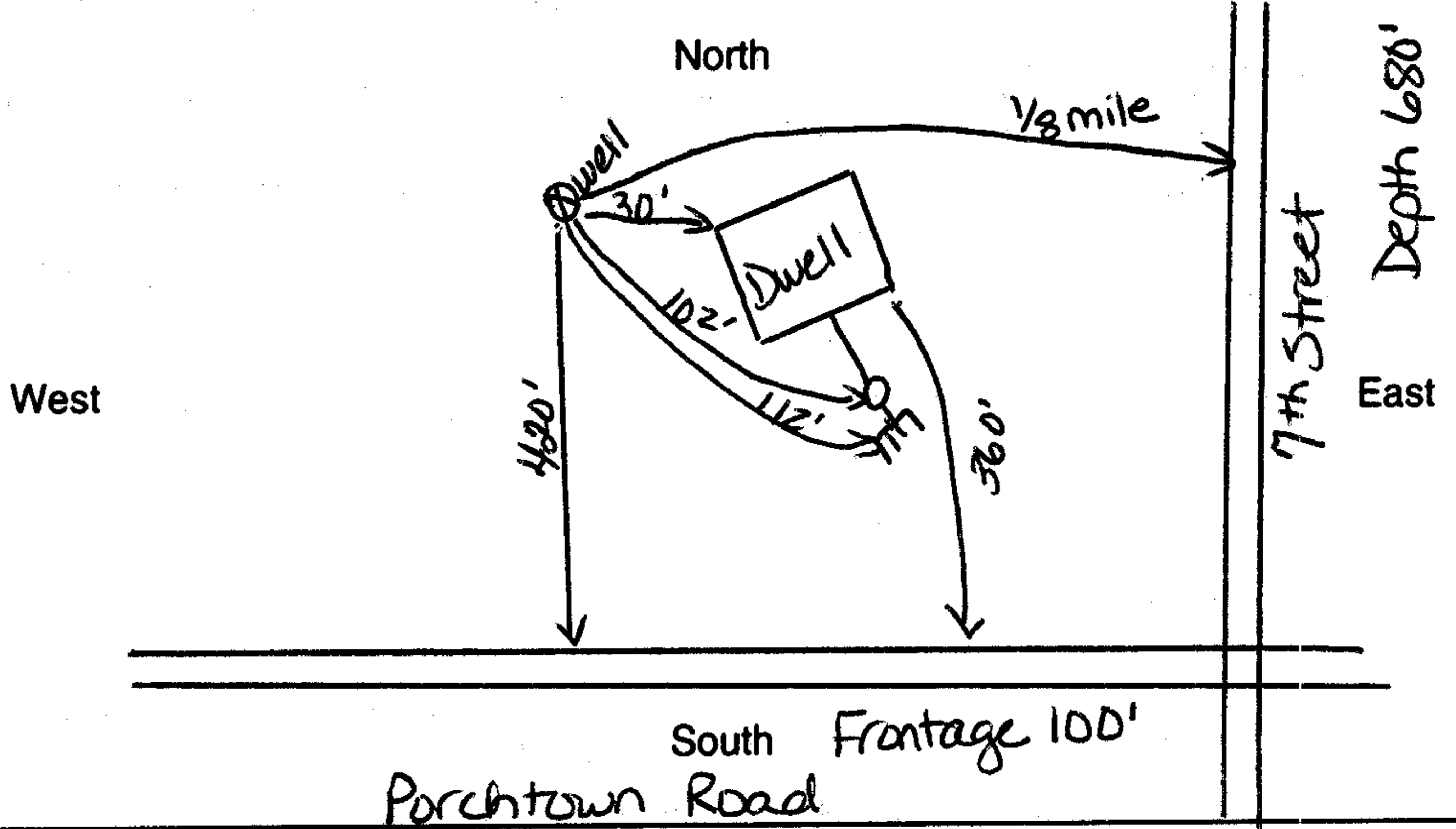
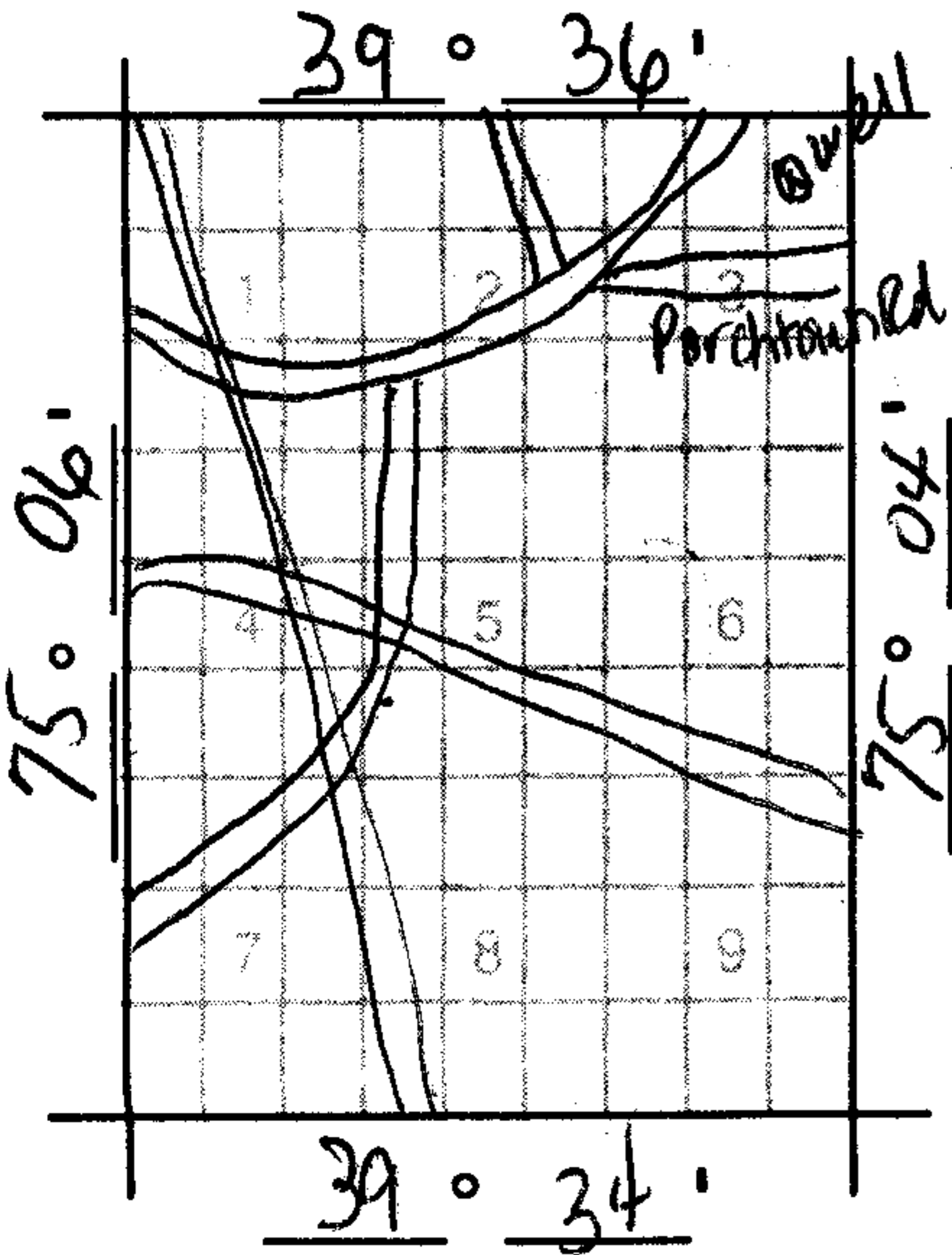
Diameter of Well	<u>4</u> Inches	Proposed Depth of Well	<u>100</u> Feet
Proposed Capacity of Pump	<u>11</u> GPM	Method of Drilling (cable-tool, Rotary, etc.)	<u>Rotary</u>
Use of Well (See Reverse)	<u>Domestic New</u>		
Drinking Water Supply?	<u>yes</u> (see # 6 on reverse)		no

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>4</u>	<u>3503</u>	<u>Franklinville</u>	<u>Gloucester</u>

State Atlas Map No. 31

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- CLOSED LOOP GEOTHERMAL - see attached conditions.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

**WELL PERMIT APPROVED**  
N.J.D.E.P.

**NOV 17 1997**

**BUREAU OF WATER ALLOCATION**

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 11-12-97 Signature of Driller [Signature] Registration No. 2421  
Signature of Property Owner Greg W. Call (RR for owner)

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



SERIAL # 15825

DWR-133  
(6/97)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Mail to  
NJDEP  
Bureau of Water Allocation  
P.O. Box 426  
Trenton, NJ 08625-0426

5

Permit No. 31-52860  
1-12-98

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.795

Property Owner NJ Bell Telephone Co  
2601 Delsea Dr  
Address Franklinville, NJ

Driller Callahan Well Drilling  
177a North Ave  
Address West Berlin, NJ 08091

Name of Facility \_\_\_\_\_  
Address same

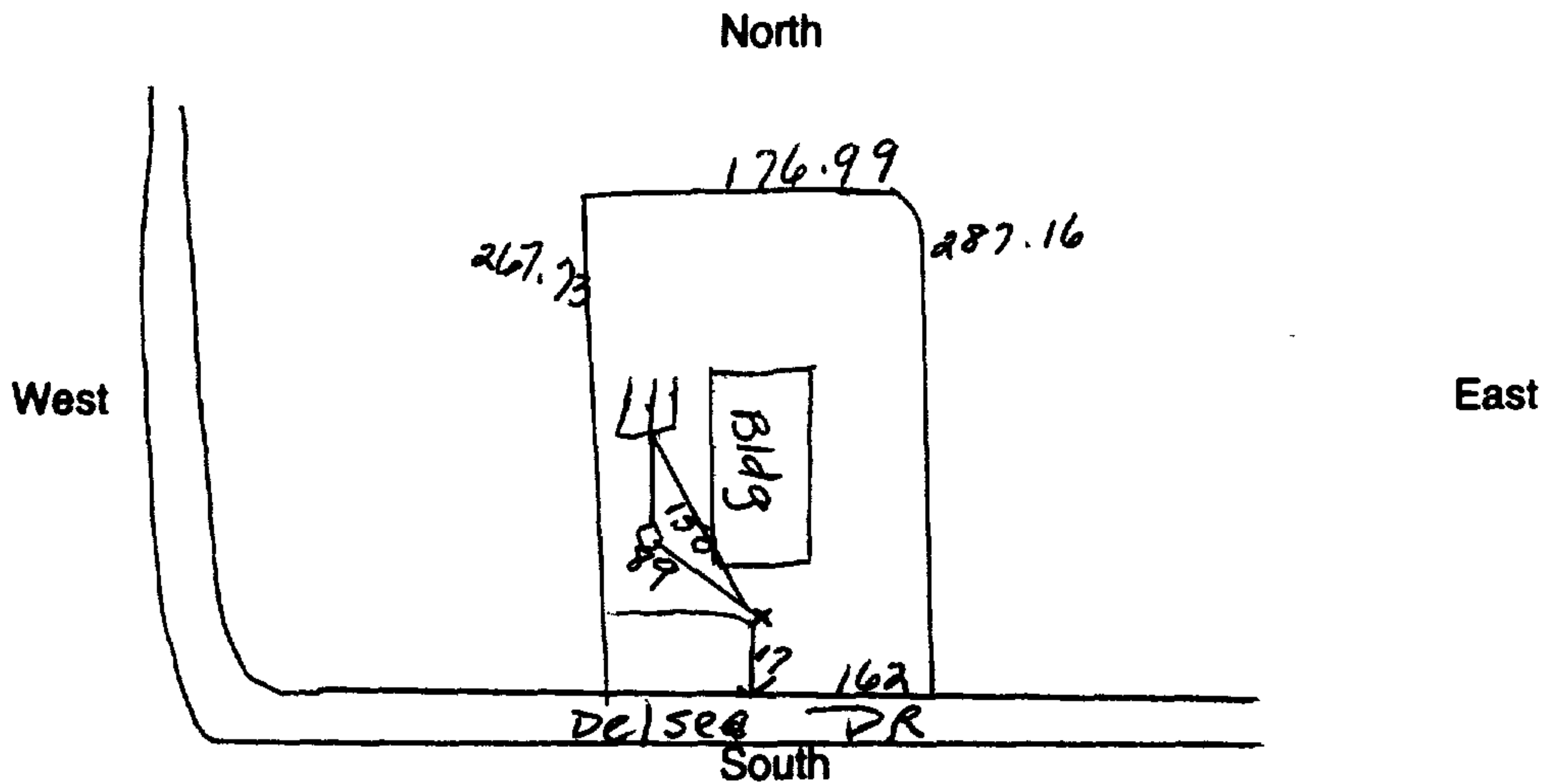
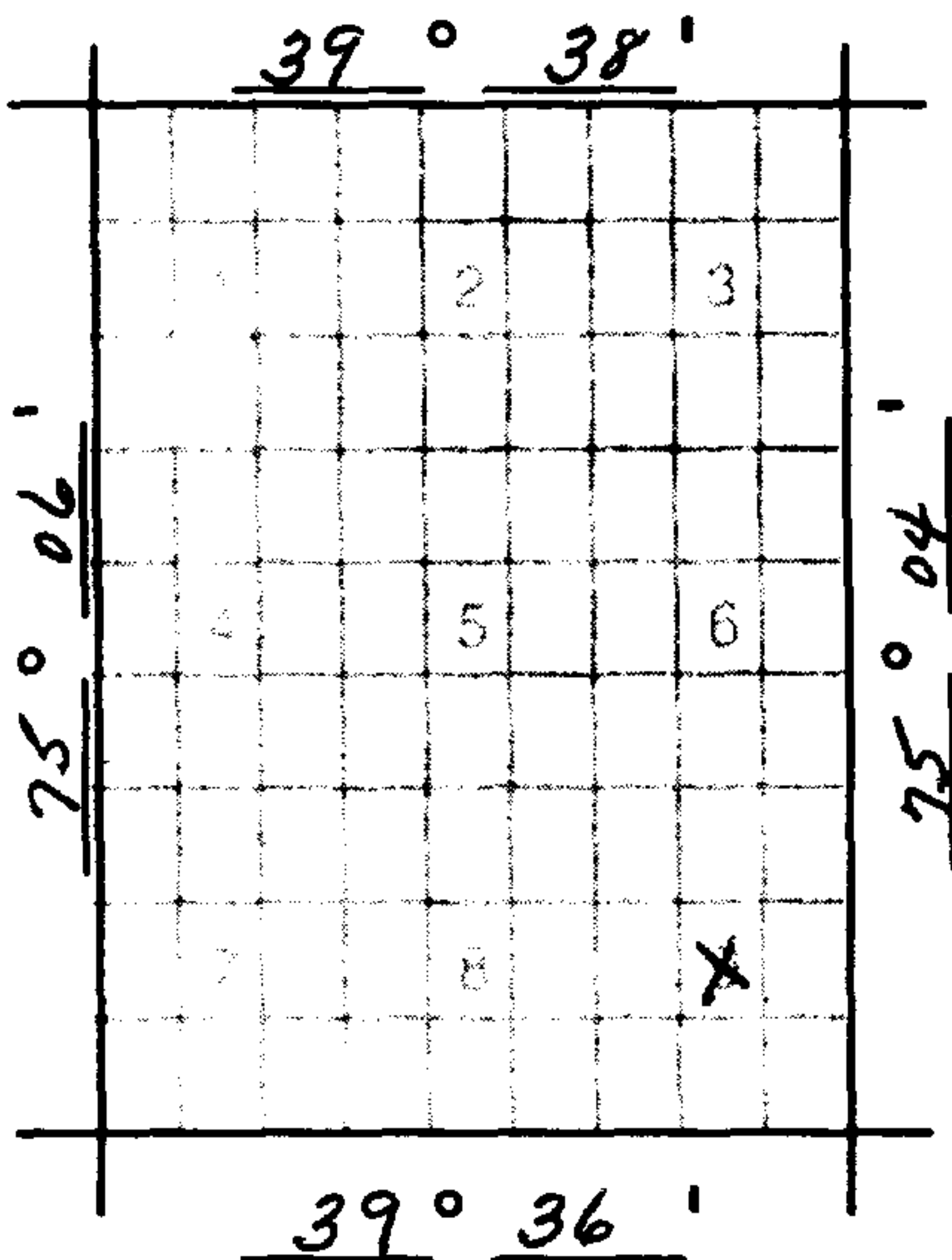
Diameter of Well	4	Inches	Proposed Depth of Well	80	Feet
Proposed Capacity of Pump	20	GPM	Method of Drilling (cable-tool, Rotary, etc.)	rotary	
Use of Well (See Reverse)	NON PUBLIC (NP) - Replace-EMER				
Drinking Water Supply?	X	yes (see # 6 on reverse)	no		

LOCATION OF WELL

Lot #	Block #	Municipality	County
8	3609	Franklin	Glou

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

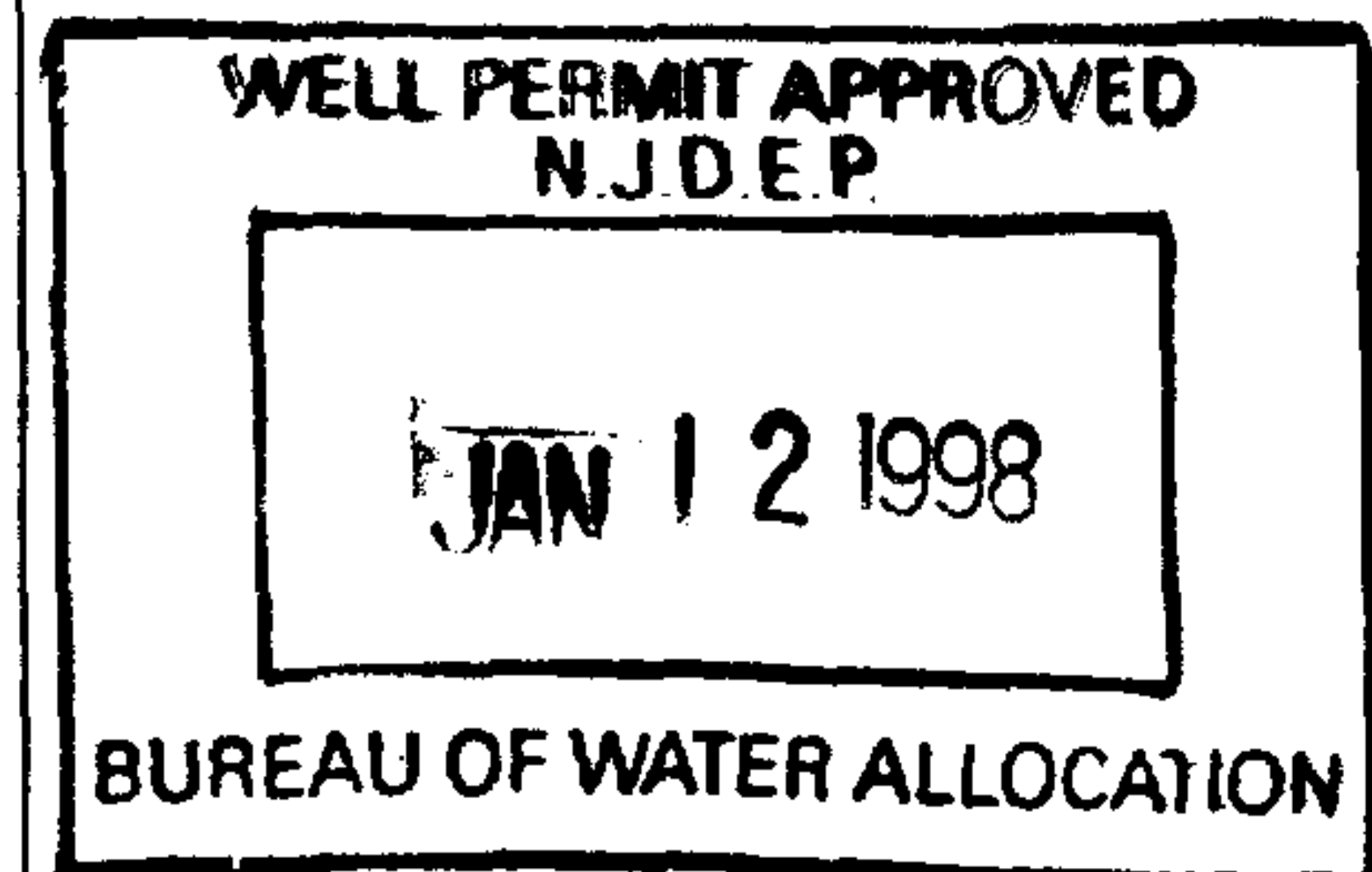
State Atlas Map No. 31.32.795



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- CLOSED LOOP GEOTHERMAL - see attached conditions.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2. et seq.

This Space for Approval Stamp



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 1/9/98 Signature of Driller Thomas Callahan/CC Registration No. J 1106  
Signature of Property Owner for Richard Holmes/CC

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



SERIAL # 18459

DWR-133 (6/97)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON, NJ

Mail to NJDEP Bureau of Water Allocation P.O. Box 426 Trenton, NJ 08625-0426

Permit No. 3153147

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.795

Property Owner Robert & Joan Baer

Driller UNI-TECH DRILLING CO, INC

Address 1003 Williamstown Rd FRANKLINVILLE, NJ 08322

Address 601 W. MAIN ST MALAGA, NJ 08328

Name of Facility SAME

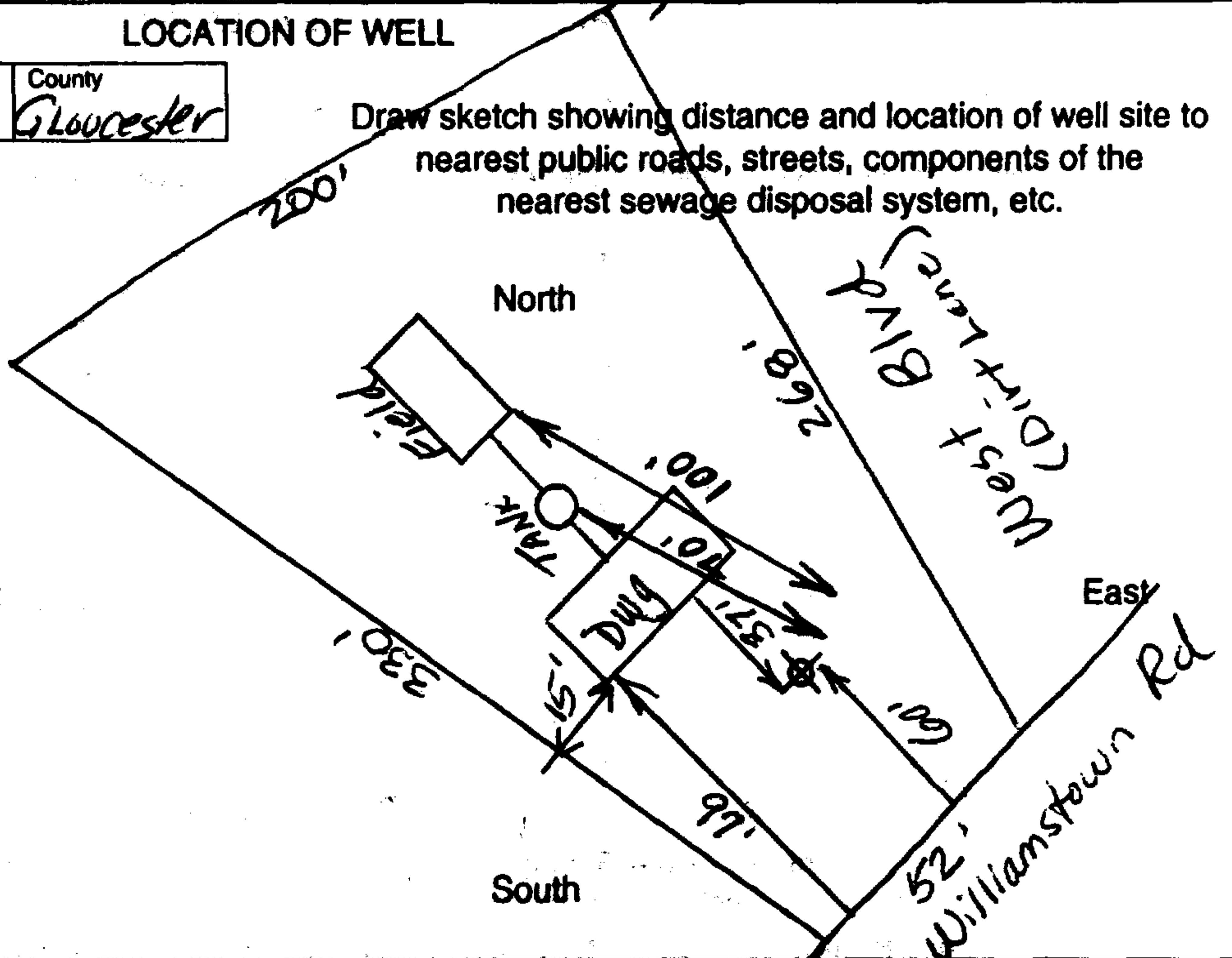
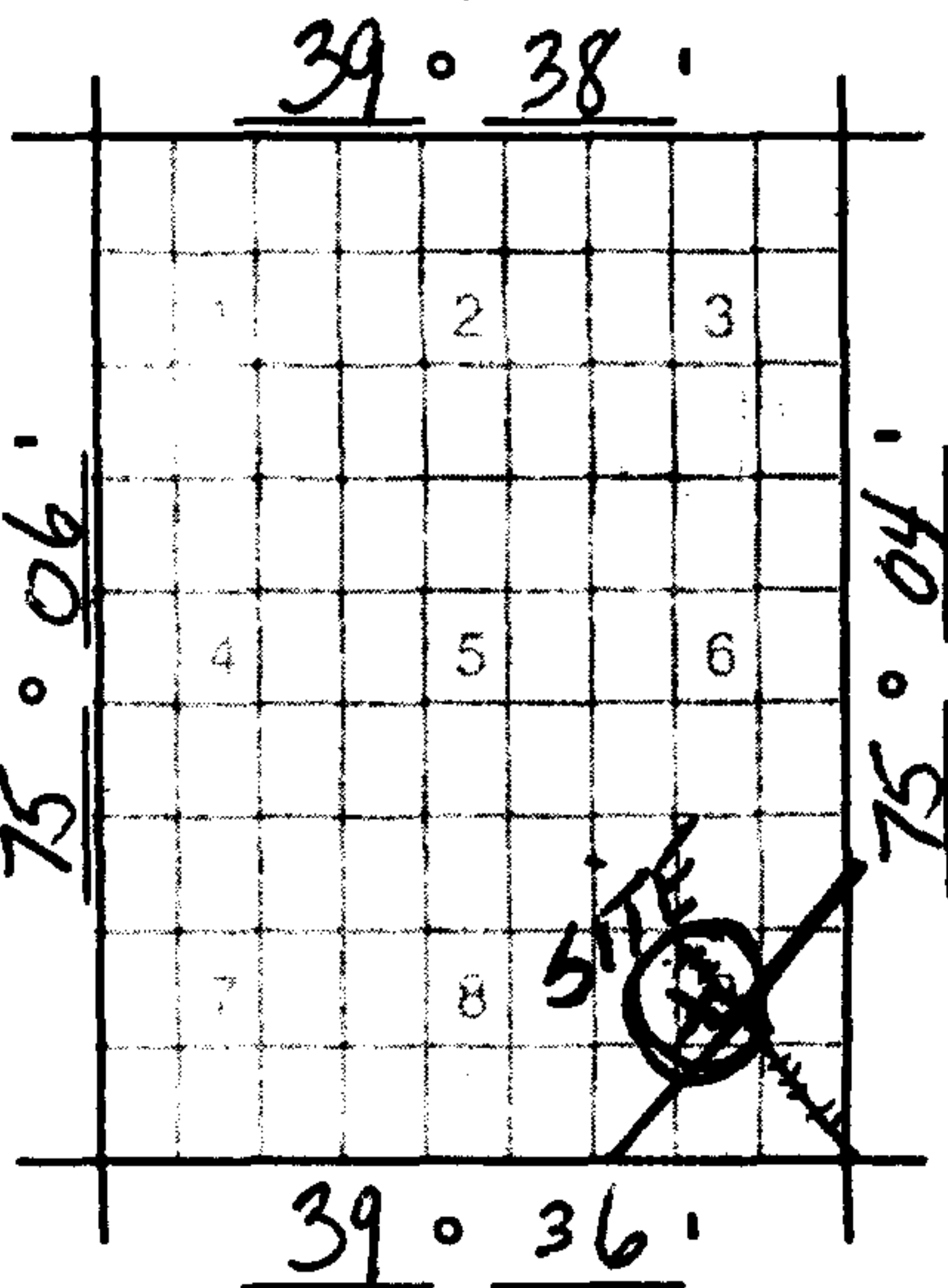
Diameter of Well	4" Inches	Proposed Depth of Well	100' Feet
Proposed Capacity of Pump	25 GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic Replacement		
Drinking Water Supply?	Yes	yes (see # 6 on reverse)	no

Address

LOCATION OF WELL

Lot #	Block #	Municipality	County
8	3504	FRANKLIN	Gloucester

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- CLOSED LOOP GEOTHERMAL - see attached conditions.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY
- TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

WELL PERMIT APPROVED  
N.J.D.E.P.

MAR 3 1998

BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 2/26/98 Signature of Driller [Signature] Registration No. JD1256  
 Signature of Property Owner Joan Baer

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White



SERIAL # 19952

DWR-133 (6/97)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON, NJ

EMERGENCY WELL

Mail to NJDEP Bureau of Water Allocation P.O. Box 426 Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

05

Permit No. 31-53347 4-13-98

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.793.

Property Owner Mrs Edna Lightfoot

Driller Andersons Well Drilling

Address 978 Williamstown Road

Address 235 Sycamore Ave

Franklinville NJ 08322

Ateo NJ 08004

Name of Facility Same as above

Table with well specifications: Diameter of Well 4 inches, Proposed Depth of Well 100 Feet, Proposed Capacity of Pump 10 GPM, Method of Drilling rotary, Use of Well domestic replacement, Drinking Water Supply? XXXX yes (see # 6 on reverse) no

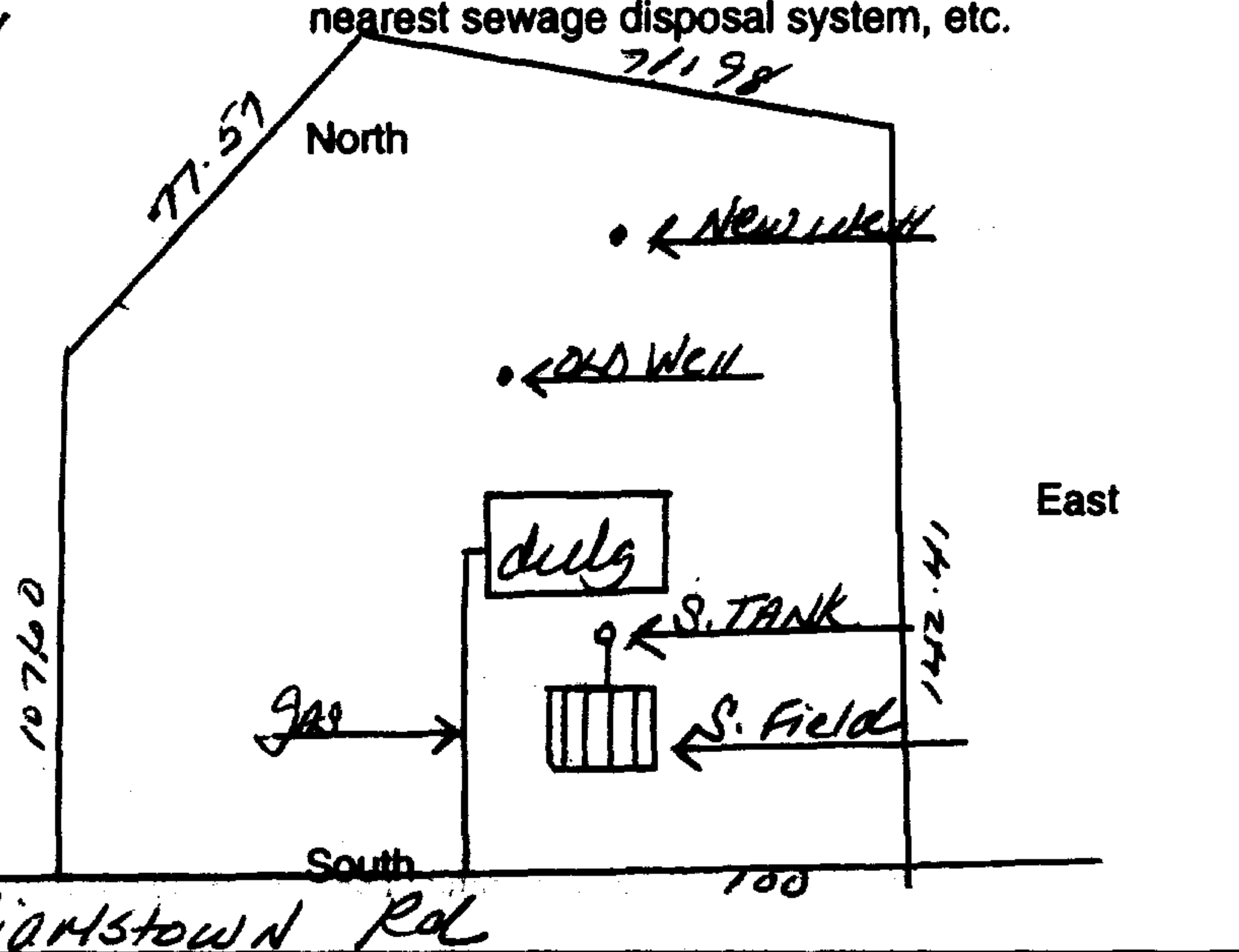
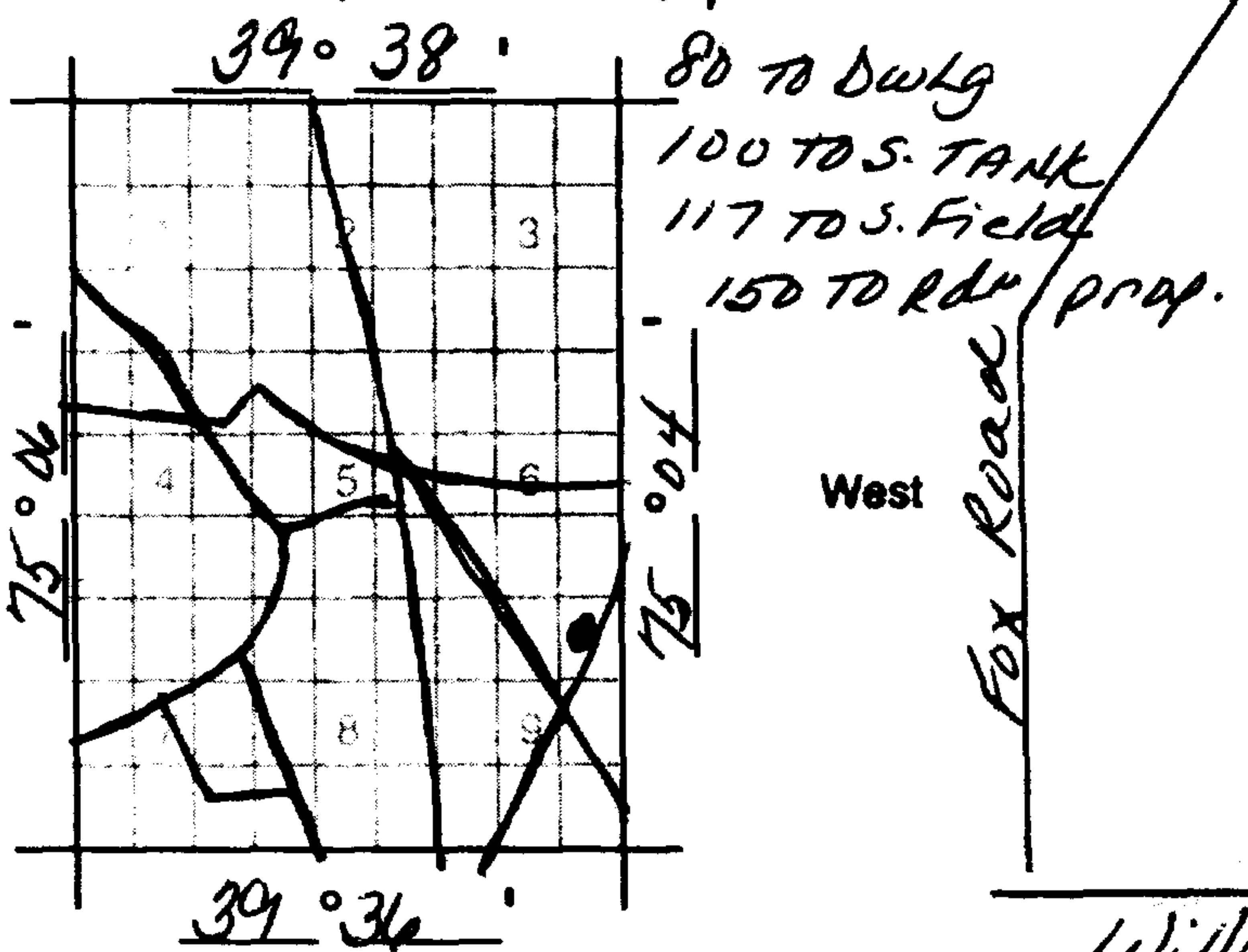
Address

LOCATION OF WELL

Table with location info: Lot # 1, Block # 4106, Municipality Franklin, County Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31-32793



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- Checklist of conditions: DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq. PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq. CLOSED LOOP GEOTHERMAL - see attached conditions. OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well. INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq. IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq. REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment. IRRIGATION PURPOSES ONLY TEST PURPOSES ONLY PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met. MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s). The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp. WELL PERMIT APPROVED N.J.D.E.P. APR 13 1998 BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 4.13.98

Signature of Driller [Signature] Registration No. 980

Signature of Property Owner [Signature]

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White



SERIAL # 15378

DWR-133  
(6/97)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Mail to  
NJDEP  
Bureau of Water Allocation  
P.O. Box 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

Permit No. 3153400

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31327.97

Property Owner Hall Joe  
Address 200 Ewan rd  
Mullica Hill, NJ 08062-  
Name of Facility Harrisonville Richwood rd  
Address Mullica Hill Richwood rd  
S. Harrison, NJ

Driller M.P. WALKER WELL DRILLING  
Address 4 BILLINGSPORT DR  
SICKLERVILLE, NJ 08081

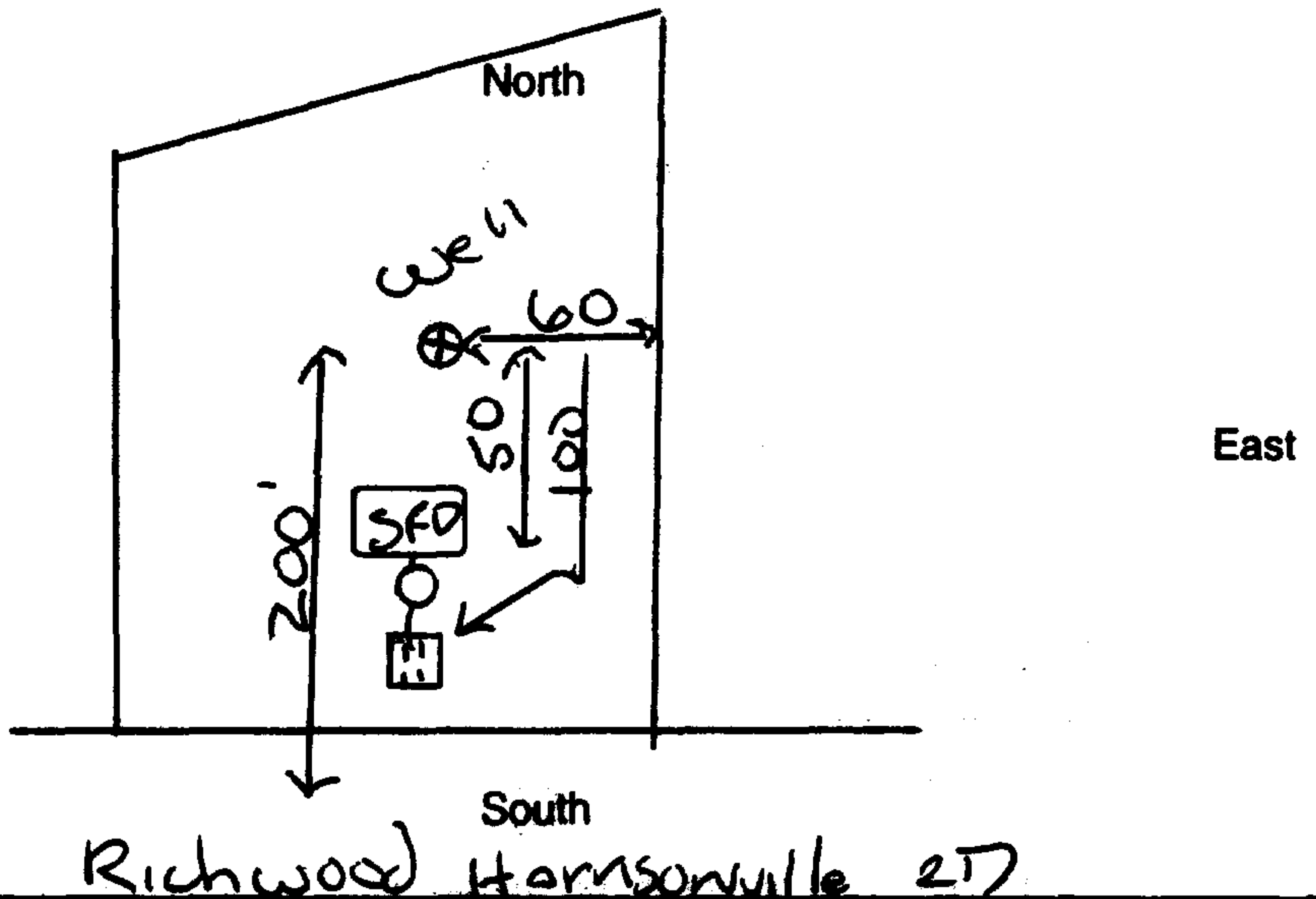
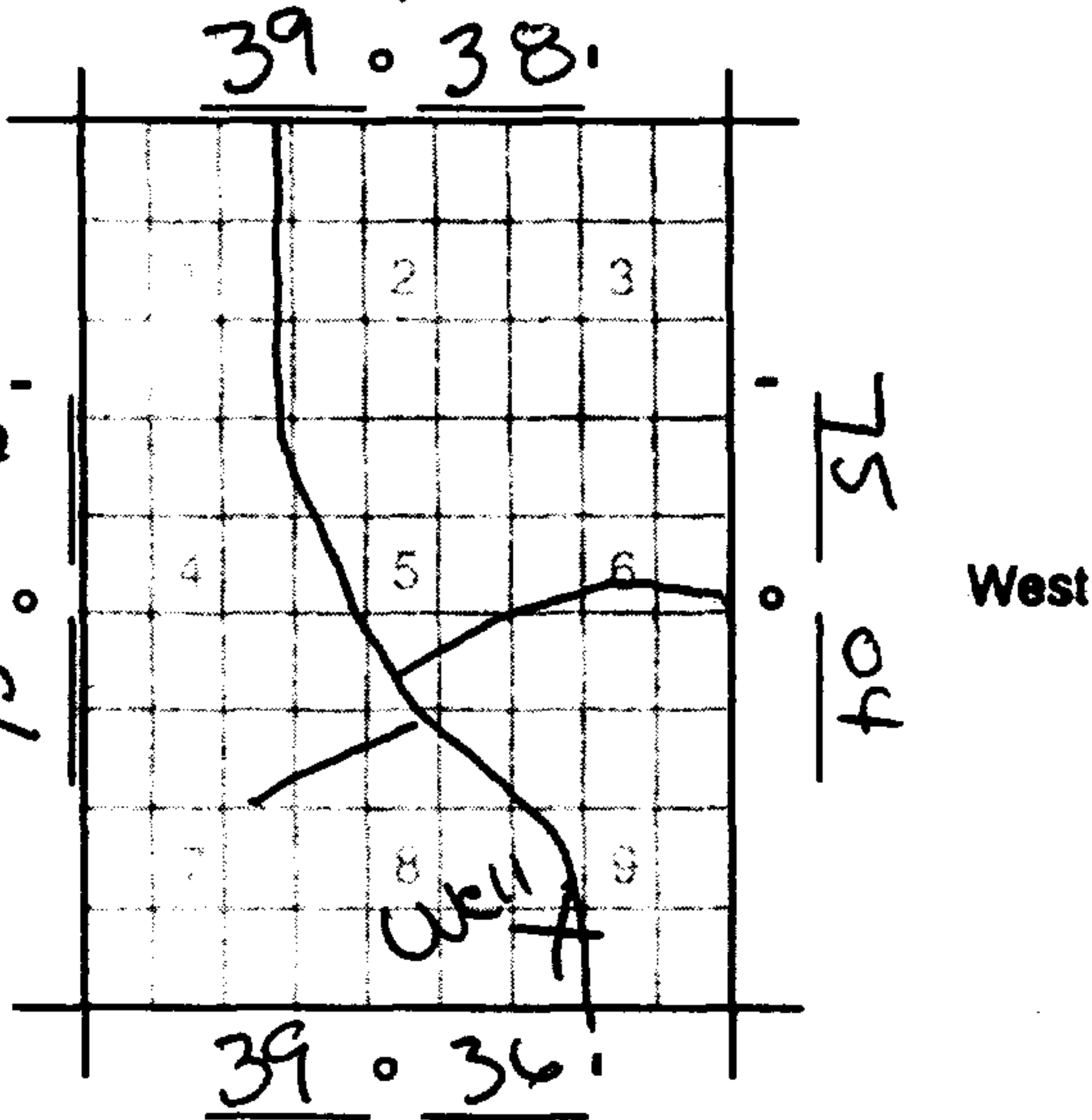
Diameter of Well	4 Inches	Proposed Depth of Well	130 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	ROTARY
Use of Well (See Reverse)	DOMESTIC 1		
Drinking Water Supply?	X yes (see # 6 on reverse) no		

LOCATION OF WELL

Lot #	Block #	Municipality	County
9.02	4	S. Harrison	GLOUCESTER

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- CLOSED LOOP GEOTHERMAL - see attached conditions.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

**WELL PERMIT APPROVED**  
N.J.D.E.P.

APR 21 1998

**BUREAU OF WATER ALLOCATION**

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 4-15-98 Signature of Driller [Signature] Registration No. 1120  
Signature of Property Owner [Signature]

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



DWR-133  
(6/97)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Mail to  
NJDEP  
Bureau of Water Allocation  
P.O. Box 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

Permit No. 5153777

OS

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.42.133

Property Owner Greg Call  
Address 916 Porchtown Road  
Franklinville, NJ 08322  
Name of Facility Change of Use - Irrigation  
Address 916 Porchtown Road  
Franklinville, NJ 08322

Driller South Jersey Well Drilling  
Address 253E N. White Horse Pike  
Hammonton, NJ 08037

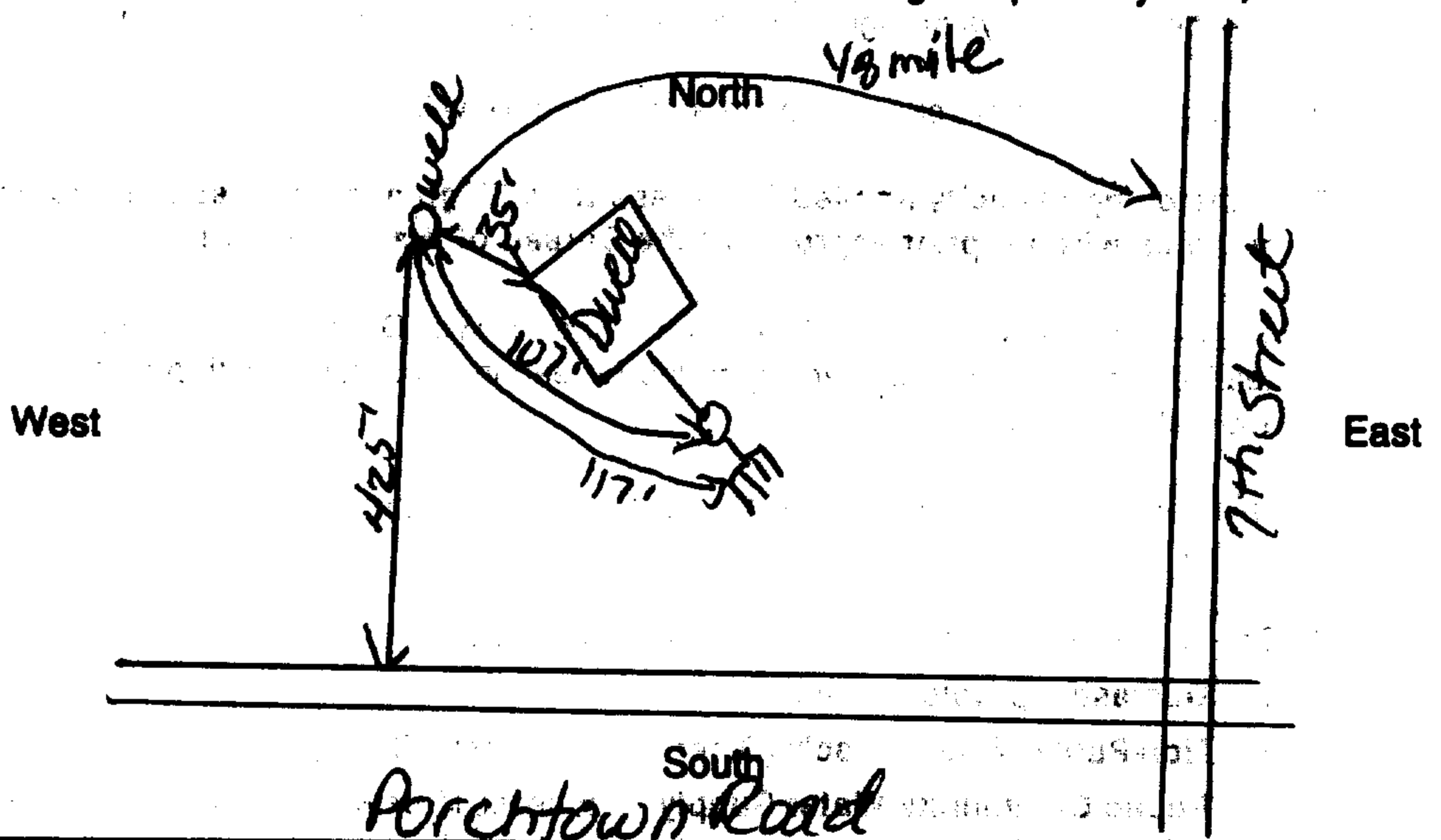
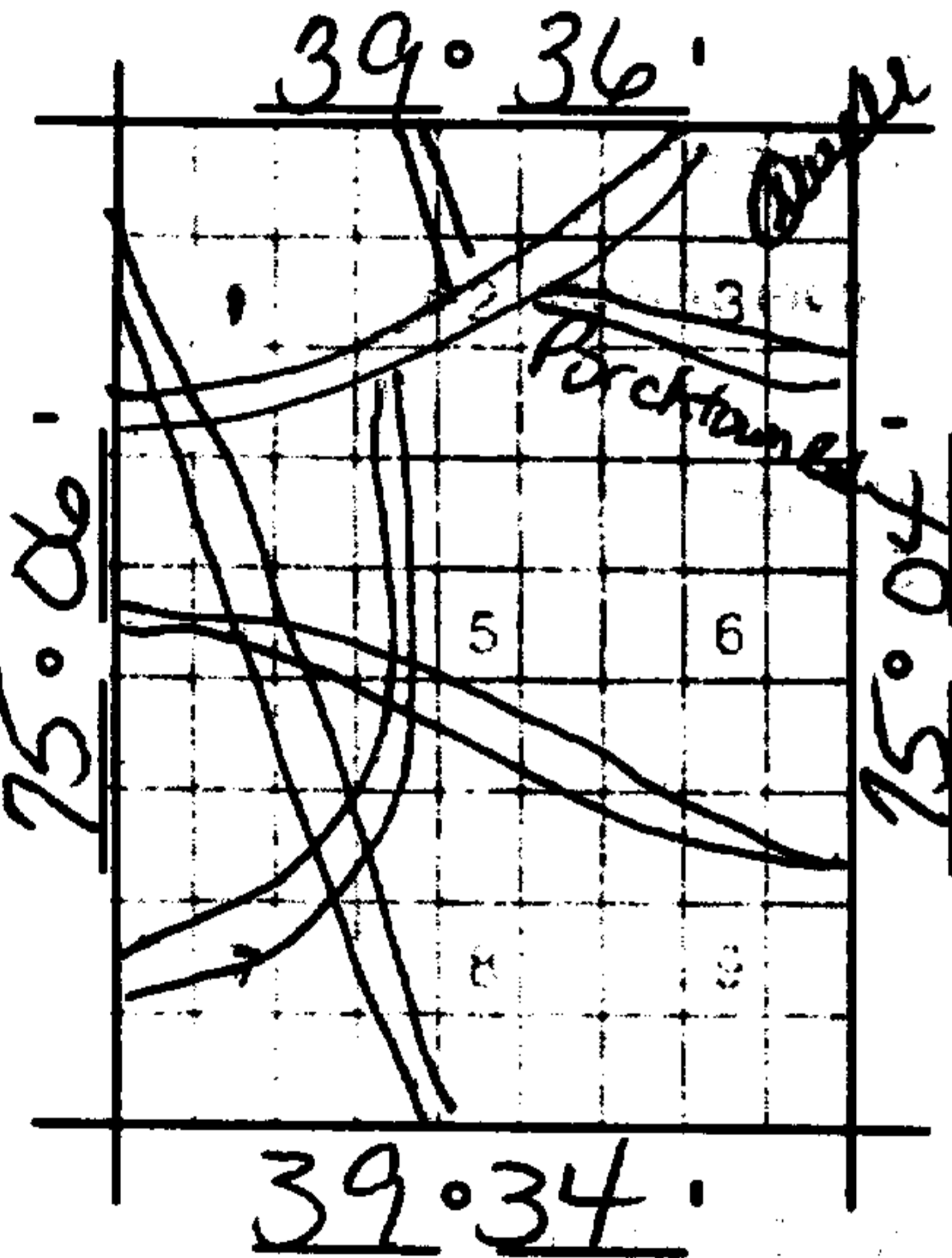
Diameter of Well	<u>4</u> inches	Proposed Depth of Well	<u>60</u> Feet
Proposed Capacity of Pump	<u>11</u> GPM	Method of Drilling (cable-tool, Rotary, etc.)	<u>Rotary</u>
Use of Well (See Reverse)	<u>Change of Use - Irrigation</u>		
Drinking Water Supply?	yes (see # 6 on reverse) <input checked="" type="checkbox"/> no <input type="checkbox"/>		

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>4</u>	<u>3503</u>	<u>Franklinville</u>	<u>Gloucester</u>

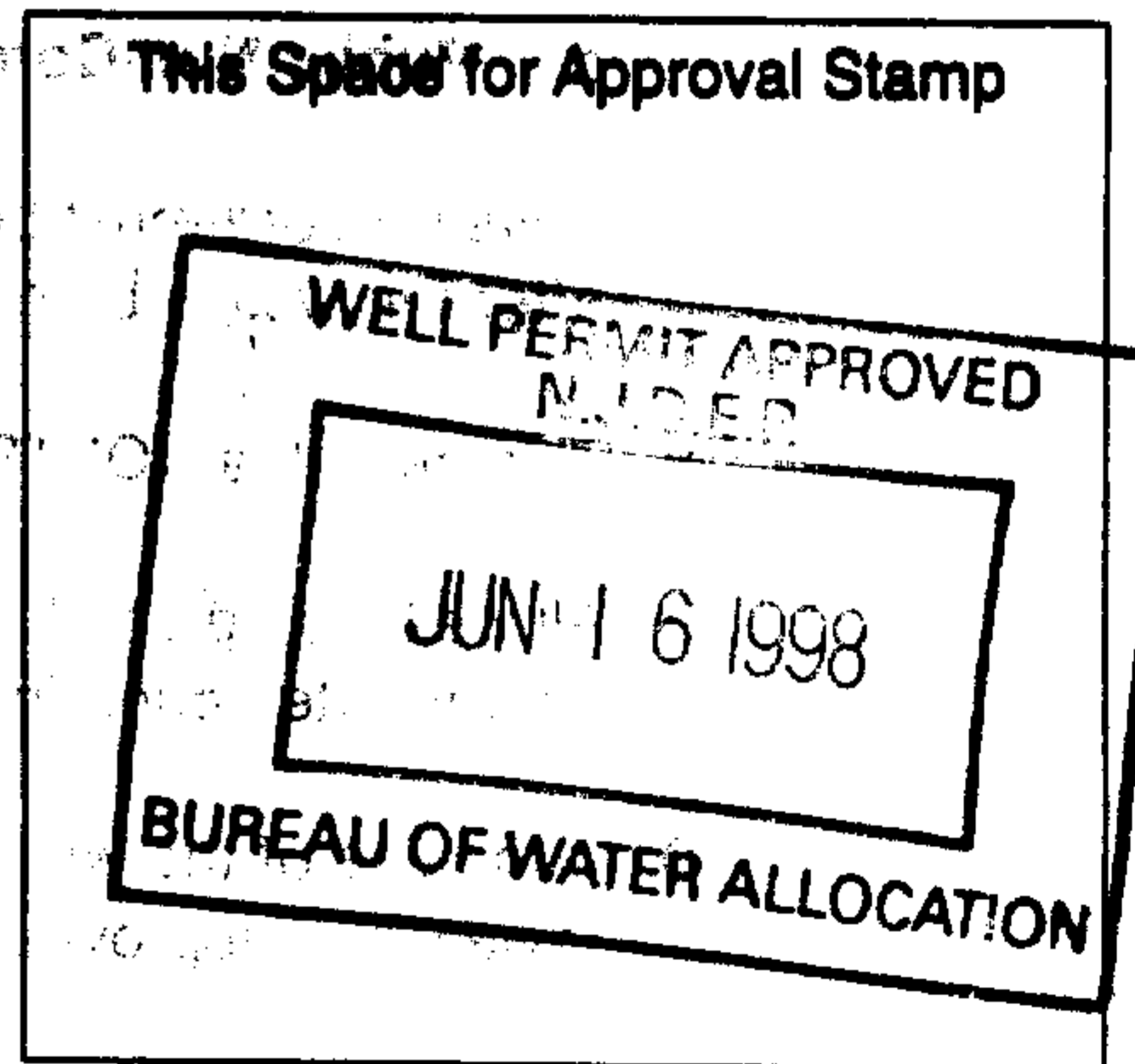
State Atlas Map No. 31 (Franklin)

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
  - PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
  - CLOSED LOOP GEOTHERMAL - see attached conditions.
  - OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
  - INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-19.1 et seq.
  - IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
  - REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
  - IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
  - PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.64 (a)4.v. are met.
  - MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s).
  - The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.
- Change of Use - for irrigation purposes only



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 5-30-98 Signature of Driller [Signature] Registration No. 2421  
Signature of Property Owner Greg Call (all for owner)

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Mail to  
NJDEP  
Bureau of Water Allocation  
P.O. Box 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

Permit No. 3154863

5

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31 . 32 . 795

Property Owner BOB PATTERSON  
Address 71 HALE AVE  
FRANKLINVILLE NJ

Driller EASTERN DRILLING Co  
Address 781 MAIN ST  
BARNSBORO NJ 08080

Name of Facility \_\_\_\_\_  
Address SAME AS ABOVE

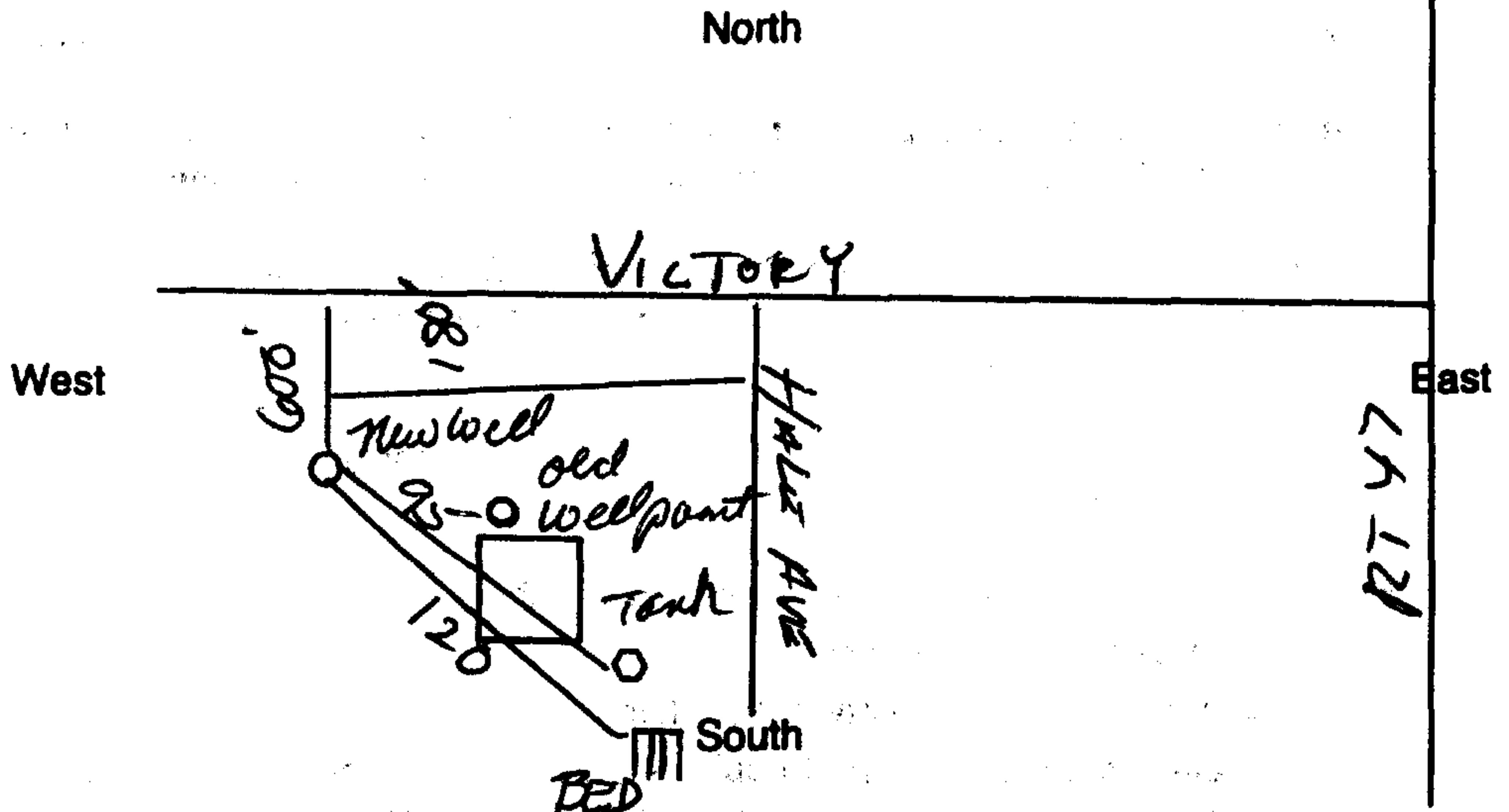
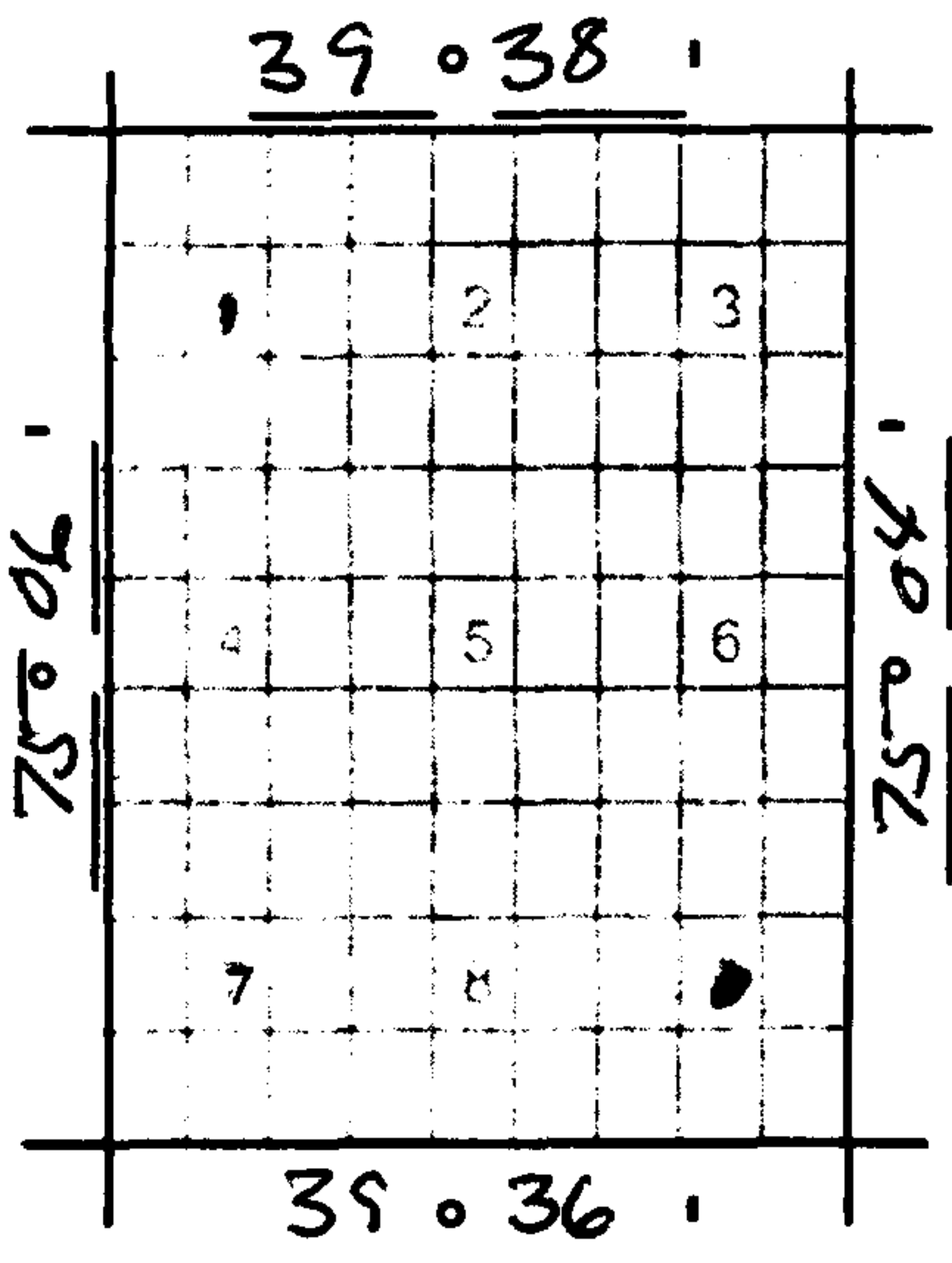
Diameter of Well	<u>4</u> Inches	Proposed Depth of Well	<u>100</u> Feet
Proposed Capacity of Pump	<u>10</u> GPM	Method of Drilling (cable-tool, rotary, etc.)	
Use of Well (See Reverse)	<u>Domestic Replacement</u>		
Drinking Water Supply?	Yes (see # 6 on reverse)		no

LOCATION OF WELL

Lot #	Block #	Municipality	County
<u>2</u>	<u>4112</u>	<u>FRANKLIN</u>	<u>GLoucester</u>

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- CLOSED LOOP GEOTHERMAL - see attached conditions.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY
- TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

WELL PERMIT APPROVED  
N.J.D.E.P.

NOV 17 1998

BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date \_\_\_\_\_ Signature of Driller Chris Kearns Registration No. 1060  
Signature of Property Owner Bob Patterson

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Permit No. 3155488

Mail to  
NJDEP  
Bureau of Water Allocation  
P.O. Box 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.793

Property Owner Ed Grochowski  
Address P.O. Box 383  
Franklinville, NJ 08322  
Name of Facility Same  
Address Joshua Court  
Franklin Twp., NJ

Driller Uni-Tech Drilling Co., Inc.  
Address 601 West Main Street  
Malaga, NJ 08328

Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic		
Drinking Water Supply?	Yes	yes (see # 6 on reverse)	no

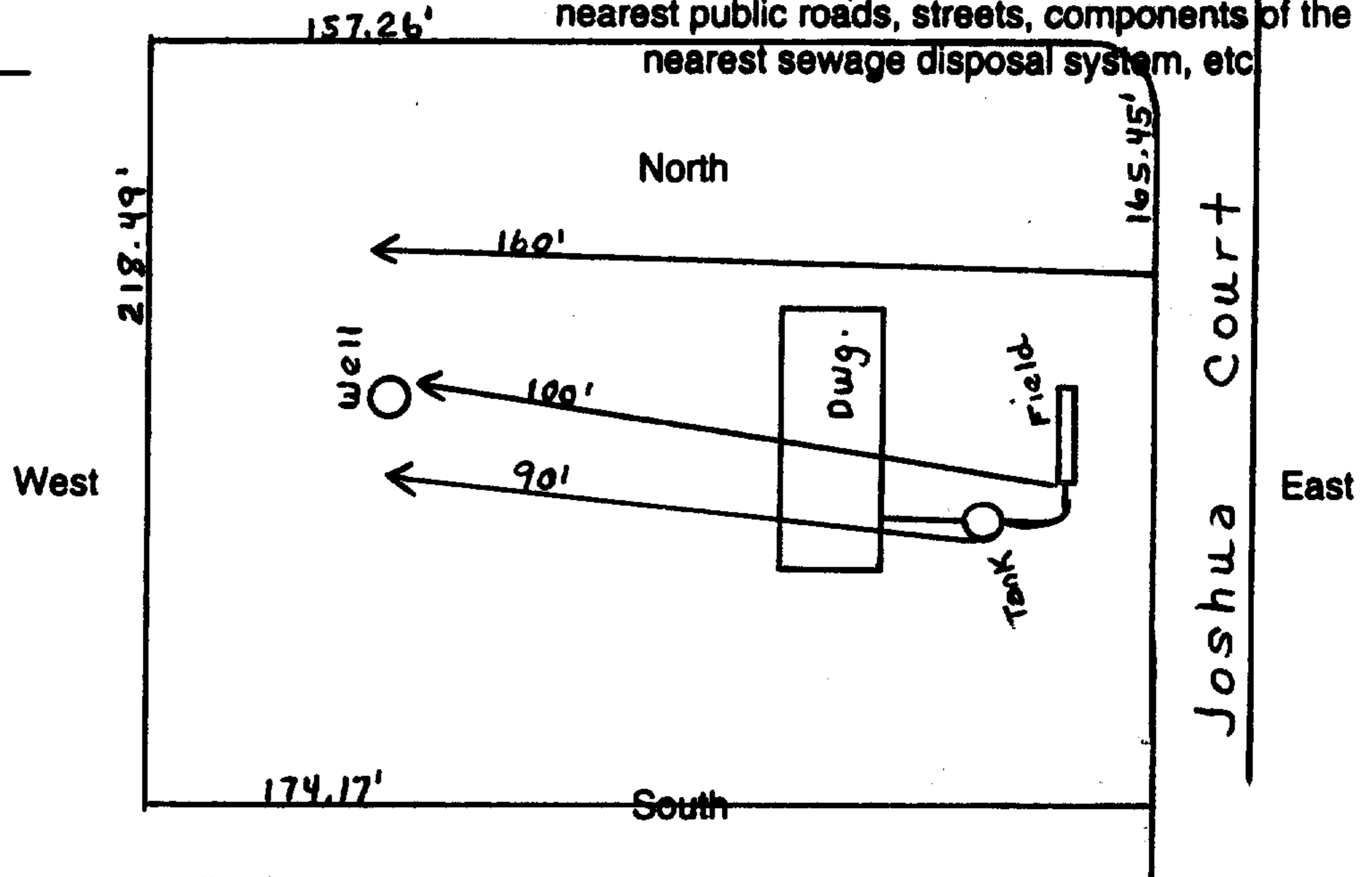
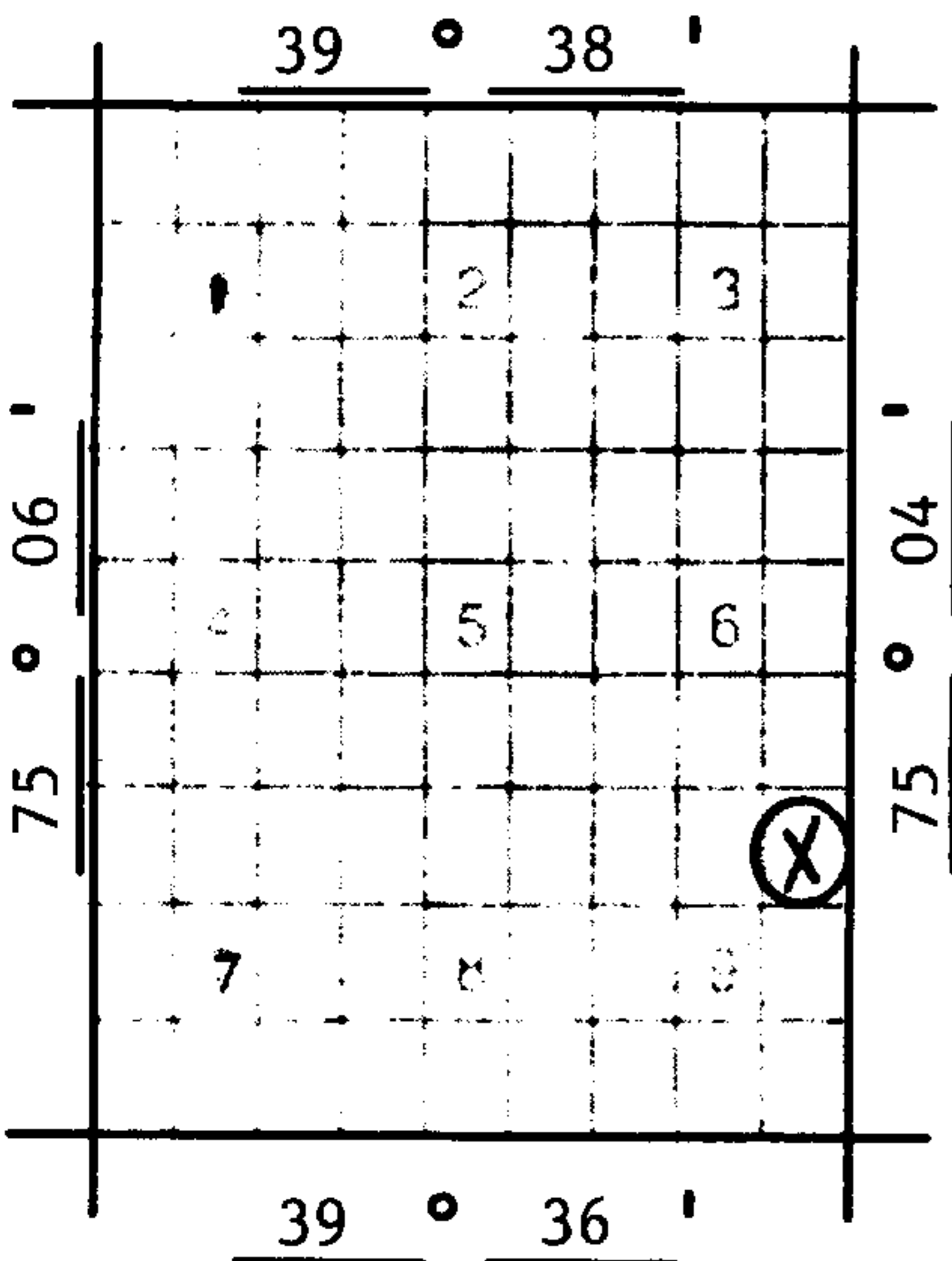
LOCATION OF WELL

Lot #	Block #	Municipality	County
8.01	4001	Franklin	Gloucester

Fries Mill Road

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc

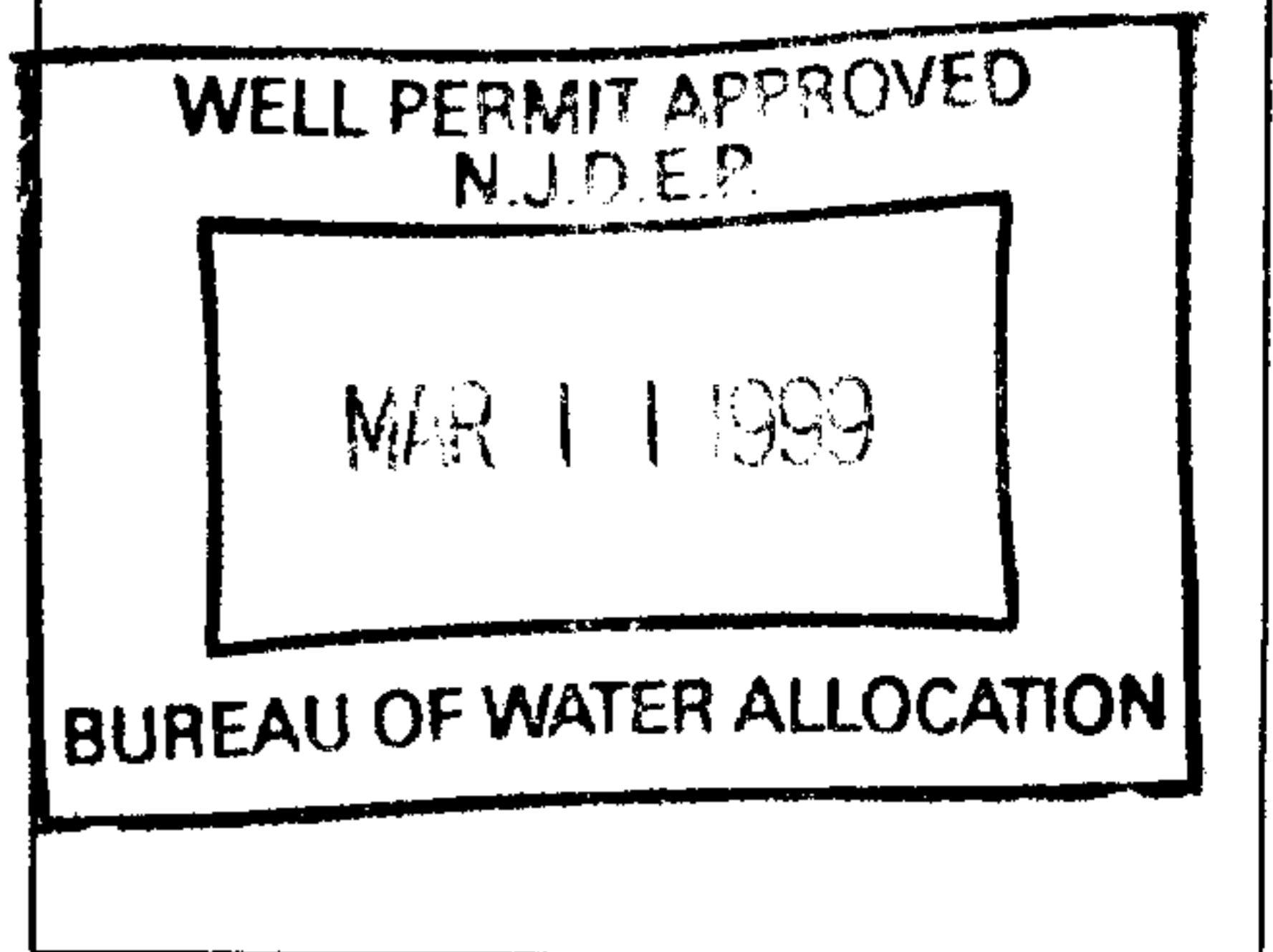
State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

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- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 3-4-99

Signature of Driller [Signature] Registration No. M0804

Signature of Property Owner [Signature] for E. Grochowski

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White

DWR-133  
(6/97)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Permit No. 3155489

Mail to  
NJDEP  
Bureau of Water Allocation  
P.O. Box 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31-32-793

Property Owner Ed Grochowski  
Address P.O. Box 383  
Franklinville, NJ 08322  
Name of Facility Same  
Address Joshua Court  
Franklin Twp., NJ

Driller Uni-Tech Drilling Co., Inc.  
Address 601 West Main Street  
Malaga, NJ 08328

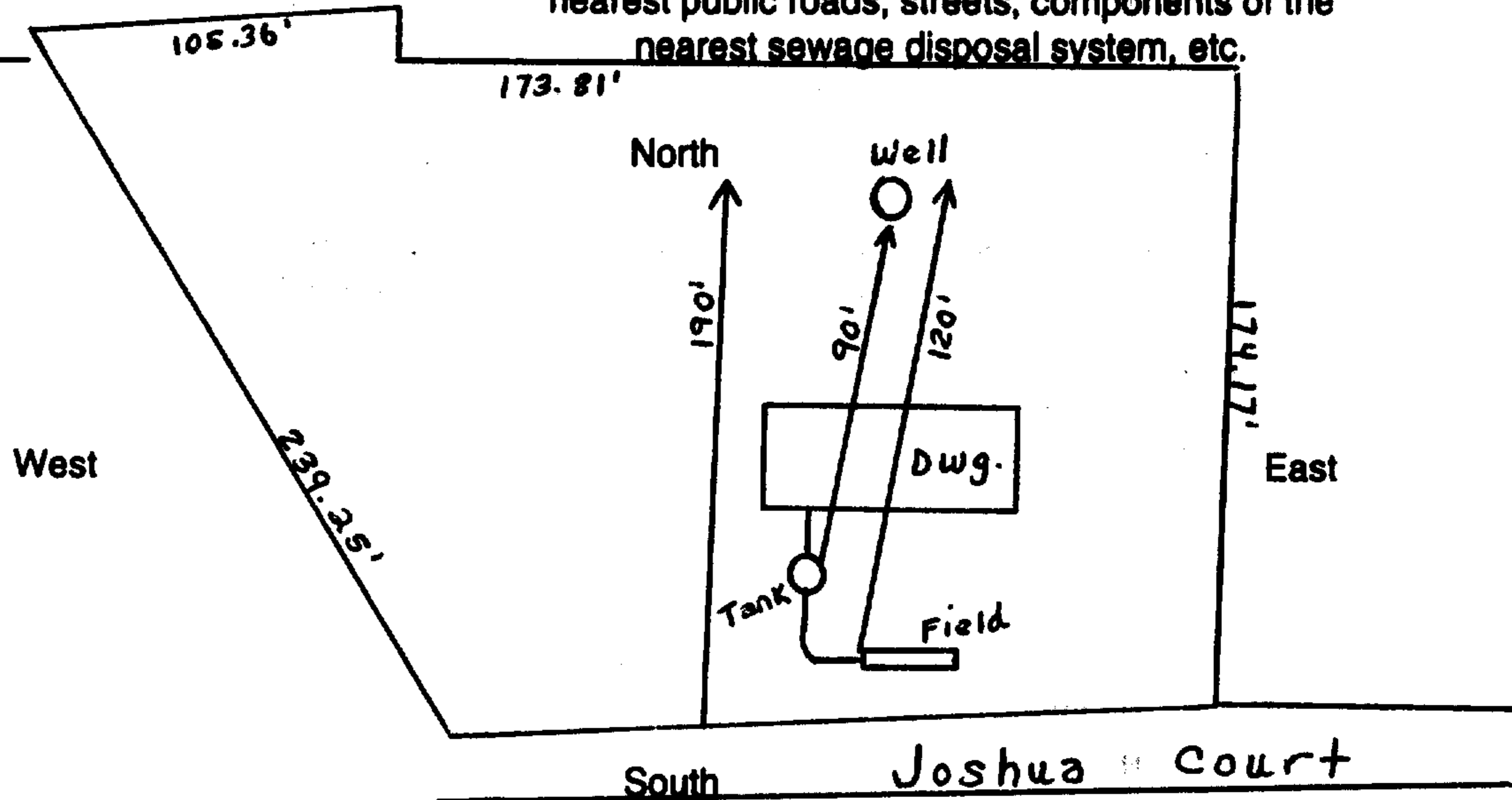
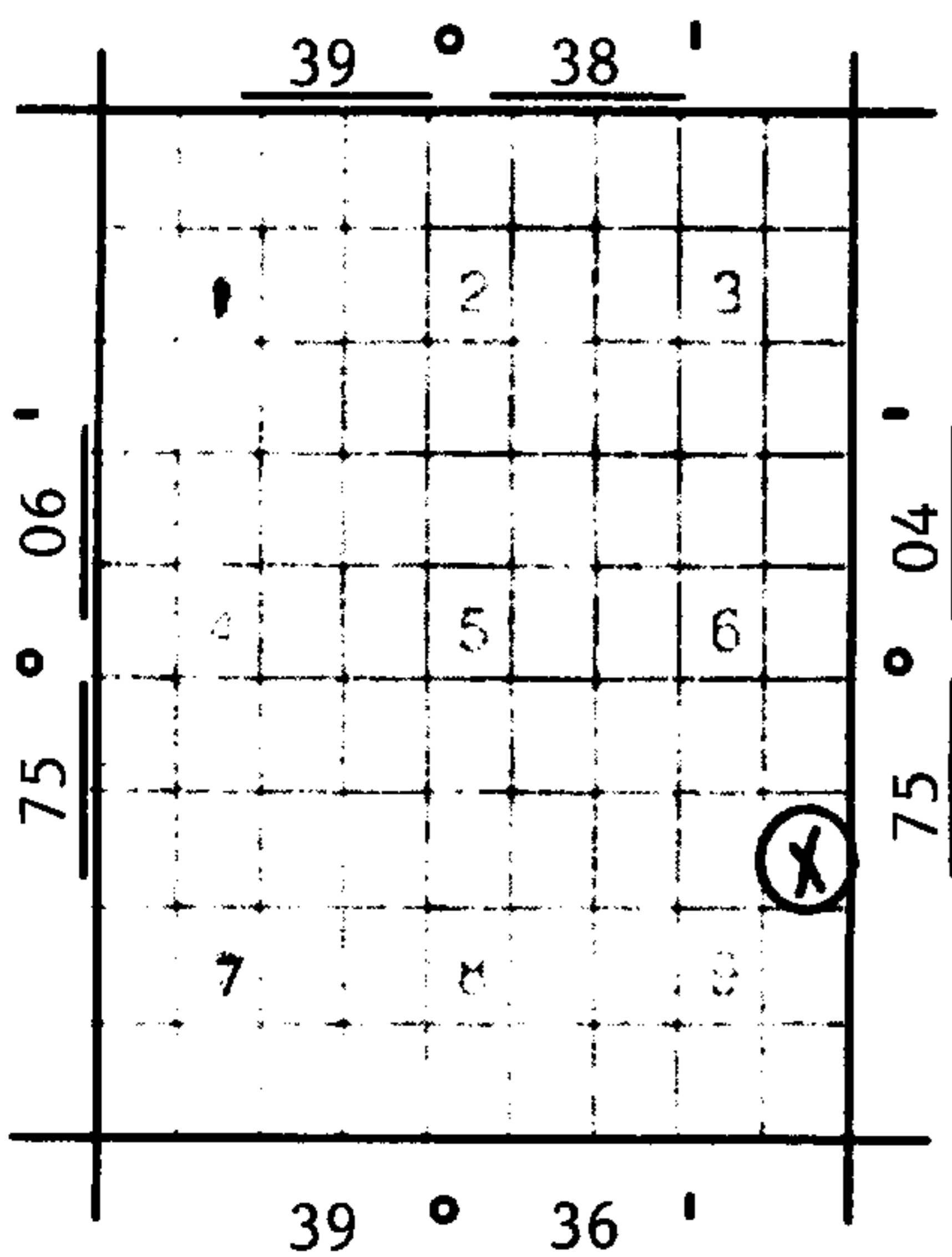
Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic		
Drinking Water Supply?	Yes	yes (see # 6 on reverse)	no

LOCATION OF WELL

Lot #	Block #	Municipality	County
8.02	4001	Franklin	Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

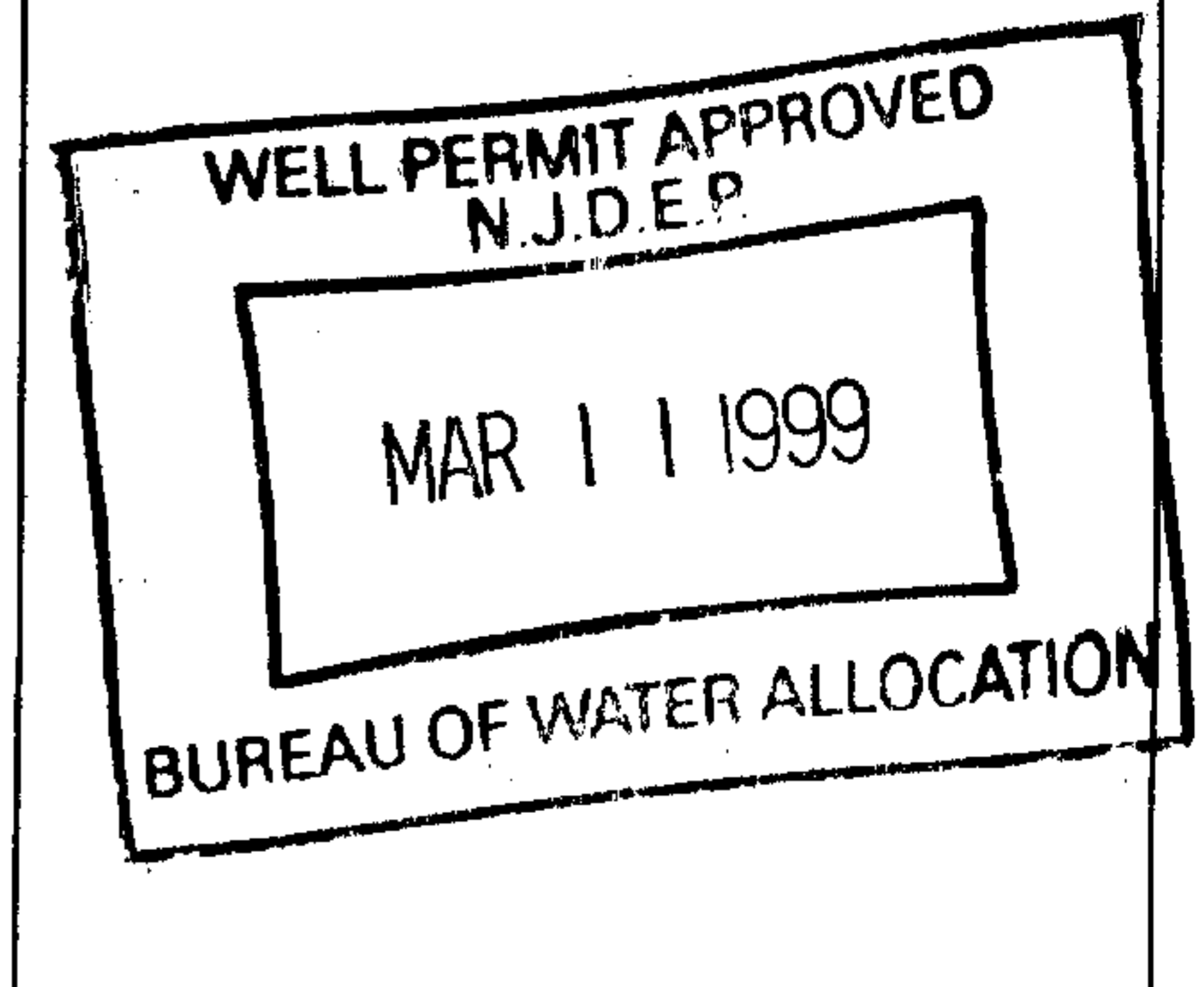
State Atlas Map No. 31



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- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 3-5-99

Signature of Driller William A. Jester Registration No. M0804

Signature of Property Owner Janine Morris for E. Grochowski

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



DWR-133  
(6/97)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Permit No. 3155490

Mail to  
NJDEP  
Bureau of Water Allocation  
P.O. Box 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.793

Property Owner Ed Grochowski  
Address P.O. Box 383  
Franklinville, NJ 08322

Driller Uni-Tech Drilling Co., Inc.  
Address 601 West Main Street  
Malaga, NJ 08328

Name of Facility Same  
Address Joshua Court  
Franklin Twp., NJ

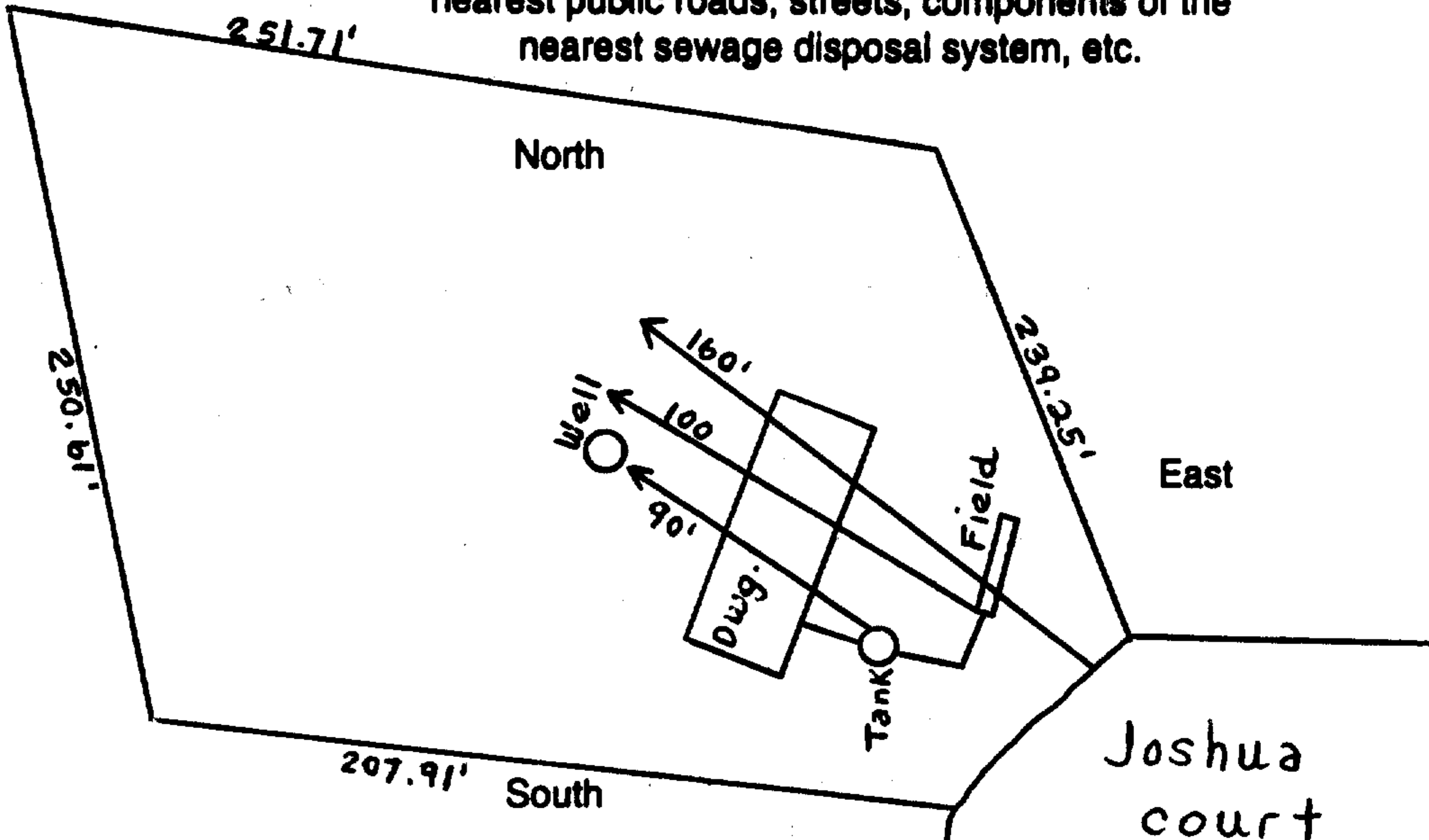
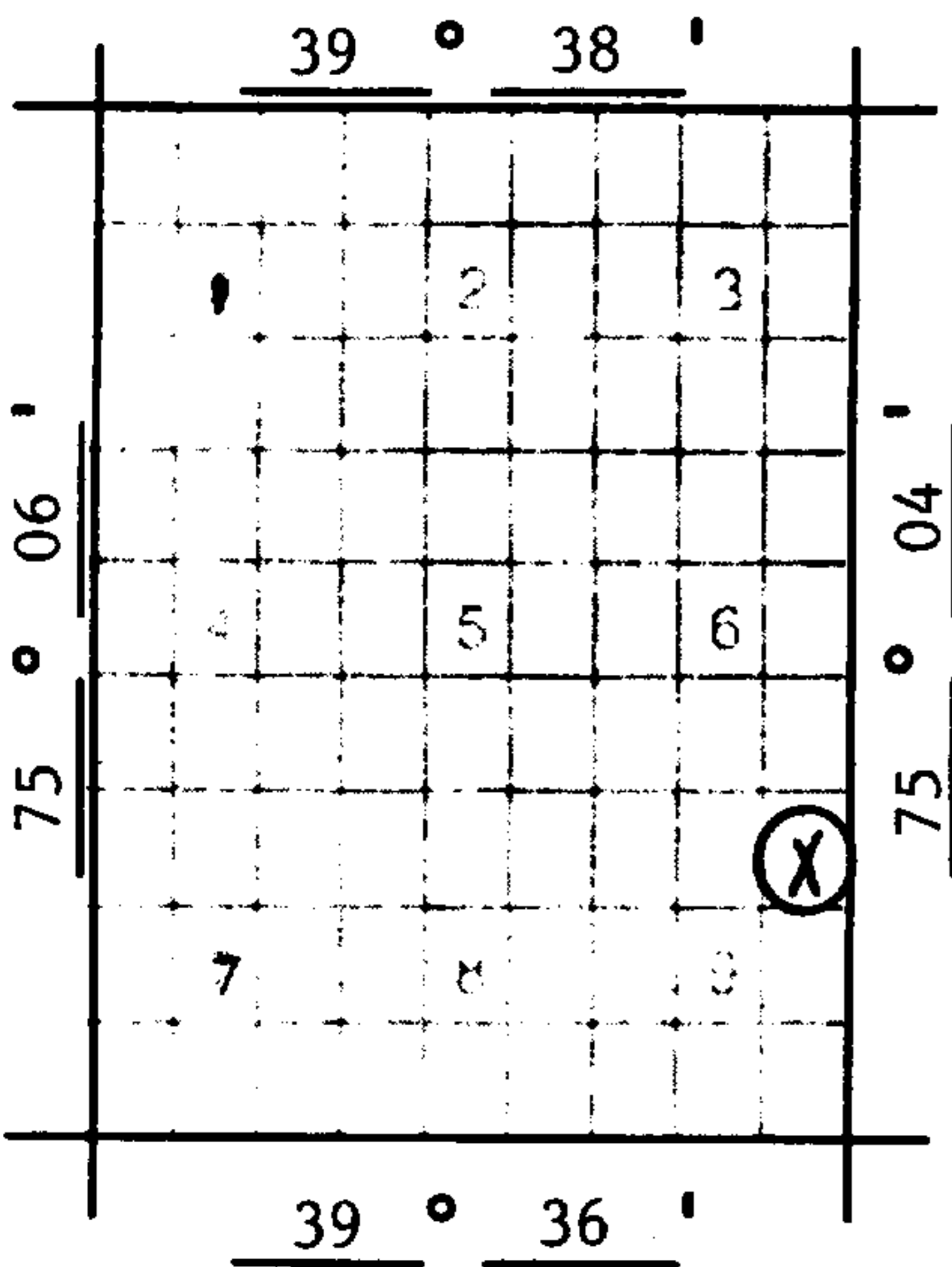
Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic		
Drinking Water Supply?	Yes	yes (see # 6 on reverse)	no

LOCATION OF WELL

Lot #	Block #	Municipality	County
8.03	4001	Franklin	Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

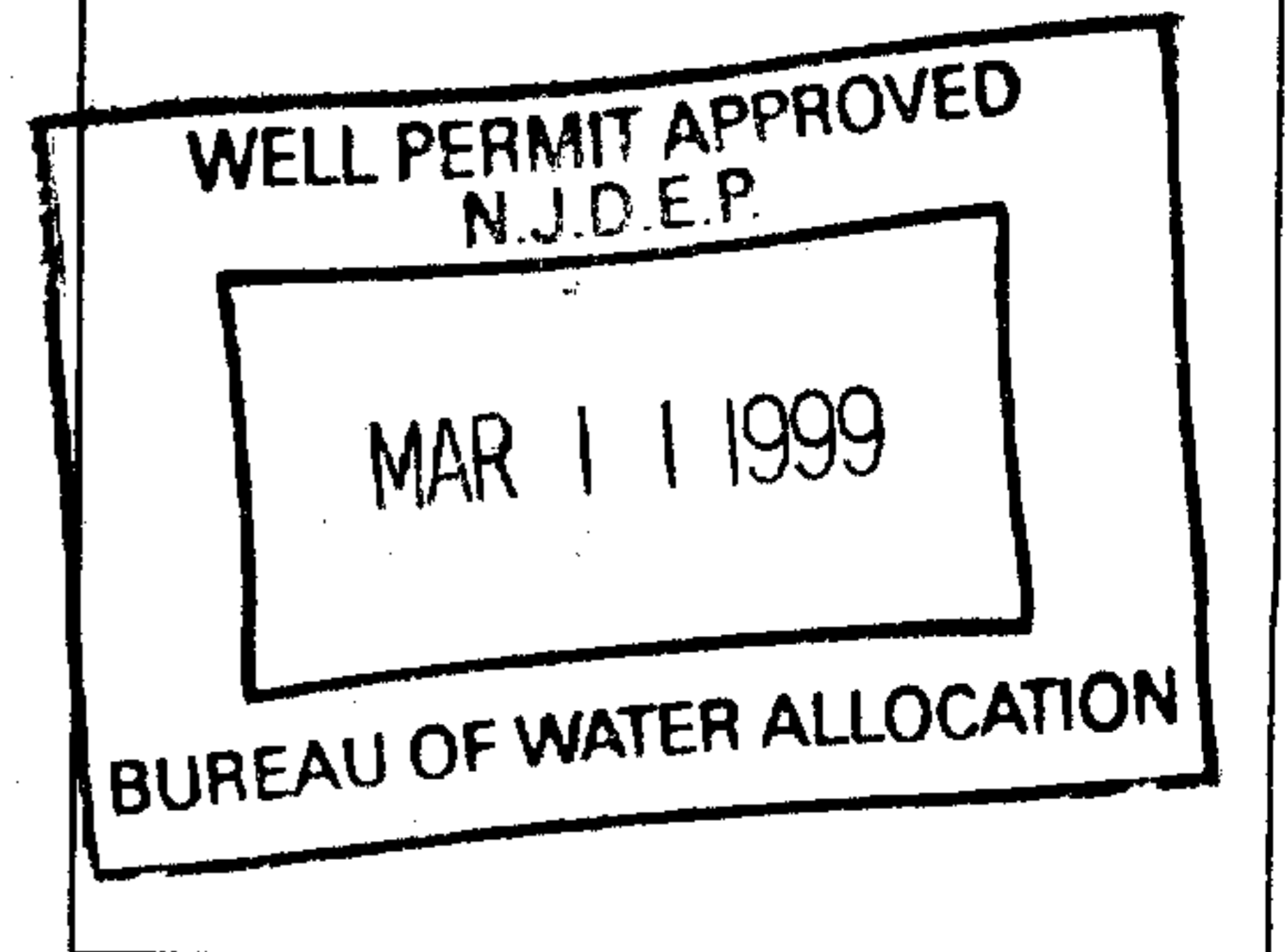
State Atlas Map No. 31



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This Space for Approval Stamp



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 3-5-99

Signature of Driller William A. Jester Registration No. M0804

Signature of Property Owner James Morris for E. Grochowski

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Permit No. 3155491

Mail to  
NJDEP  
Bureau of Water Allocation  
P.O. Box 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.793

Property Owner Ed Grochowski  
Address P.O. Box 383  
Franklinville, NJ 08322  
Name of Facility Same  
Address Joshua Court  
Franklin Twp., NJ

Driller Uni-Tech Drilling Co., Inc.  
Address 601 West Main Street  
Malaga, NJ 08328

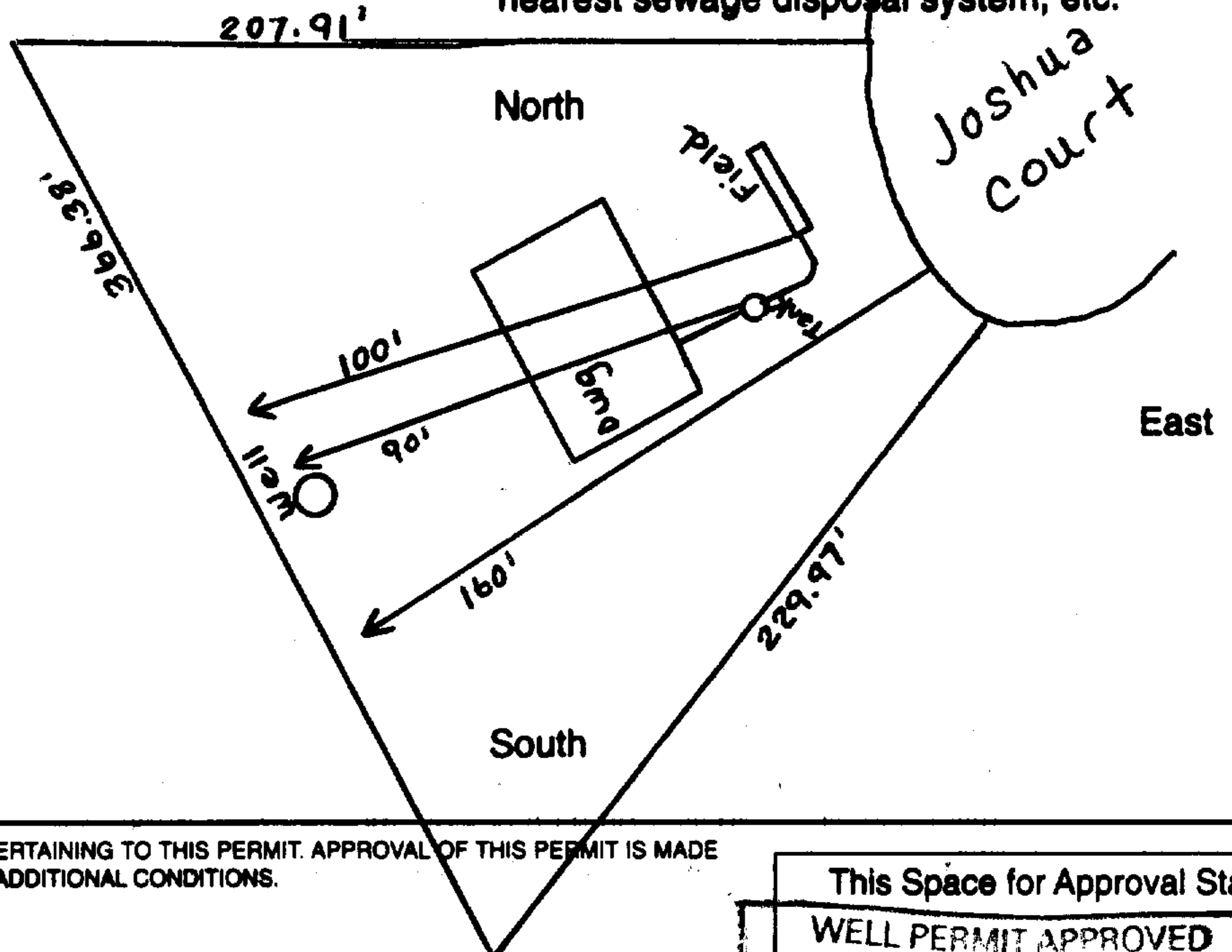
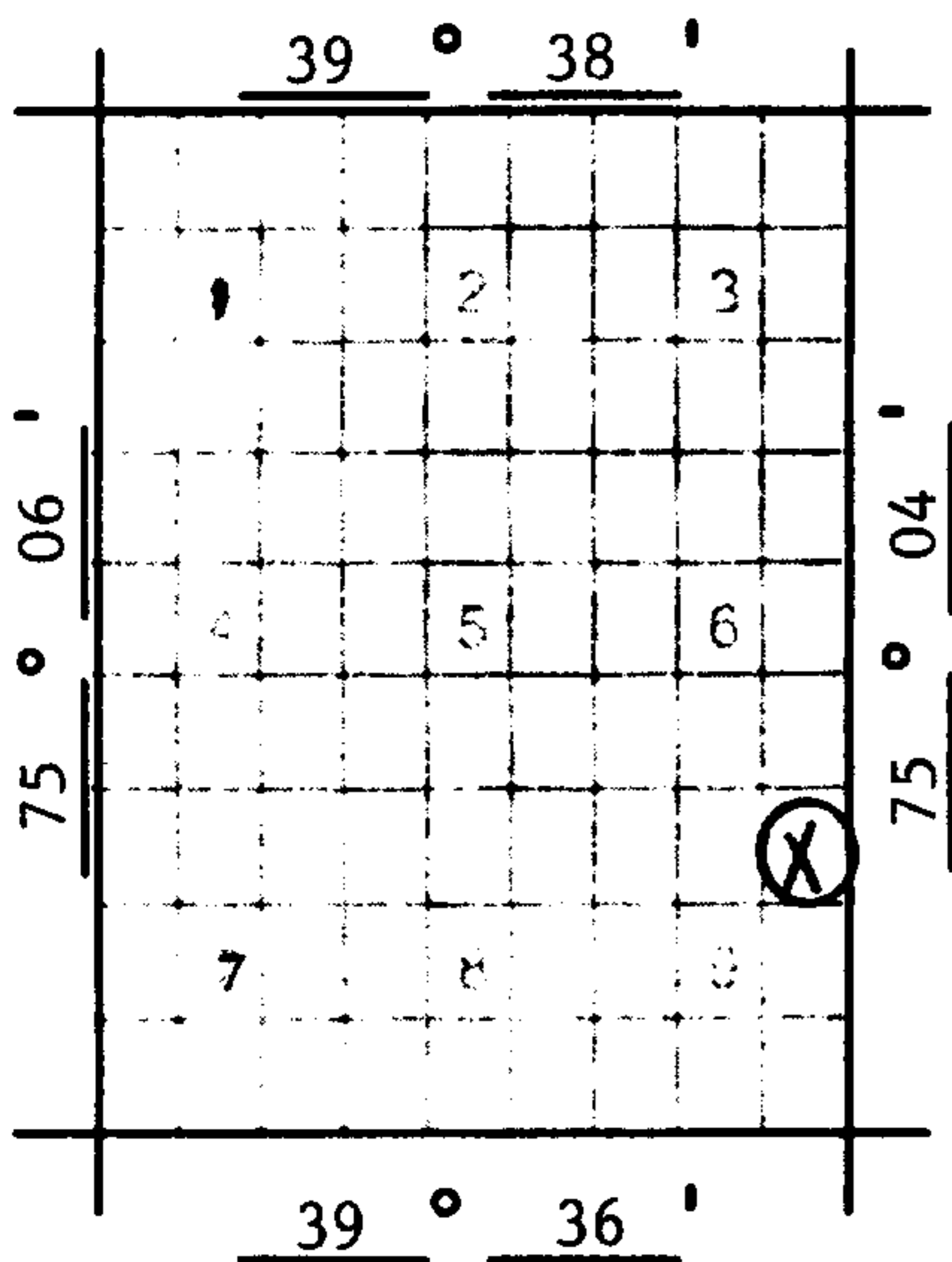
Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic		
Drinking Water Supply?	Yes	yes (see # 6 on reverse)	no

LOCATION OF WELL

Lot #	Block #	Municipality	County
8.04	4001	Franklin	Gloucester

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.

State Atlas Map No. 31



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- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

WELL PERMIT APPROVED  
NJDEP

MAR 11 1999

BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above

Date 3-5-99

Signature of Driller William A. Jester Registration No. M0804

Signature of Property Owner Janine Morio for E. Grochowski

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



DWR-133  
(6/97)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Permit No. 3155492

Mail to  
NJDEP  
Bureau of Water Allocation  
P.O. Box 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31.32.793

Property Owner Ed Grochowski  
Address P.O. Box 383  
Franklinville, NJ 08322  
Name of Facility Same  
Address Joshua Court  
Franklin Twp., NJ

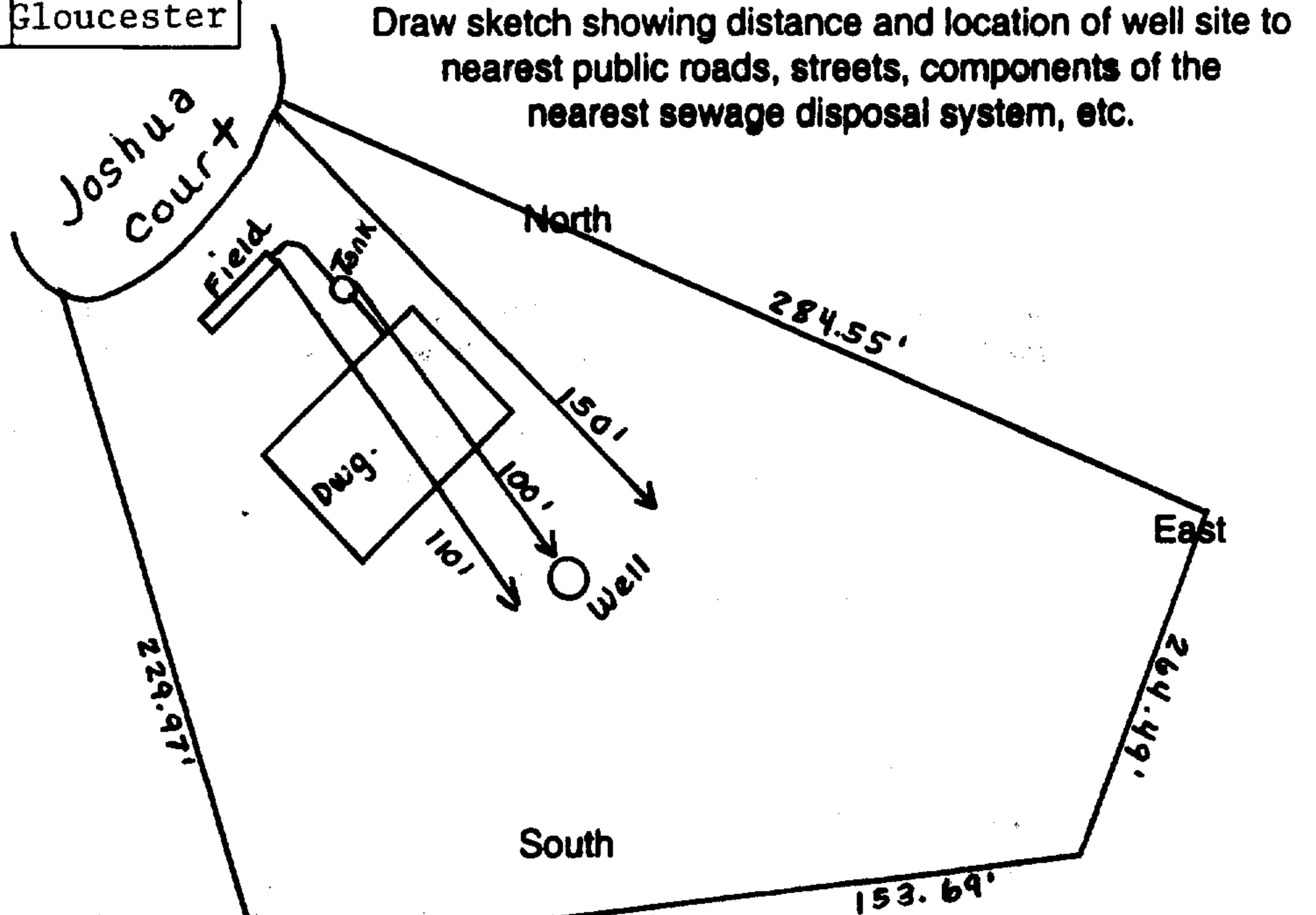
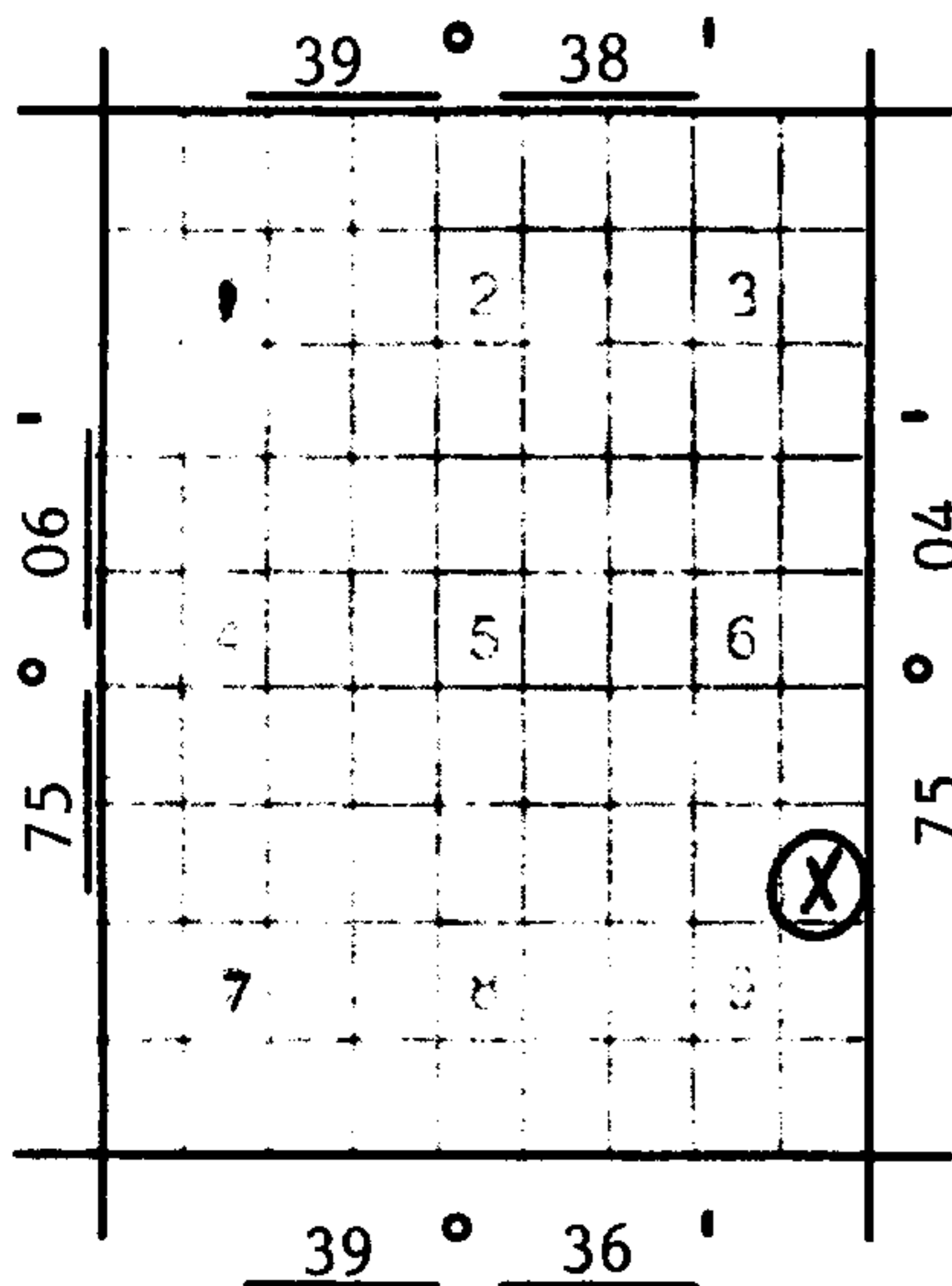
Driller Uni-Tech Drilling Co., Inc.  
Address 601 West Main Street  
Malaga, NJ 08328

Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic		
Drinking Water Supply?	Yes	yes (see # 6 on reverse)	no

LOCATION OF WELL

Lot #	Block #	Municipality	County
8.05	4001	Franklin	Gloucester

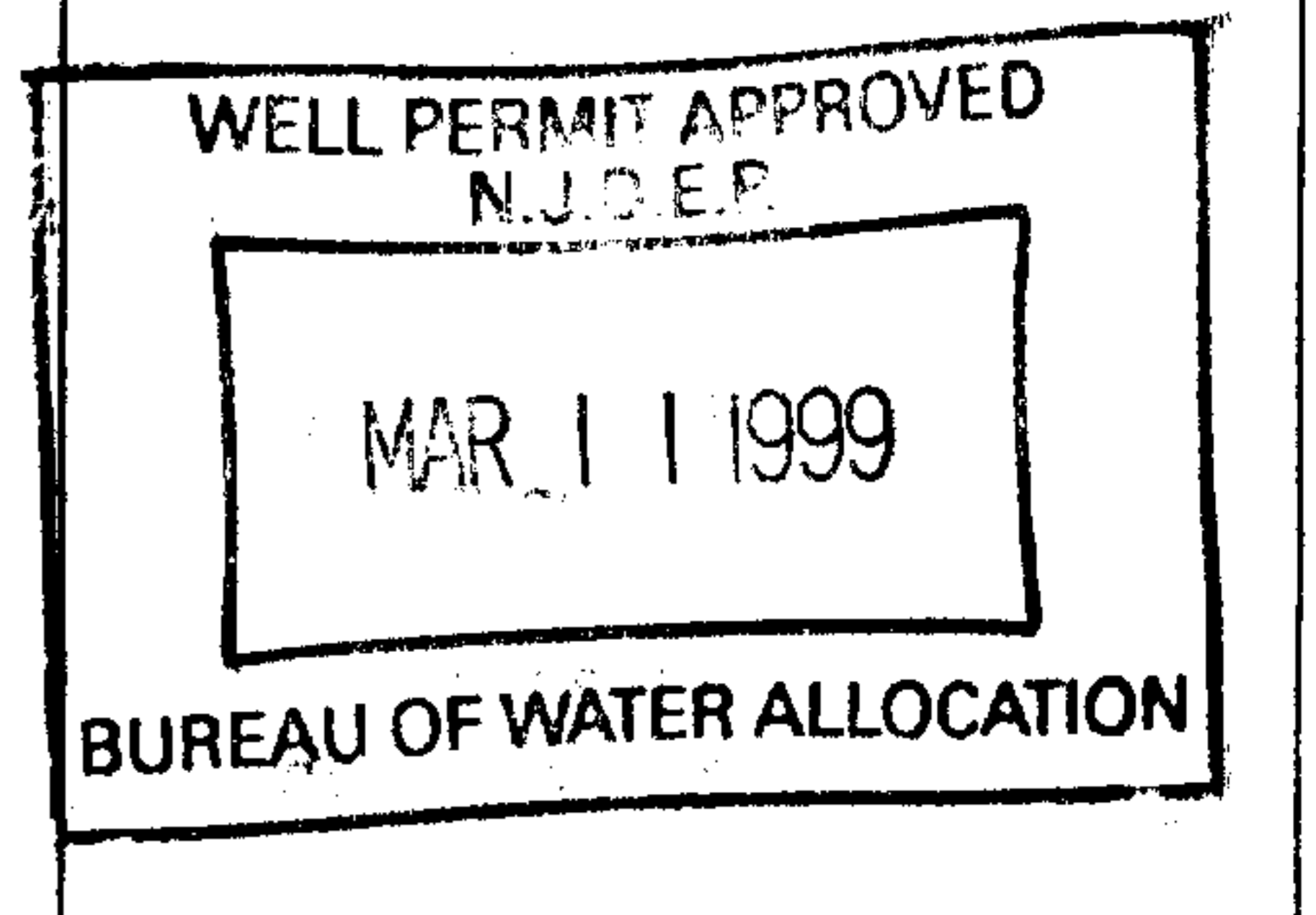
State Atlas Map No. 31



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Sale Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- CLOSED LOOP GEOTHERMAL - see attached conditions.
- OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- IRRIGATION PURPOSES ONLY  TEST PURPOSES ONLY
- PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s).
- The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 3-5-99

Signature of Driller [Signature] Registration No. M0804

Signature of Property Owner [Signature] for E. Grochowski

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



DWR-133  
(6/97)

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

Permit No. 3155493

Mail to  
NJDEP  
Bureau of Water Allocation  
P.O. Box 426  
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL 05

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 31 32 .7 93

Property Owner Ed Grochowski  
Address P.O. Box 383  
Franklinville, NJ 08322  
Name of Facility Same  
Address Joshua Court  
Franklin Twp., NJ

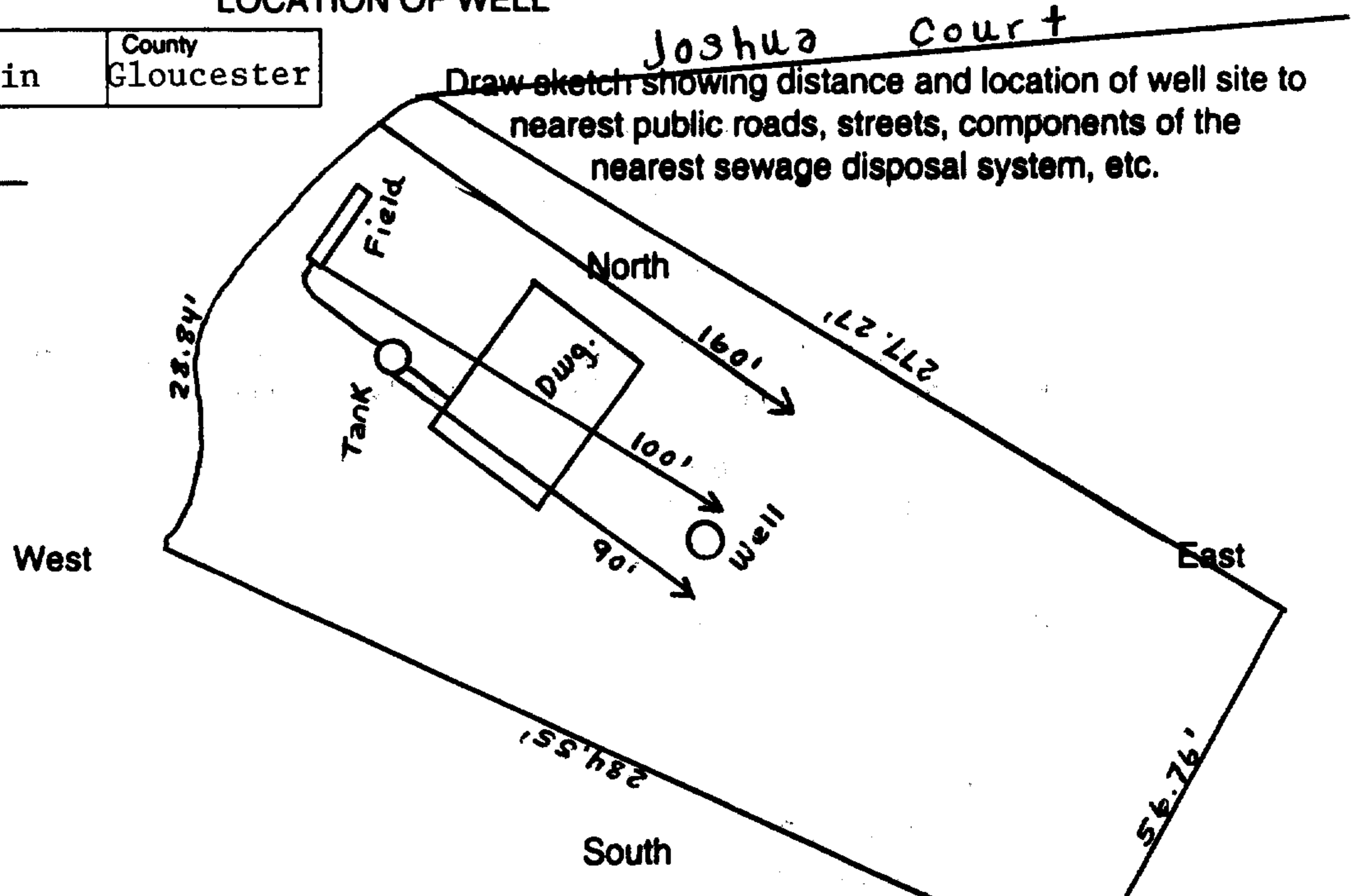
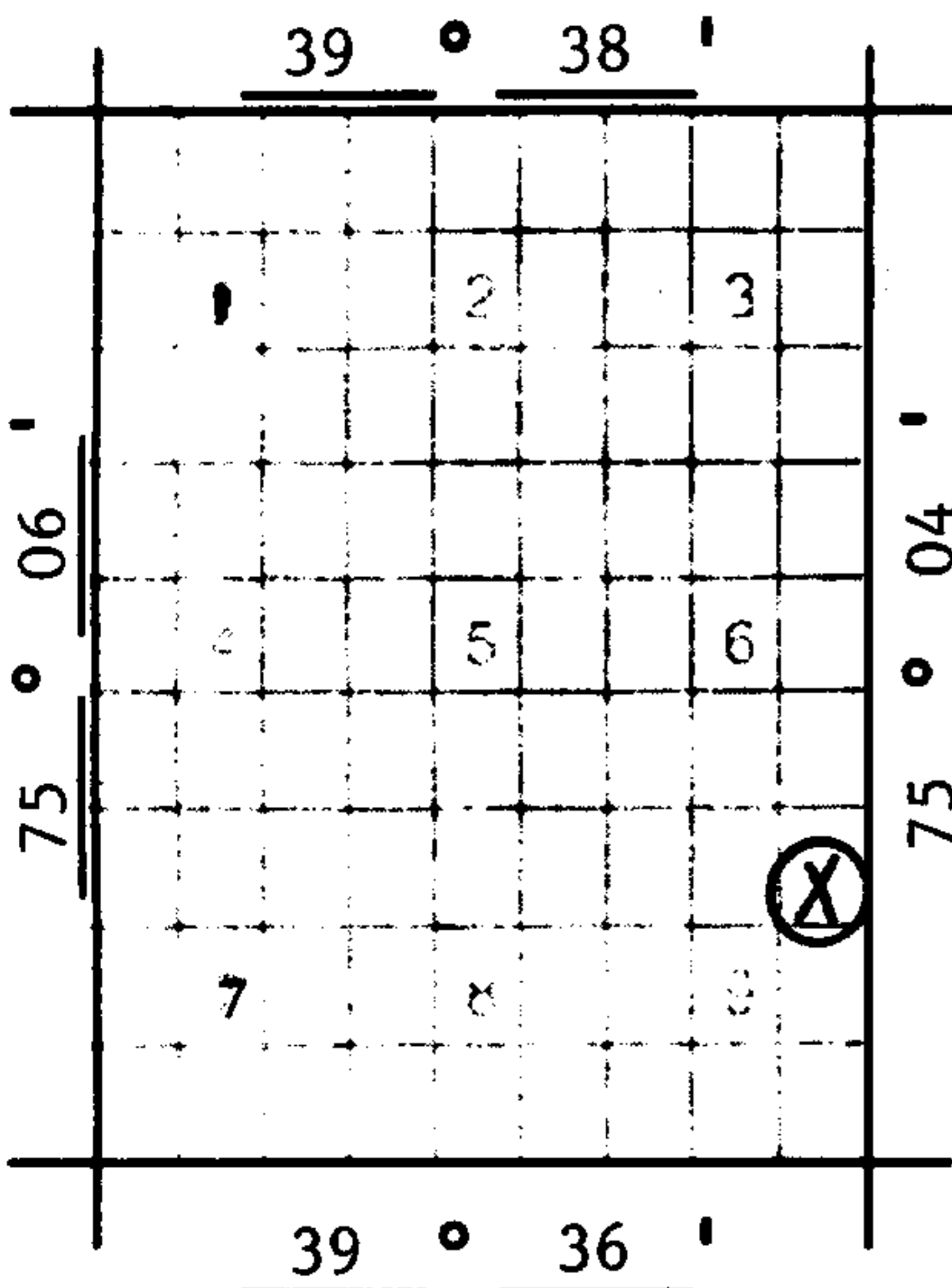
Driller Uni-Tech Drilling Co., Inc.  
Address 601 West Main Street  
Malaga, NJ 08328

Diameter of Well	4 Inches	Proposed Depth of Well	100 Feet
Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic		
Drinking Water Supply?	Yes	yes (see # 6 on reverse)	no

LOCATION OF WELL

Lot #	Block #	Municipality	County
8.06	4001	Franklin	Gloucester

State Atlas Map No. 31



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This Space for Approval Stamp

WELL PERMIT APPROVED  
N.J.D.E.P.

MAR 11 1999

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Signature of Property Owner Janine Morris for E. Grochowski

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White

DWR-133  
(6/97)

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DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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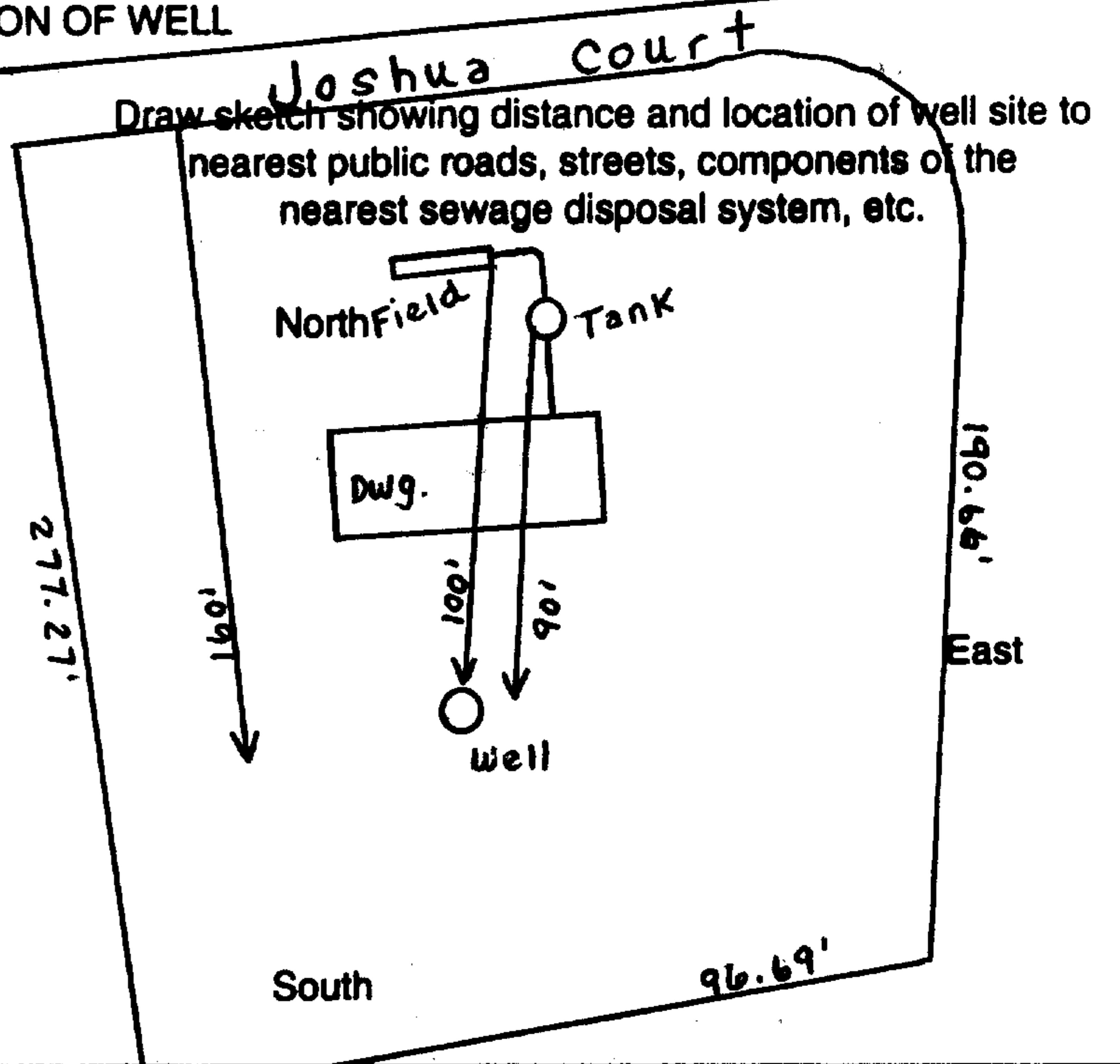
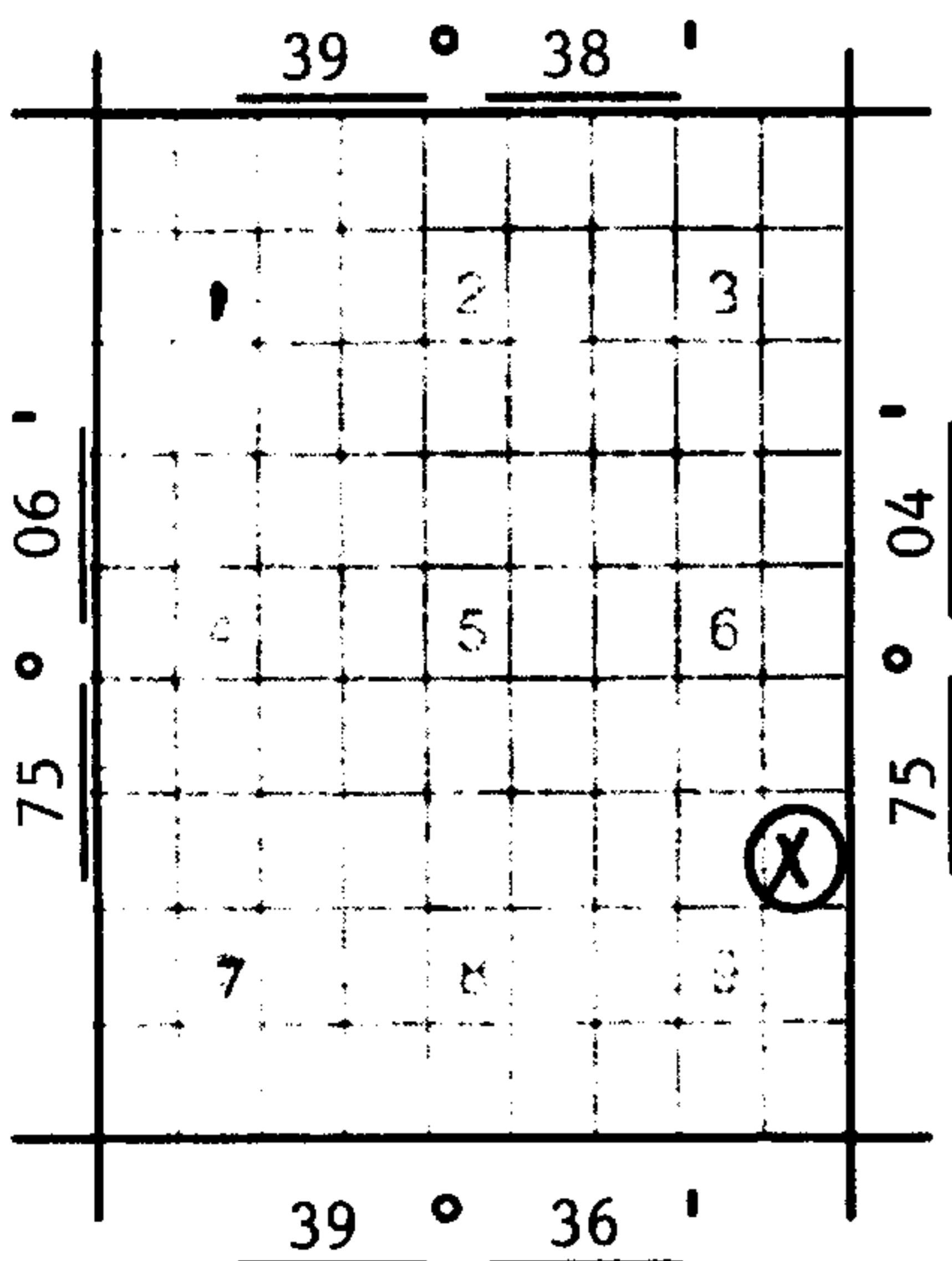
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Proposed Capacity of Pump	12 GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary
Use of Well (See Reverse)	Domestic		
Drinking Water Supply?	Yes	yes (see # 6 on reverse)	no

LOCATION OF WELL

Lot #	Block #	Municipality	County
8.07	4001	Franklin	Gloucester

State Atlas Map No. 31



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NJDEP

MAR 11 1999

BUREAU OF WATER ALLOCATION

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Date 3-5-99 Signature of Driller William A. Jeter Registration No. M0804  
Signature of Property Owner Armine Morris for E. Grochowski

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



**WELL RECORD**



Well Permit Number  
31 - 52085

Atlas Sheet Coordinates  
31 : 32 : 796

OWNER JIM SULLIVAN REAL ESTATE  
Address 1931 DELSEA DRIVE (ROUTE 47)  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS 1931 DELSEA DRIVE (ROUTE 47) Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 6 Block No. 4109

WELL USE NON PUBLIC

DATE WELL STARTED 8 / 14 / 97  
DATE WELL COMPLETED 8 / 14 / 97

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.  
Finished Well Depth 100 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
2 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+ 2	90	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>.020</u> )	90	100	4	PVC	Sch 40
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	85	100		#1 Morie	
Grout	0	85		Neat Cement Bentonite	_____ lbs <u>250</u> lbs

**RECORD OF TEST**

Test Date 8 / 14 / 97  
Static Water Level 25 ft. below land surface  
Water Level Measured Using M-SCOPE  
Pumping Water Level 25 ft. below land surface  
Well Was Pumped Using AIRLIFT  
Well Yield 25 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Pressure Tremie  
Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Uni-Tech Reg. No. JD13760  
Pump Type Submersible  
Depth of Pump below land surface 55 ft.  
Capacity 25 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING  
Well Driller (Print) George Edwards  
Driller's Signature George Edwards  
Registration No. JD13760 Date 9/5/97

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations.	
<u>0-23</u>	<u>MF orange sand</u>
<u>23-47</u>	<u>CMF Sand</u>
<u>47-55</u>	<u>white clay</u>
<u>55-73</u>	<u>MF Tan Sand</u>
<u>73-100</u>	<u>CMF Tan Sand</u>

**WELL RECORD**



Well Permit Number

31 - 52299

Atlas Sheet Coordinates

31 - 32 - 798

OWNER HAYES, HORANCE & NORMA

Address 85 CHAMPION RD.

City FRANKLINVILLE State NJ

Zip Code 08322

WELL LOCATION ADDRESS 85 CHAMPION RD. Owner's Well No. 31-52299

County GLOUCESTER Municipality FRANKLIN TWP Lot No. 11 Block No. 4116

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 9 / 22 / 97  
DATE WELL COMPLETED 9 / 22 / 97

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.

Finished Well Depth 100 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 in.

Well Casing Begins:

1.5 ft. above grade or

         ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (Inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	90	4	PVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	90	100	4	PVC	SCH 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	90	100	#2 Well	Gravel	
Grout	3	90		Neat Cement Bentonite	<u>        </u> lbs 280 lbs

**RECORD OF TEST**

Test Date 9 / 22 / 97

Static Water Level 20 ft. below land surface

Water Level Measured Using tape

Pumping Water Level 20 ft. below land surface

Well Was Pumped Using air

Well Yield 50 gpm

If Pump Tested: Discharge Rate N/A gpm

Duration of Test N/A hours

Grouting Method Pressure Grouted w/Tremie Pipe

Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Le Sage Reg. No. 1072

Pump Type Shallow Well Jet

Depth of Pump below land surface 0 ft.

Capacity 12 gpm Horsepower 1/2

*I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.*

Drilling Company ANDERSON'S WELL DRILLING

Well Driller (Print) Steven Carroll Supervised by Ronald K. Anderson

Driller's Signature Ronald K. Anderson da

Registration No. 980 Date 10 / 16 / 97

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations.	
0-10	Orange Coarse Sand
10-20	Orange Very Coarse Sand
20-30	Same
30-40	White Clay
40-60	Med to Fine Light Orange Sand
60-70	Coarse Yellow Sand
70-75	Soft Orange Clay
75-83	Fine Yellow Sand
83-86	Fine Yellow Sand
86-90	Fine to Med Yellow Sand
90-100	Med Coarse Yellow Sand









**WELL RECORD**

Well Permit Number  
31 - 53147

OWNER BAER, ROBERT & JOAN  
Address 1003 WILLIAMSTOWN RD  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

Atlas Sheet Coordinates  
31 : 32 : 795

WELL LOCATION ADDRESS 1003 WILLIAMSTOWN RD Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 8 Block No. 3504

WELL USE DOMESTIC REPLACEMENT DATE WELL STARTED 5, 16, 98  
DATE WELL COMPLETED 5, 16, 98

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.  
Finished Well Depth 95 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (Inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	80	4	Sch 40 PVC	
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	80	95	4	Sch 40 PVC	.020
Blank Casings (No. Used )					
Tail Piece	95	100	4	Sch 40 PVC	
Gravel Pack	75	100		#1 MORTAR	250lbs
Grout	3	75		Neat Cement Bentonite	300 lbs

**RECORD OF TEST** N/A

Test Date 1/1/  
Static Water Level 13 ft. below land surface  
Water Level Measured Using TAPE  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using \_\_\_\_\_  
Well Yield \_\_\_\_\_ gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Tremie  
Drilling Method Mud Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Joseph Jester Reg. No. JD1399  
Pump Type Submersible  
Depth of Pump below land surface 45 ft.  
Capacity 25 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING  
Well Driller (Print) Joseph Jester  
Driller's Signature Joseph Jester  
Registration No. JD1399 Date 7, 31, 98

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-1' Top soil  
1-4' orange C-M-F sand & gravel  
4-15' same  
15-40' Tan C-M-F sand  
40-49' Tan & white clay  
49-95' Tan C-M-F sand  
95-100' gray clay





**WELL RECORD**

Well Permit Number

31 - 53400

Atlas Sheet Coordinates

31 : 32 : 797

OWNER HALL, JOE

Address 200 EWAN RD.

City MULLICA HILL State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS HARRISONVILLE RICHWOOD RD Owner's Well No. \_\_\_\_\_

County GLOUCESTER Municipality SOUTH HARRISON Lot No. 9.02 Block No. 4

WELL USE DOMESTIC

DATE WELL STARTED 8/19/98  
DATE WELL COMPLETED 8/19/98

**WELL CONSTRUCTION**

Total Depth Drilled 170 ft.

Finished Well Depth 170 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
1 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (Inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1</u>	<u>155</u>	<u>4"</u>	<u>PVC</u>	<u>SCH 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>020</u> )	<u>155</u>	<u>165</u>	<u>4"</u>	<u>PVC</u>	<u>SCH 40</u>
Blank Casings (No. Used <u> )</u>					
Tail Piece	<u>165</u>	<u>170</u>	<u>4"</u>	<u>PVC</u>	<u>SCH 40</u>
Gravel Pack	<u>155</u>	<u>170</u>	<u>8"</u>	<u>#2 MORIE</u>	
Grout	<u>0</u>	<u>155</u>	<u>8"</u>	<u>Neat Cement Bentonite</u>	<u>500</u> lbs

**RECORD OF TEST**

Test Date 9/18/98  
Static Water Level 30 ft. below land surface  
Water Level Measured Using M SCOPE  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using AIR LIFT  
Well Yield 75 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method PRESSURE  
Drilling Method ROTARY

**PERMANENT PUMPING EQUIPMENT**

Installed by M.P. WALKER Reg. No. J1120  
Pump Type SUB  
Depth of Pump below land surface 50 ft.  
Capacity 12 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MICHAEL P. WALKER  
Well Driller (Print) SAME  
Driller's Signature Michael Walker  
Registration No. J1120 Date 9/28/98

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-1 TOPSOIL  
1-15 GREEN CLAY  
15-20 COARSE YEL GRAVEL  
20-70 BROWN CLAY  
70-95 LIMESTONE  
95-135 BLK. SAND & GREEN CLAY  
135-170 MT. LAUREL SAND



**WELL RECORD**

Well Permit Number  
51 - 53777

OWNER CALL, GREG  
Address 916 PORCHTOWN ROAD  
FRANKLINVILLE NJ  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Atlas Sheet Coordinates  
31: 42 : 133

WELL LOCATION ADDRESS 916 PORCHTOWN ROAD  
County GLOUCESTER Municipality FRANKLIN TWP Owner's Well No. 3503  
Lot No. \_\_\_\_\_ Block No. \_\_\_\_\_

WELL USE IRRIGATION

DATE WELL STARTED \_\_\_\_\_  
DATE WELL COMPLETED \_\_\_\_\_

**WELL CONSTRUCTION**

Total Depth Drilled 60 ft.  
Finished Well Depth 60 ft.  
Borehole Diameter: Driven  
Top \_\_\_\_\_ in.  
Bottom \_\_\_\_\_ in.  
Well Casing Begins:  
3 ft. above grade or  
↓ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>0</u>	<u>55</u>	<u>2</u>	<u>Steel</u>	
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>55</u>	<u>60</u>	<u>2</u>	<u>Steel</u>	
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>None Driven</u>				
Grout				Neat Cement _____ lbs Bentonite _____ lbs	

**RECORD OF TEST**

Test Date 7/1  
Static Water Level 5 ft. below land surface  
Water Level Measured Using \_\_\_\_\_  
Pumping Water Level 20 ft. below land surface  
Well Was Pumped Using Jet pump  
Well Yield 10 gpm  
If Pump Tested: Discharge Rate 10 gpm  
Duration of Test 1 hours

Grouting Method ?  
Drilling Method Driven

**PERMANENT PUMPING EQUIPMENT**

Installed by 7 Reg. No. \_\_\_\_\_  
Pump Type \_\_\_\_\_  
Depth of Pump below land surface \_\_\_\_\_ ft.  
Capacity \_\_\_\_\_ gpm Horsepower \_\_\_\_\_

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company SOUTH JERSEY WELL DRILLING  
Well Driller (Print) Domenick Rustuccio  
Driller's Signature [Signature]  
Registration No. 1233 Date 7/14/98

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

None

**WELL RECORD**

Well Permit Number

31 - 54863

Atlas Sheet Coordinates

31 32 : 795

OWNER PATTERSON, BOB

Address 71 HALE AVE.

City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS 71 HALE AVE. Owner's Well No. 2

County GLOUCESTER Municipality FRANKLIN TWP Lot No. 2 Block No. 4112

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 11, 21, 98

DATE WELL COMPLETED 11, 21, 98

**WELL CONSTRUCTION**

Total Depth Drilled 75 ft.

Finished Well Depth 74 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
1 ft. above grade or  
       ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1</u>	<del>64</del>	<u>4</u>	<u>PVC</u>	<u>40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>64</u>	<u>74</u>	<u>4</u>	<u>PVC 020</u>	<u>40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>54</u>	<u>74</u>	<u>1</u>		
Grout	<u>0</u>	<u>54</u>		Neat Cement Bentonite	<u>150</u> lbs

**RECORD OF TEST**

Test Date 11, 22, 98

Static Water Level 10 ft. below land surface

Water Level Measured Using M-Scope

Pumping Water Level 13 ft. below land surface

Well Was Pumped Using Sub

Well Yield 10 gpm

If Pump Tested: Discharge Rate 10 gpm

Duration of Test 15 hours

**PERMANENT PUMPING EQUIPMENT**

Installed by Charles Kramer Reg. No. 1060

Pump Type Sub

Depth of Pump below land surface 40 ft.

Capacity 10 gpm Horsepower 1.5

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company EASTERN DRILG. - CHARLES KRAMER

Well Driller (Print) Charles Kramer

Driller's Signature Charles Kramer

Registration No. 1060 Date 12, 8, 98

Grouting Method Temporary  
Drilling Method Med Rotary

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-1 Top Soil  
1-13 Med Sand  
13-16 Med Clay  
16-52 med Sand  
52-56 Clay  
56-75 Med fm Sand



**WELL RECORD**

3311793  
31.32.794

1. OWNER AYRES, MONTE ADDRESS RD #2, BOX 7, S. DELSEA DRIVE

Owner's Well No. \_\_\_\_\_ SURFACE ELEVATION \_\_\_\_\_ Feet  
(Above mean sea level)

2. LOCATION Lot: 14A Block: 128 Municipality: Franklin Twp.

3. DATE COMPLETED 4/28/83 DRILLER Vance Skinner

4. DIAMETER: Top 7 7/8 inches Bottom 7 7/8 inches TOTAL DEPTH 140 Feet

5. CASING: Type PVC (sch. 40) Diameter 4 Inches Length 130 Feet

6. SCREEN: Type PVC Size of Opening .020 Diameter 4 Inches Length 10 Feet

Range in Depth { Top 130 Feet  
Bottom 140 Feet

Geologic Formation Cohansey

Tail Piece: Diameter \_\_\_\_\_ Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY N/A Gallons per minute at \_\_\_\_\_ Feet above surface

Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date N/A Yield \_\_\_\_\_ Gallons per minute

Static water level before pumping \_\_\_\_\_ Feet below surface

Pumping level \_\_\_\_\_ feet below surface after \_\_\_\_\_ hours pumping

Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How pumped \_\_\_\_\_ How measured \_\_\_\_\_

Observed effect on nearby wells \_\_\_\_\_

9. PERMANENT PUMPING EQUIPMENT:

Type Hooked up to existing system Mfrs. Name \_\_\_\_\_

Capacity \_\_\_\_\_ G.P.M. How Driven \_\_\_\_\_ H.P. \_\_\_\_\_ R.P.M. \_\_\_\_\_

Depth of Pump in well \_\_\_\_\_ Feet Depth of Footpiece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR Residential - replacement AMOUNT { Average \_\_\_\_\_ Gallons Daily  
Maximum \_\_\_\_\_ Gallons Daily

11. QUALITY OF WATER N/A Sample: Yes  No \_\_\_\_\_

Taste \_\_\_\_\_ Odor \_\_\_\_\_ Color \_\_\_\_\_ Temp. \_\_\_\_\_ °F.

12. LOG On back Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA Vance Skinner Co. Inc. Well Records

14. DATA OBTAINED BY Wm. V. Skinner Date 5/2/83

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

0 ft. to 27 ft. Topsoil - Gravel - Orange to pale yellowish orange, fine to pebble size, quartzose little to some feldspar, stained grains sub-angular to rounded. Orange clay matrix.

27 ft. to 30 ft. More clayey w/strips white clay.

30 ft. to 35 ft. Intercalated thin clayey seams

35 ft. to 70 ft. Sand - pale yellowish orange, very fine to fine grain uniform quartzose-subangular trace of yellow clay. Grading, very fine grained at 65 ft, grading, non-uniform fine to coarse grain.

70 ft. to 107 ft. Grading, clayey & very fine to med. grained.

107 ft. to 112 ft. Clay - white - little orange.

112 ft. to 116 ft. Clay-sand.

116 ft. to 120 ft. Gray - fat to silty.

120 ft. to 133 ft. Sand - yellowish orange med. to coarse gr. granular quartzose stained grains sub-angular, grading med. grain plus grayish orange, grading.

133 ft. to 140 ft. Fine Gravel - Yellowish orange to pale yellowish orange, fine to granule size. Qtzose - minor to little feldspar sub-angular stained grains.

SET WELL AT 140 FT.

3111793  
31.32.794

MAY 03 1983



WELL RECORD

3120930  
31.32.795

1. OWNER HOLLOWAY, DAVID B. ADDRESS 596 CLAYTON RD.

Owner's Well No. 31-20930 SURFACE ELEVATION 110-140 Feet  
(Above mean sea level)

2. LOCATION Lot: 1E Block: 97C Municipality: Franklin Twp.

3. DATE COMPLETED \_\_\_\_\_ DRILLER Ruggiano Well Drilling

4. DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH 124 Feet

5. CASING: Type SCHUBO PLASTIC Diameter 4 Inches Length 114 Feet

6. SCREEN: Type PLASTIC Size of Opening 60 Diameter 4 Inches Length 10 Feet

Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet

Geologic Formation GRAVEL-SAND-CLAY-STONE SAND

Tail Piece: Diameter \_\_\_\_\_ Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per minute at \_\_\_\_\_ Feet above surface

Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date \_\_\_\_\_ Yield \_\_\_\_\_ Gallons per minute

Static water level before pumping 28 Feet below surface

Pumping level \_\_\_\_\_ feet below surface after \_\_\_\_\_ hours pumping

Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How pumped \_\_\_\_\_ How measured \_\_\_\_\_

Observed effect on nearby wells \_\_\_\_\_

9. PERMANENT PUMPING EQUIPMENT:

Type JBT-SUB-PUMP Mfrs. Name MYERS

Capacity 12 G.P.M. How Driven ELECTRIC H.P. 1 R.P.M. 4200

Depth of Pump in well 60 Feet Depth of Footpiece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR COMMERCIAL - (OFFICES TWO) AMOUNT { Average 500 Gallons Daily  
Maximum 500 Gallons Daily

11. QUALITY OF WATER Good Sample: Yes \_\_\_\_\_ No \_\_\_\_\_

Taste Good Odor NO Color CLEAR Temp. \_\_\_\_\_ °F.

12. LOG \_\_\_\_\_ Are samples available? YES  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA GLoucester Co - D+M BUILDERS

14. DATA OBTAINED BY QUALITY CONTROL Date 9/84

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)



**WELL RECORD**

*3122634*  
*31.32.795*

1. OWNER PROGRESSIVE FUEL CO., INC. ADDRESS BOX 278, S. DELSEA DR.

Owner's Well No. \_\_\_\_\_ SURFACE ELEVATION \_\_\_\_\_ Feet

2. LOCATION Lot: 2 Block: 93 Municipality: Franklin Twp. (Above mean sea level)

3. DATE COMPLETED 3/14/85 DRILLER D'Agostino Well Drilling

4. DIAMETER: Top 8 inches Bottom 8 inches TOTAL DEPTH 95 Feet

5. CASING: Type PVC Diameter 4 Inches Length 85 Feet

6. SCREEN: Type PVC Size of Opening slot Diameter 3 Inches Length 10 Feet

Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet Geologic Formation \_\_\_\_\_

Tail Piece: Diameter \_\_\_\_\_ Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per minute at \_\_\_\_\_ Feet above surface

Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date DID NOT TEST Yield \_\_\_\_\_ Gallons per minute

Static water level before pumping 11 Feet below surface

Pumping level \_\_\_\_\_ feet below surface after \_\_\_\_\_ hours pumping

Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How pumped \_\_\_\_\_ How measured \_\_\_\_\_

Observed effect on nearby wells \_\_\_\_\_

9. PERMANENT PUMPING EQUIPMENT:

Type Submersible Mfrs. Name Jacuzzi

Capacity 25 G.P.M. How Driven electric H.P. 1 R.P.M. 3450

Depth of Pump in well \_\_\_\_\_ Feet Depth of Footpiece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR Domestic AMOUNT { Average \_\_\_\_\_ Gallons Daily  
Maximum \_\_\_\_\_ Gallons Daily

11. QUALITY OF WATER Good Sample: Yes \_\_\_\_\_ No \_\_\_\_\_

Taste Good Odor \_\_\_\_\_ Color \_\_\_\_\_ Temp. \_\_\_\_\_ °F.

12. LOG \_\_\_\_\_ Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA D'Agostino Well Drilling, Inc.

14. DATA OBTAINED BY \_\_\_\_\_ Date \_\_\_\_\_

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

31.32.795

31-22634

NAME Progressive Fuel Oil Co. Inc. LOCATION South Delco Dr. Franklenville  
Box 278 08322.

3122634  
31.32.795

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL COLOR	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Travel.		Reddish	Packed.	0"	5'
Sand.		D. Brown.	Med to Fine	5'	20'
Sand.	Bit of clay	Brown.	Med to Fine	20'	40'
Sand.		Brown.	Med to Fine	40'	60'
Clay	Fine Sand.	Black.	Sticky to Fine	60'	75'
Sand.	Streak of clay	D. Gray	Med to Fine	75'	85'
Sand.		L. Gray	Med to Fine	85'	95'
sand.	Wood.	D. Brown.		95'	105'

Distance out from building 15 Ft.  
 Distance offset right      Ft. Left      Ft. from sides of building  
 Well Depth 95' Casing diameter 4" Screen Length 10'  
 Static level 11'



STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

COORD: 31-32-794

E

PERMIT NO. 31-22868

APPLICATION NO. \_\_\_\_\_

COUNTY GLoucester

WELL RECORD

3122686  
31.32.794

1. OWNER Douglas Builders ADDRESS RD 1 Box 1714 Franklinville, N. J.

Owner's Well No. #1 SURFACE ELEVATION \_\_\_\_\_ Feet  
(Above mean sea level)

2. LOCATION Lot; \_\_\_\_\_ Block; \_\_\_\_\_ Municipality; \_\_\_\_\_

3. DATE COMPLETED 4-26-85 DRILLER Jim Mesiano, Inc.

4. DIAMETER: Top 6 inches Bottom 6 inches TOTAL DEPTH 60 Feet

5. CASING: Type F480-PVC Diameter 2 Inches Length 55 Feet

6. SCREEN: Type PVC Size of Opening #20 Diameter 2 Inches Length 5 Feet

Range in Depth { Top 55 Feet  
Bottom 60 Feet } Geologic Formation Coltanssey

Tail Piece: Diameter \_\_\_\_\_ Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per minute at \_\_\_\_\_ Feet above surface

Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date \_\_\_\_\_ Yield \_\_\_\_\_ Gallons per minute

Static water level before pumping 11(?) Feet below surface

Pumping level \_\_\_\_\_ feet below surface after \_\_\_\_\_ hours pumping

Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How pumped \_\_\_\_\_ How measured \_\_\_\_\_

Observed effect on nearby wells \_\_\_\_\_

9. PERMANENT PUMPING EQUIPMENT:

Type Jet Mfrs. Name Myers

Capacity 10 G.P.M. How Driven Electric H.P. 1/2 R.P.M. 3450

Depth of Pump in well \_\_\_\_\_ Feet Depth of Footpiece in well 40 Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR Domestic / Drinking AMOUNT { Average 375 Gallons Daily  
Maximum 625 Gallons Daily

11. QUALITY OF WATER Good Sample: Yes XXX No \_\_\_\_\_

Taste \_\_\_\_\_ Odor \_\_\_\_\_ Color \_\_\_\_\_ Temp. \_\_\_\_\_ °F.

12. LOG -OVER- Are samples available? No  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA James Mesiano Lic. # 1078

14. DATA OBTAINED BY James C. Mesiano Date 8-21-83

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)





STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

Coord: 3132793

PERMIT NO. 3122284

APPLICATION NO. \_\_\_\_\_  
Gloucester  
COUNTY \_\_\_\_\_

WELL RECORD

3122284  
31.32.793

1. OWNER BARRETT ADDRESS BOX 400, BLACKWOODTOWN RD.

Owner's Well No. 803 SURFACE ELEVATION 110' Feet  
(Above mean sea level)

2. LOCATION Lot: 6C Block: 66 Municipality: Franklin Twp.

3. DATE COMPLETED 11/26/84 DRILLER Dechamps Well Drilling

4. DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH 91' Feet

5. CASING: Type PVC Diameter 4 inches Length 81 Feet

6. SCREEN: Type st. steel Size of Opening 60 Diameter 4 inches Length 10 Feet

Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet Geologic Formation \_\_\_\_\_

Tail Piece: Diameter \_\_\_\_\_ Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per minute at \_\_\_\_\_ Feet above surface

Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date 11/26/84 Yield 20 Gallons per minute

Static water level before pumping 21' Feet below surface

Pumping level 21' feet below surface after 2 hours pumping

Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How pumped dewatering pump How measured 5 gal. container

Observed effect on nearby wells none

9. PERMANENT PUMPING EQUIPMENT:

Type submersible Mfrs. Name Fairbanks Morse

Capacity 15 G.P.M. How Driven elec. motor H.P. 1/2 R.P.M. 3450

Depth of Pump in well \_\_\_\_\_ Feet Depth of Footpiece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR Domestic/replacement AMOUNT { Average 600 Gallons Daily  
Maximum 1200 Gallons Daily

11. QUALITY OF WATER Good Sample: Yes X No \_\_\_\_\_

Taste none Odor none Color clear Temp. 55 °F.

12. LOG Attached Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA Al Pierson M.J. Dechamps, Inc.

14. DATA OBTAINED BY Al Pierson M.J. Debhamps, Inc. Date 11/30/84

DEC 03 1984

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

# M. J. Dechamps, Inc.

31,32,793

Fairbanks-Morse Dealer

Michael's Lane / Pitman, New Jersey 08071 / (609) 589-2229

SOIL LOG PERMIT #31-~~22284~~

31, 32, 793

Mr. Barrett Blackwoodtown Rd. property Franklin Twp.

0 - 1 ft.	Top soil
1 - 4 ft.	Sandy yellow clay and stones
4 -10 ft.	Coarse orange sand
10-22 ft.	Fine to coarse yellow sand and clay chips
22-26 ft.	Sandy yellow clay
26-91 ft.	Fine to coarse yellow sand

Static level: 21'

WATER SYSTEMS • ELECTRIC MOTORS • SUMP PUMPS (New and Used) • REPAIRS

**"Everybody Likes Pitman"**



WELL RECORD

3123533  
31.32.798

1. OWNER BOYLE, JOHN & DONNA ADDRESS R.D. 1, BOX 1, GREENSBORO RD.

Owner's Well No. \_\_\_\_\_ SURFACE ELEVATION \_\_\_\_\_ Feet  
*(Above mean sea level)*

2. LOCATION Lot: 3 Block: 140 Municipality: Franklin Twp.

3. DATE COMPLETED 8/16/85 DRILLER D'Agostino Well Drilling

4. DIAMETER: Top 8 inches Bottom 8 inches TOTAL DEPTH 92 Feet

5. CASING: Type PVC Diameter 4 Inches Length 82 Feet

6. SCREEN: Type PVC Size of Opening slot Diameter 3 Inches Length 10 Feet

Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet } Geologic Formation \_\_\_\_\_

Tail Piece: Diameter \_\_\_\_\_ Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per minute at \_\_\_\_\_ Feet above surface

Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date DID NOT TEST Yield \_\_\_\_\_ Gallons per minute

Static water level before pumping 25 Feet below surface

Pumping level \_\_\_\_\_ feet below surface after \_\_\_\_\_ hours pumping

Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How pumped \_\_\_\_\_ How measured \_\_\_\_\_

Observed effect on nearby wells \_\_\_\_\_

9. PERMANENT PUMPING EQUIPMENT:

Type Submersible Mfrs. Name Jacuzzi

Capacity 12 G.P.M. How Driven electric H.P. 1/2 R.P.M. 3450

Depth of Pump in well \_\_\_\_\_ Feet Depth of Footpiece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR Domestic AMOUNT { Average \_\_\_\_\_ Gallons Daily  
Maximum \_\_\_\_\_ Gallons Daily }

11. QUALITY OF WATER Good Sample: Yes \_\_\_\_\_ No \_\_\_\_\_

Taste Good Odor \_\_\_\_\_ Color \_\_\_\_\_ Temp. \_\_\_\_\_ °F.

12. LOG \_\_\_\_\_ Are samples available? \_\_\_\_\_  
*(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)*

13. SOURCE OF DATA D'Agostino Well Drilling, Inc.

14. DATA OBTAINED BY \_\_\_\_\_ Date \_\_\_\_\_

*(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)*

31.32.798

NAME John Boyle

LOCATION RD #1 Box 1

3123533

Greenboro Rd

31.32.798

Franklinville N.C.

31-23533

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL COLOR	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Top Soil		Black	Loose	0'	8"
Gravel		Redish	Packed	8"	15'
Sand		White	Med to Fine Some Coarse	15'	30'
Sand		L. Brown	Med to Fine Coarse	30'	45'
Sand	Some Limestone	D. Brown	Med to Hard	45'	55'
Sand	Limestone Clay	Brown to orange	Fine to Sticky	55'	65'
Clay	Fine Sand	White to orange	Sticky to Fine	65'	75'
Sand		Brown	Med to Fine	75'	80'
Sand		L. Brown	Med to Fine	80'	92'

Distance out from building 50 Ft.

Distance offset right \_\_\_\_\_ Ft. Left \_\_\_\_\_ Ft. from sides of building

Well Depth 92' Casing diameter 4" Screen Length 10'

Static level 25'



WELL RECORD

3123693  
31.32.795

1. OWNER D & M BUILDERS ADDRESS RD 32, BOX 6 DELSEA DR.

Owner's Well No. \_\_\_\_\_ SURFACE ELEVATION \_\_\_\_\_ Feet  
(Above mean sea level)

2. LOCATION Lot: 1E Block: 97C Municipality: Franklin Twp.

3. DATE COMPLETED Sept. 10, 1986 DRILLER Frank Fonte

4. DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH 114 Feet

5. CASING: Type pvc Diameter 4 Inches Length 104 Feet

6. SCREEN: Type pvc Size of Opening 15 Diameter 4 Inches Length 10 Feet

Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet } Geologic Formation cohansy

Tail Piece: Diameter \_\_\_\_\_ Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per minute at \_\_\_\_\_ Feet above surface

Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date 9/10/86 Yield 25 Gallons per minute

Static water level before pumping 21 Feet below surface

Pumping level \_\_\_\_\_ feet below surface after \_\_\_\_\_ hours pumping

Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How pumped \_\_\_\_\_ How measured \_\_\_\_\_

Observed effect on nearby wells \_\_\_\_\_

9. PERMANENT PUMPING EQUIPMENT:

Type sub Mfrs. Name goulds

Capacity 20 G.P.M. How Driven electric H.P. 1 1/2 R.P.M. 3400

Depth of Pump in well 45 Feet Depth of Footpiece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR Commerical AMOUNT { Average \_\_\_\_\_ Gallons Daily  
Maximum \_\_\_\_\_ Gallons Daily

11. QUALITY OF WATER good Sample: Yes \_\_\_\_\_ No \_\_\_\_\_

Taste none Odor none Color clear Temp. 57 °F.

12. LOG see reverse side Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA \_\_\_\_\_

14. DATA OBTAINED BY Frank Fonte Date 10/7/86

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

4 inch plastic well 114 ft 10 ft 15 slot screen

0 - 50 sand

50 - 100 sand and clay

100 - 114 sand

swl 21 ft

3123693

31.32.795

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

Coord: 3132874

PERMIT NO. 3123840

APPLICATION NO. \_\_\_\_\_  
Gloucester

COUNTY \_\_\_\_\_

WELL RECORD

3123840  
31.32.874  
RD1, BOX 410

1. OWNER PAULIKAS, LEON ADDRESS \_\_\_\_\_

Owner's Well No. 98 SURFACE ELEVATION 110' Feet  
(Above mean sea level)

2. LOCATION Lot: 9A4 Block: 66 Municipality: Franklin Twp.

3. DATE COMPLETED 10/22/85 DRILLER Dechamps Well Drilling

4. DIAMETER: Top 2 inches Bottom 2 inches TOTAL DEPTH 60 Feet

5. CASING: Type steel Diameter 2 Inches Length 55 Feet

6. SCREEN: Type st. steel Size of Opening 60 Diameter 2 Inches Length 5 Feet

Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet  
Geologic Formation \_\_\_\_\_

Tail Piece: Diameter \_\_\_\_\_ Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per minute at \_\_\_\_\_ Feet above surface

Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date 10/23/85 Yield 20 Gallons per minute

Static water level before pumping 17' Feet below surface

Pumping level 17' feet below surface after 2 hours pumping

Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How pumped dewatering pump How measured 5 gal. container

Observed effect on nearby wells none

9. PERMANENT PUMPING EQUIPMENT: USED CUSTOMER'S PUMP AND TANK

Type SW Jet Mfrs. Name Wayne

Capacity 15 G.P.M. How Driven elec. mtr. H.P. 1/2 R.P.M. 3450

Depth of Pump in well \_\_\_\_\_ Feet Depth of Footpiece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR Domestic/replacement AMOUNT { Average 600 Gallons Daily  
Maximum 1200 Gallons Daily

11. QUALITY OF WATER Good Sample: Yes X No \_\_\_\_\_

Taste none Odor none Color clear Temp. 55 OF.

12. LOG Attached Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA Al Pierson M.J. Dechamps, Inc.

14. DATA OBTAINED BY Al Pierson M.J. Dechamps, Inc. Date 10/24/85

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)



# M. J. Dechamps, Inc.

Fairbanks-Morse Dealer

31.32.874

Michael's Lane / Pitman, New Jersey 08071 / (609) 589-2229

31.32.874

SOIL LOG PERMIT #31-23840

Leon Paulikas Blackwoodtown Rd. Franklin Twp.

0 -10 ft.	Gravel & stones
11-16 ft.	Gravel & clay
17-30 ft.	Fine wet yellow sand
31-36 ft.	White clay
37-47 ft.	Coarse orange sand & stones
48-68 ft.	Med. to coarse sand & stones

Static level: 17'

WATER SYSTEMS • ELECTRIC MOTORS • SUMP PUMPS (New and Used) • REPAIRS

**"Everybody Likes Pitman"**



WELL RECORD

3124415  
31.32.795  
ADDRESS

1. OWNER D & M BUILDERS R.D. 2, BOX 6 DELSEA DRIVE

Owner's Well No. \_\_\_\_\_ SURFACE ELEVATION \_\_\_\_\_ Feet  
(Above mean sea level)

2. LOCATION Lot: 4 Block: 96 Municipality: Franklin Twp.

3. DATE COMPLETED July 9, 1987 DRILLER Frank Fonte

4. DIAMETER: Top 3 inches Bottom 3 inches TOTAL DEPTH 84 Feet

5. CASING: Type 3 Diameter 3 inches Length 74 Feet

6. SCREEN: Type pvc Size of Opening 15 Diameter 3 inches Length 10 Feet

Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet } Geologic Formation cohansy

Tail Piece: Diameter \_\_\_\_\_ Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per minute at \_\_\_\_\_ Feet above surface

Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date 7/9/87 Yield 15 Gallons per minute

Static water level before pumping 8 Feet below surface

Pumping level \_\_\_\_\_ feet below surface after \_\_\_\_\_ hours pumping

Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How pumped \_\_\_\_\_ How measured \_\_\_\_\_

Observed effect on nearby wells \_\_\_\_\_

9. PERMANENT PUMPING EQUIPMENT:

Type jet Mfrs. Name myers

Capacity 10 G.P.M. How Driven electric H.P. 1/2 R.P.M. 3400

Depth of Pump in well \_\_\_\_\_ Feet Depth of Footpiece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR domestic AMOUNT { Average \_\_\_\_\_ Gallons Daily  
Maximum \_\_\_\_\_ Gallons Daily }

11. QUALITY OF WATER good Sample: Yes \_\_\_\_\_ No \_\_\_\_\_

Taste none Odor none Color clear Temp. 57 OF.

12. LOG see reverse side Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA \_\_\_\_\_

14. DATA OBTAINED BY William Michaelis Date 7/28/87

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

3 inch plastic well 84 ft. deep 10 ft 15 slot screen

0 - 20 gravel  
20 - 40 fine sand and clay  
40 - 50 clay  
50 - 84 sand swl 8 ft

3124415  
31.32.795

JUL 28 '87

**WELL RECORD**

3124416

31.32.795

1. OWNER D & M BUILDERS ADDRESS R.D. 2, BOX 6 DELSEA DRIVE

Owner's Well No. \_\_\_\_\_ SURFACE ELEVATION \_\_\_\_\_ Feet  
(Above mean sea level)

2. LOCATION Lot: 2 Block: 96 Municipality: Franklin Twp.

3. DATE COMPLETED 4/9/87 DRILLER Frank Fonte

4. DIAMETER: Top 3 inches Bottom 3 inches TOTAL DEPTH 74 Feet

5. CASING: Type Pvc Diameter 3 Inches Length 64 Feet

6. SCREEN: Type Pvc Size of Opening 15 Diameter 3 Inches Length 10 Feet

Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet

Geologic Formation Chassy

Tail Piece: Diameter \_\_\_\_\_ Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per minute at \_\_\_\_\_ Feet above surface

Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date 4/9/87 Yield 15 Gallons per minute

Static water level before pumping 8 Feet below surface

Pumping level \_\_\_\_\_ feet below surface after \_\_\_\_\_ hours pumping

Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How pumped \_\_\_\_\_ How measured \_\_\_\_\_

Observed effect on nearby wells None

9. PERMANENT PUMPING EQUIPMENT:

Type Jet Mfrs. Name Myers

Capacity 10 G.P.M. How Driven Electric H.P. 1/2 R.P.M. 3400

Depth of Pump in well \_\_\_\_\_ Feet Depth of Footpiece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR Domestic AMOUNT { Average \_\_\_\_\_ Gallons Daily  
Maximum \_\_\_\_\_ Gallons Daily

11. QUALITY OF WATER Good Sample: Yes \_\_\_\_\_ No \_\_\_\_\_

Taste None Odor None Color Clear Temp. 57 OF.

12. LOG See Reverse Side Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA \_\_\_\_\_

14. DATA OBTAINED BY William M... .. Date 4/28/87

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)



3 Inch Pvc 14 ft 10 ft 15 Pvc Area

3124416

0-30 Sand  
30-60 Sand & Clay  
60-74 Sand

31.32.795

Sub. 5 ft

APR 29 '87

WELL RECORD

3124785  
31.32.796

1. OWNER MILAZZO, WILLIAM B. ADDRESS 739 NO. DELSEA DRIVE

Owner's Well No. \_\_\_\_\_ SURFACE ELEVATION \_\_\_\_\_ Feet  
(Above mean sea level)

2. LOCATION Lot: 11A Block: 46A Municipality: Franklin Twp.

3. DATE COMPLETED 5-29-87 DRILLER Frank Fonte

4. DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH 70 Feet

5. CASING: Type PVC Diameter 4 Inches Length 60 Feet

6. SCREEN: Type PVC Size of Opening 15 Diameter 4 Inches Length 10 Feet

Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet

Geologic Formation Colony

Tail Piece: Diameter \_\_\_\_\_ Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per minute at \_\_\_\_\_ Feet above surface

Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date 5-29-87 Yield 15 Gallons per minute

Static water level before pumping 2 Feet below surface

Pumping level \_\_\_\_\_ feet below surface after \_\_\_\_\_ hours pumping

Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How pumped \_\_\_\_\_ How measured \_\_\_\_\_

Observed effect on nearby wells None

9. PERMANENT PUMPING EQUIPMENT:

Type Sub Mfrs. Name Myers

Capacity 10 G.P.M. How Driven Electric H.P. 3/4 R.P.M. 3400

Depth of Pump in well 25 Feet Depth of Footpiece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR Domestic AMOUNT { Average \_\_\_\_\_ Gallons Daily  
Maximum \_\_\_\_\_ Gallons Daily

11. QUALITY OF WATER Good Sample: Yes \_\_\_\_\_ No \_\_\_\_\_

Taste None Odor None Color Clear Temp. 57 OF.

12. LOG See reverse side Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA \_\_\_\_\_

14. DATA OBTAINED BY William Melletie Date 6-2-87

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

4" POC - 70 ft. 10 ft. 15 plus screen

0-25 sand  
25-50 Clay  
50-70 sand

3124785  
31.32.796

DW 2 - 2 ft.

JUN 4 '87



WELL RECORD

3124990  
31.32.795

1. OWNER FOX, CHARLES ADDRESS 1334 FRANKLIN STREET

Owner's Well No. 1986 40-5 SURFACE ELEVATION 110 Feet  
(Above mean sea level)

2. LOCATION Lot: 2 Block: 140 Municipality: Franklin Twp.

3. DATE COMPLETED 6/3/86 DRILLER Delsea (George Mayers) OWNER

4. DIAMETER: Top 4 inches Bottom 4 inches DRILLER RON ANDERSON  
TOTAL DEPTH 100 Feet

5. CASING: Type PVC Diameter 4 Inches Length 90 Feet

6. SCREEN: Type PVC Size of Opening .020 Diameter 4 Inches Length 10 Feet

Range in Depth { Top 90 Feet  
Bottom 100 Feet } Geologic Formation COHANASY

Tail Piece: Diameter NONE Inches Length ✓ Feet

7. WELL FLOWS NATURALLY NO Gallons per minute at ✓ Feet above surface

Water rises to NO Feet above surface

8. RECORD OF TEST: Date 6/1/86 Yield 50+ Gallons per minute

Static water level before pumping 18' Feet below surface

Pumping level 18' feet below surface after 2 hours pumping

Drawdown NIL Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How pumped AIR LIFT How measured 5 GAL BUCKET  
WATCH-SECOND HAND

Observed effect on nearby wells NONE

9. PERMANENT PUMPING EQUIPMENT:

Type SUBMERSIBLE Mfrs. Name GOULD

Capacity 10 G.P.M. How Driven ELEC. H.P. 3/4 R.P.M. 3750

Depth of Pump in well 60 Feet Depth of Footpiece in well NONE Feet

Depth of Air Line in well NONE Feet Type of Meter on Pump NONE Size \_\_\_\_\_ Inches

10. USED FOR DOMESTIC AMOUNT { Average 400 Gallons Daily  
Maximum 600 Gallons Daily }

11. QUALITY OF WATER GOOD Sample: Yes ✓ No \_\_\_\_\_

Taste FAIR Odor NONE Color CLEAR Temp. 57 °F.

12. LOG YES Are samples available? NO  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA DRILLER

14. DATA OBTAINED BY GEORGE MAYERS Date 6/3/86

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

0-2 TOP SOIL  
2-8 GRAVEL  
8-9 CLAY  
9-30 FINE SAND CHANGING TO MED  
30-36 ORANGE CLAY 3124990  
36-60 COURSE SAND 31.32.795  
60-64 CLAY ORANGE  
64-84 FINE WHITE SAND  
84-90 MED-MIXED CLAY  
SAND  
90-102 COURSE YELLOW SAND

100 9 67





# Ritcheson Medical Laboratory

3124990  
31.32.795

744 S. Broadway, Pitman, New Jersey 08071 / (609) 589-6032

## WATER ANALYSIS

BETTY R. RITCHESON  
Director

LAB NO. c 548 M 1101

CLIENT IDENTIFICATION: Charles Fort (Debea)  
4. Greensboro Rd BLOCK 140 LOT 2  
Franklinville

FAUCET LOCATION: Outside Spigot TWSP. Franklin COUNTY Gloucester

DATE AND TIME COLLECTED: 6-13-86 1120 BY: H. Bush Agent For RI

RECEIVED AND LOGGED IN LAB DATE & TIME: 6/13/86 1230 BY: H. Bush

TEST PARAMETER		FHA A.L.*	NJDEP MCL**
pH	<u>4.8</u>	5.5 - 9.0	-----
IRON mg/L	<u>0.05</u>	0.3	0.3
MANGANESE mg/L	<u>0.03</u>	0.05	0.05
NITRATE (as N) mg/L	<u>5.80</u>	7.0	10.0
TOTAL DISSOLVED SOLIDS (dried @ 180° C) mg/L	<u>—</u>	500	500
SURFACTANTS (LAS) mg/L	<u>—</u>	0.1	0.5
SULFATE mg/L	<u>—</u>	250	250
CHLORIDE mg/L	<u>—</u>	250	250
TOTAL COLIFORM/100ml	<u>0</u>	0	0
Chlorine Residual	<u>Negative</u>		

< = Less than

Date and time of report: 1300 6-16-86  
By: [Signature]

\*Acceptable Limits

New Jersey State Certified Laboratory Cert. # 08084

New Jersey Department of Environmental Protection

\*\* MCL = Recommended Maximum Contaminant Levels

100 F

**WELL RECORD**

Well Permit No. 31 25364  
Atlas Sheet Coordinates 31 42 132

OWNER IDENTIFICATION - Owner DOUGLAS BUILDERS  
Address RD 1, BOX 1714  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION - If not the same owner please give address. Owner's Well No. 1  
Address \_\_\_\_\_  
County \_\_\_\_\_ Municipality FRANKLIN TWP Lot No. 5 Block No. 149

WELL USE DOMESTIC Status ACTIVE

WATER USE DRINKING Average 375 gals. daily Maximum 625 gals. daily

WELL CONSTRUCTION Date well completed 8 / 29 / 86  
BOREHOLE DIMENSIONS Depths: Total 115 ft. Finished 115 ft.  
Diameter: Top 6 in. Bottom 6 in.

Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 3.0 ft.

Below

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>110</u>	<u>2</u>	<u>F480-PVC</u>
Casing 2				
Casing 3				
Screen 1	<u>115-110</u>	<u>5</u>	<u>2</u>	<u>#20 - PVC</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>115-90</u>	<u>25</u>	<u>6</u>	<u>#1 GRAVEL</u>
Grout	<u>90-0</u>	<u>90</u>		<u>PORTLAND CEMENT</u>
Grouting Method	<u>TREMI</u>			

WELL FLOWS NATURALLY \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

RECORD OF TEST Test Date 8 / 30 / 86  
Static water-level before pumping 9 (?) ft. below land surface. Water level \_\_\_\_\_ ft. below land surface after \_\_\_\_\_ hrs. of pumping.  
Water level was measured using \_\_\_\_\_ Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using \_\_\_\_\_ Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using \_\_\_\_\_ Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells \_\_\_\_\_  
Water Quality (taste, odor, color, etc.) GOOD

PERMANENT PUMPING EQUIPMENT Installed by JIM MESIANO Pump Type JET  
Mfrs. Name MYERS Model H525  
CAPACITY: Pump delivers 10 GPM at 40 PSI pressure.  
POWER: 1/2 HP at 3450 RPM Power Source ELECTRIC  
DEPTHS: Pump \_\_\_\_\_ ft. Footpiece 40 ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.  
JIM MESIANO, INC.

CONTRACTOR - Name of Drilling Contractor \_\_\_\_\_  
Address 1506 N. MAIN ST.  
City WILLIAMSTOWN State N.J. Zip Code 08094  
Name of Driller JIM MESIANO License No. 1078

Signature of Contractor James C. Mesiano Date 8 / 16 / 83

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.





**WELL RECORD**

Well Permit No. 31-25400  
Atlas Sheet Coordinates 31 : 32 : 877

**OWNER IDENTIFICATION** - Owner DELSEA REGIONAL HIGH SCHOOL  
Address BLACKWOODTOWN ROAD  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. #2  
Address \_\_\_\_\_  
County \_\_\_\_\_ Municipality FRANKLIN TWP Lot No. 17-2 Block No. 65

**WELL USE** IRRIGATION Status SEASONAL

**WATER USE** ATHLETIC FIELDS Average 99,000 gals. daily Maximum 100,000 gals. daily

**WELL CONSTRUCTION** Date well completed EB / 28 / 86  
**BOREHOLE DIMENSIONS** Depths: Total 145 ft. Finished 145 ft.  
Diameter: Top 10 in. Bottom 10 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick up) above land surface 3.0 ft.  
BELOW

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>130</u>	<u>6</u>	<u>F480-PVC</u>
Casing 2				
Casing 3				
Screen 1	<u>140-130</u>	<u>10</u>	<u>6</u>	<u>#20 SLOT-PVC</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>140-110</u>	<u>30</u>	<u>10</u>	<u>#1 GRAVEL</u>
Grout	<u>10-0</u>	<u>110</u>		<u>BENTONITE CLAY</u>
Grouting Method	<u>TREMI-PIPE</u>			

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 9 / 2 / 86  
Static water-level before pumping 17 ft. below land surface. Water level \_\_\_\_\_ ft. below land surface after \_\_\_\_\_ hrs. of pumping.  
Water level was measured using \_\_\_\_\_ Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using 55 GAL. DRUM Discharge Rate 275 gals. per min.  
Well was pumped using PERMANENT EQUIPMENT. Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells \_\_\_\_\_  
Water Quality (taste, odor, color, etc.) GOOD.

**PERMANENT PUMPING EQUIPMENT** Installed by JIM MESIANO Pump Type SUBMERSIBLE  
Mfrs. Name Goulds Model 236606070 275H 30-7  
CAPACITY: Pump delivers 275 GPM at 30 PSI pressure.  
POWER: 30 HP at 3450 RPM Power Source ELECTRIC  
DEPTHS: Pump 80 ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.  
**JIM MESIANO, INC.**

**CONTRACTOR** - Name of Drilling Contractor \_\_\_\_\_  
Address 1506 N. MAIN ST.  
City WILLIAMSTOWN State N.J. Zip Code 08094  
Name of Driller JIM MESIANO License No. 1078

Signature of Contractor James C. Mesiano Date 12 / 11 / 92

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.





**WELL RECORD**

Well Permit No. 31 - 25482  
Atlas Sheet Coordinates 31 : 42 : 132

31, 42, 132

OWNER IDENTIFICATION - Owner D & M BUILDERS

Address RD 2, BOX 6 ROUTE 47

City FRANKLINVILLE

State NJ

Zip Code \_\_\_\_\_

WELL LOCATION - If not the same owner please give address.

Owner's Well No. \_\_\_\_\_

Address Glouster

Municipality FRANKLIN TWP

Lot No. 1

Block No. 518

WELL USE Domestic

Status In Use

WATER USE Domestic

Average 75 gals. daily

Maximum 300 gals. daily

WELL CONSTRUCTION

Date well completed 3 / 5 / 87

BOREHOLE DIMENSIONS

Depths: Total \_\_\_\_\_ ft. Finished \_\_\_\_\_ ft.

Diameter: Top \_\_\_\_\_ in. Bottom \_\_\_\_\_ in.

Land Surface Elevation at well \_\_\_\_\_ ft.

Elevation was determined using \_\_\_\_\_

Casing Height (stick-up) above land surface \_\_\_\_\_ ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1	<u>84</u>	<u>74</u>	<u>3</u>	<u>PVC</u>
Casing 2				
Casing 3				
Screen 1		<u>10</u>	<u>3</u>	<u>PVC - 15 slot</u>
Screen 2				
Tail Piece				
Gravel Pack				
Grout				
Grouting Method				

WELL FLOWS NATURALLY \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.

Water rises to \_\_\_\_\_ ft. above the land surface.

RECORD OF TEST

Test Date 3 / 5 / 87

Static water-level before pumping 15 ft. below land surface.

Water level \_\_\_\_\_ ft. below land surface after \_\_\_\_\_ hrs. of pumping.

Water level was measured using \_\_\_\_\_

Drawdown \_\_\_\_\_ ft.

Discharge rate measured using \_\_\_\_\_

Discharge Rate \_\_\_\_\_ gals. per min.

Well was pumped using \_\_\_\_\_

Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown

Observed effects on nearby wells None

Water Quality (taste, odor, color, etc.) Taste none, odor none, Color clear

PERMANENT PUMPING EQUIPMENT

Installed by Frank Fonte Inc.

Pump Type Jet

Mfrs. Name Thyris

Model SJ 50

CAPACITY: Pump delivers 10 GPM at \_\_\_\_\_ PSI pressure.

POWER: Electric HP at 3400 RPM Power Source Electric

DEPTHS: Pump \_\_\_\_\_ ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.

FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

FRANK FONTE

CONTRACTOR - Name of Drilling Contractor

Address 379 Egg Harbor Rd.

City Blue Bell, PA

State PA

Zip Code 08037

Name of Driller William G. Gabel

License No. 1079

Signature of Contractor Frank Fonte

Date 4 / 7 / 87





**WELL RECORD**

Well Permit No. 31 - 26096  
Atlas Sheet Coordinates 31 : 32 : 875

**OWNER IDENTIFICATION** - Owner ROWEN, MILT  
Address 345 FRIES MILL RD.  
City TURNERSVILLE State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. -  
Address Philip Avenue  
County Gloucester Municipality FRANKLIN TWP Lot No. 42-44 Block No. 76

**WELL USE** Replacement well Status Replacement well

**WATER USE** Domestic Average 500 gals. daily Maximum 600 gals. daily

**WELL CONSTRUCTION** Date well completed 4 / 10 / 87  
**BOREHOLE DIMENSIONS** Depths: Total 55 ft. Finished 55 ft.  
Diameter: Top 6 in. Bottom 6 in.  
Land Surface Elevation at well N/A ft. Elevation was determined using N/A  
Casing Height (stick-up) above land surface N/A ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		55	2	Galvanized Steel
Casing 2				
Casing 3				
Screen 1	60'	5'	2"	Stainless Steel
Screen 2				
Tail Piece				
Gravel Pack				
Grout				
Grouting Method	Grout to 55'			

**WELL FLOWS NATURALLY** N/A gals. per min. at N/A ft. above the land surface.  
Water rises to N/A ft. above the land surface.

**RECORD OF TEST** Test Date 4 / 15 / 87  
Static water-level before pumping 8 ft. below land surface. Water level 10 ft. below land surface after 1/2 hrs. of pumping.  
Water level was measured using Plum bob Drawdown 2' ft.  
Discharge rate measured using 5 gal. bucket Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using Blown out by air Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells No  
Water Quality (taste, odor, color, etc.) Good

**PERMANENT PUMPING EQUIPMENT** Installed by Emile Gaburo Pump Type Jet pump  
Mfrs. Name Sta-Rite Model \_\_\_\_\_  
CAPACITY: Pump delivers 15 GPM at \_\_\_\_\_ PSI pressure.  
POWER: 1/2 HP at 3500 RPM Power Source Electric  
DEPTHS: Pump N/A ft. Footpiece N/A ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model Pressure gauge installed on \_\_\_\_\_ in. diameter pipe.  
**EMILE GABURO**

**CONTRACTOR** - Name of Drilling Contractor \_\_\_\_\_  
Address 988 N. Mill Rd.  
City Vineland State NJ Zip Code 08360  
Name of Driller Emile Gaburo License No. 908

Signature of Contractor Emile Gaburo Date 8 / 21 / 88

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.





**WELL RECORD**

Well Permit No. 31 - 26283  
Atlas Sheet Coordinates 31 : 32 : 871

**OWNER IDENTIFICATION** - Owner OAKWOOD LAND DEV. INC.  
Address 1344 CHEWS LANDING ROAD  
City LAUREL SPRINGS State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address Penn. Avenue  
County Monmouth Municipality FRANKLIN TWP Lot No. 40A Block No. 68

**WELL USE** withdrawal Status in use

**WATER USE** domestic Average \_\_\_\_\_ gals. daily Maximum \_\_\_\_\_ gals. daily

**WELL CONSTRUCTION**  
**BOREHOLE DIMENSIONS** Date well completed 8 / 18 / 87  
Depths: Total 75 ft. Finished 75 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 1 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>65</u>	<u>4</u>	<u>PVC Plastic</u>
Casing 2				
Casing 3				
Screen 1	<u>65</u>	<u>10</u>	<u>4</u>	<u>PVC .016</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>65</u>	<u>10</u>		<u>1/4" grit</u>
Grout	<u>10</u>			<u>cement</u>
Grouting Method	<u>gravity</u>			

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 8 / 18 / 87  
Static water-level before pumping 12 ft. below land surface. Water level 22 ft. below land surface after 4 hrs. of pumping.  
Water level was measured using chalk line Drawdown 10 ft.  
Discharge rate measured using flow meter Discharge Rate 11 gals. per min.  
Well was pumped using pump Specific Capacity 1.1 gals. per min. per ft. of drawdown  
Observed effects on nearby wells none  
Water Quality (taste, odor, color, etc.) good

**PERMANENT PUMPING EQUIPMENT** Installed by South Jersey Well Pump Type Submersible  
Mfrs. Name Grundfos Model submersible  
CAPACITY: Pump delivers 11 GPM at 60 PSI pressure.  
POWER: 12 HP at 3500 RPM Power Source Electric  
DEPTHS: Pump 42 ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model pressure gage installed on \_\_\_\_\_ in. diameter pipe.

**CONTRACTOR** - Name of Drilling Contractor SOUTH JERSEY WELL DRILLING  
Address 235 N. White Horse Pike  
City Hammononton State NJ Zip Code 08037  
Name of Driller South Jersey Well Drilling License No. 1181

Signature of Contractor \_\_\_\_\_ Date 8 / 30 / 87

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.





**WELL RECORD**

Well Permit No. 31-2685B  
Atlas Sheet Coordinates 31-32-79B

**OWNER IDENTIFICATION** - Owner DATORRE, DANTE  
Address BOX 353 B, STATON AVE.  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address \_\_\_\_\_  
County \_\_\_\_\_ Municipality FRANKLIN TWP Lot No. 8, 9, & 11 Block No. 129

**WELL USE** Domestic Status \_\_\_\_\_

**WATER USE** Domestic Average 500 gals. daily Maximum 750 gals. daily

**WELL CONSTRUCTION** Date well completed 9/19/87  
**BOREHOLE DIMENSIONS** Depths: Total 80 ft. Finished 80 ft.  
Diameter: Top 6 in. Bottom 6 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface -3.5 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL <small>Screens: Note Slot Size(s)</small>
Casing 1		<u>70</u>	<u>2"</u>	<u>Sch 40 PVC</u>
Casing 2				
Casing 3				
Screen 1	<u>80-70</u>	<u>10 ft</u>	<u>2"</u>	<u>Sch 40 PVC</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>80-65</u>			
Grout	<u>65-0</u>			
Grouting Method	<u>Trimney method</u>			

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 9/19/87  
Static water-level before pumping 14 ft. below land surface. Water level 14 ft. below land surface after 1/2 hrs. of pumping.  
Water level was measured using M-SCOPE Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using \_\_\_\_\_ Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using AIR-LIFT Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells \_\_\_\_\_  
Water Quality (taste, odor, color, etc.) Good - none - clear

**PERMANENT PUMPING EQUIPMENT** Installed by UNI-TECH Pump Type Jet  
Mfrs. Name Gould's Model \_\_\_\_\_  
CAPACITY: Pump delivers 10 GPM at 40 PSI pressure.  
POWER: 3/4 HP at 1750 RPM Power Source 110 VOLT  
DEPTHS: Pump \_\_\_\_\_ ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

**JAY FRECK/UNI-TECH DRILLING**

**CONTRACTOR** Name of Drilling Contractor \_\_\_\_\_  
Address P.O. Box 767  
City Clayton State N.J. Zip Code 08312  
Name of Driller JAY FRECK License No. 1256

Signature of Contractor Jay Freck Date 11/18/87

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.



**WELL RECORD**

Well Permit No. 31-26858  
31.32.798

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available?  Yes  No

Drilling Method Rotary method

Type of Rig Mud Rig

Aquifer/Geo. Fm. Cohansey

DEP USE ONLY

Storet Hydrogeo Code \_\_\_\_\_

USGS Hydrogeo Code \_\_\_\_\_

Depth to Bedrock \_\_\_\_\_ ft.

Bedrock Lith. Code \_\_\_\_\_

Bedrock Fm. Code \_\_\_\_\_

Completed by \_\_\_\_\_

Date \_\_\_\_/\_\_\_\_/\_\_\_\_

**LOG**

0-10 m-f sand clay Brown tan moist

10-30 m-f sand same m-f gravel Tr clay orange tan wet

30-50 m-f sand clayey tan orange wet

50-80 c-m-f sand Tr silt tan wet

Thick.

Lith.

Fm.

GWPI No. \_\_\_\_\_

NJPDES No. \_\_\_\_\_

Latitude \_\_\_\_\_° \_\_\_\_\_' \_\_\_\_\_"

Longitude \_\_\_\_\_° \_\_\_\_\_' \_\_\_\_\_"

Lat-Long Accuracy  1"  5"  10"  20"

USGS Quadrangle \_\_\_\_\_

Drainage Basin Code \_\_\_\_\_

County/Municipality Code \_\_\_\_\_

OTHER FILES:  Lithologic Log  Samples Available  Aquifer Test  Water Level Data  
 Geophysical Logs  Water Chemistry  Pollution Case

Checked by \_\_\_\_\_

Date \_\_\_\_/\_\_\_\_/\_\_\_\_

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

PERMIT NO. 31.27125  
31.32.7.93  
APPLICATION NO. \_\_\_\_\_  
COUNTY Gloucester

WELL RECORD

1. OWNER Stanley M Sherman ADDRESS Blackwood Williamstown  
 Owner's Well No. 2 SURFACE ELEVATION 100' Feet  
 (Above mean sea level)
2. LOCATION Franklinville
3. DATE COMPLETED 7/22/87 DRILLER Doug Lewis
4. DIAMETER: Top 8 inches Bottom 8 inches TOTAL DEPTH 101 Feet
5. CASING: Type PVC Diameter 4" Inches Length 89 Feet
6. SCREEN: Type PVC Size of Opening 020 Diameter 4" Inches Length 10' Feet
- Range in Depth { Top 89' Feet  
Bottom 99 Feet
- Geologic Formation Cohansey
- Tail Piece: Diameter None Inches Length \_\_\_\_\_ Feet
7. WELL FLOWS NATURALLY NA Gallons per minute at \_\_\_\_\_ Feet above surface  
 Water rises to \_\_\_\_\_ Feet above surface
8. RECORD OF TEST: Date 7/22/87 Yield 10 Gallons per minute  
 Static water level before pumping 19' Feet below surface  
 Pumping level 24 feet below surface after 1/2 hours pumping  
 Drawdown 5 Feet Specific Capacity 2 Gals. per min. per ft. of drawdown  
 How pumped Sub How measured 5 gal Pot  
 Observed effect on nearby wells No
9. PERMANENT PUMPING EQUIPMENT:  
 Type Sub Mfrs. Name Goulds  
 Capacity 10 G.P.M. How Driven Elec. H.P. 1 R.P.M. 3450  
 Depth of Pump in well 60 Feet Depth of Footpiece in well None Feet  
 Depth of Air Line in well None Feet Type of Meter on Pump None Size NA Inches
10. USED FOR Domestic AMOUNT { Average 500 Gallons Daily  
Maximum 1000 Gallons Daily
11. QUALITY OF WATER Good Sample: Yes \_\_\_\_\_ No X  
 Taste Good Odor None Color Clear Temp. \_\_\_\_\_ °F.
12. LOG \_\_\_\_\_ Are samples available? No  
 (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)
13. SOURCE OF DATA VTP Services
14. DATA OBTAINED BY Doug Lewis Date 12/16/93

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

0-1 Top Soil  
1-23 yellow sand  
23-24 clay  
24-55 Fine sand yellow  
55-76 Med sand white  
76-99 sand + gravel white  
99-101 silty Clay gray

31-27125  
31.32.793

RECEIVED  
93 DEC 22 PM 3:12  
BUREAU OF  
WATER ALLOCATION



**WELL RECORD**

Well Permit No. 31 27827  
Atlas Sheet Coordinates 31 32 798

OWNER IDENTIFICATION - Owner LAMB, LORENZA L. JR.  
Address 8 GREENSBORO RD.  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address \_\_\_\_\_  
County \_\_\_\_\_ Municipality FRANKLIN TWP Lot No. 10 Block No. 4115

WELL USE DOMESTIC Status WORKING

WATER USE DOMESTIC Average 500 gals. daily Maximum 500 gals. daily

WELL CONSTRUCTION Date well completed 12 / 17 / 87  
BOREHOLE DIMENSIONS Depths: Total 100 ft. Finished 100 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well 110 ft. Elevation was determined using #31 STATE ATLAS  
Casing Height (stick-up) above land surface 1.5 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>90</u>	<u>4</u>	<u>SCH. 40 PVC</u>
Casing 2				
Casing 3				
Screen 1	<u>90</u>	<u>10</u>	<u>4</u>	<u>2.000 SLOT PVC</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>65</u>	<u>35</u>	<u>8</u>	<u>#2 PECO</u>
Grout	<u>0</u>	<u>65</u>		<u>BEUTONITE + CEMENT</u>
Grouting Method	<u>TREMIE PIPE</u>			

WELL FLOWS NATURALLY \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

RECORD OF TEST Test Date 12 / 17 / 87  
Static water-level before pumping 25 ft. below land surface. Water level 25 ft. below land surface after 1 hrs. of pumping.  
Water level was measured using PROBE Drawdown 0 ft.  
Discharge rate measured using BUCKET Discharge Rate 95 gals. per min.  
Well was pumped using AIR LIFT Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells NONE  
Water Quality (taste, odor, color, etc.) GOOD - CLEAR

PERMANENT PUMPING EQUIPMENT Installed by G. MAYERS Pump Type SUBMERSTUD  
Mfrs. Name GOULD Model 1061  
CAPACITY: Pump delivers 10 GPM at 50 PSI pressure.  
POWER: 1 HP at 3450 RPM Power Source 220 VOLT  
DEPTHS: Pump 50 ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on 1" in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor GEORGE MAYERS  
Address ROUTE 3 BOX 1940  
City STATE HIGHWAY 45 State \_\_\_\_\_ Zip Code \_\_\_\_\_  
Name of Driller MULLICA HILL, NJ 08062 License No. 861

Signature of Contractor George Mayers Date 11 / 7 / 93  
COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.





**WELL RECORD**

Well Permit No. 31 - 28078  
Atlas Sheet Coordinates 31 : 32 : 799

**OWNER IDENTIFICATION** - Owner FAIOLA, ANTHONY  
Address 721 BEECHWOOD AVE  
City CHERRY HILL State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. 1  
Address Delsea Drive and Belle Avenue  
County Gloucester Municipality FRANKLIN TWP Lot No. 3 Block No. 137

**WELL USE** Community Supply Status \_\_\_\_\_

**WATER USE** Potable Average 2200 gals. daily Maximum 5200 gals. daily

**WELL CONSTRUCTION** Date well completed 6 / 29 / 88  
**BOREHOLE DIMENSIONS** Depths: Total 130 ft. Finished 130 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 1 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		112'	4"	PVC
Casing 2				
Casing 3				
Screen 1		10'	4"	S/S #20 Slot
Screen 2				
Tail Piece				
Gravel Pack	92'	30'		#1 Morie Gravel
Grout	Top of gravel to within 6' of surface			
Grouting Method	Tremi			

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Static water-level before pumping 17' ft. below land surface. Water level \_\_\_\_\_ ft. below land surface after \_\_\_\_\_ hrs. of pumping.  
Water level was measured using \_\_\_\_\_ Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using \_\_\_\_\_ Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using \_\_\_\_\_ Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells \_\_\_\_\_  
Water Quality (taste, odor, color, etc.) See attached

**PERMANENT PUMPING EQUIPMENT** Installed by James C. Mesiano Pump Type ~~MYXXX~~ Submersible  
Mfrs. Name Myers Model J2035  
CAPACITY: Pump delivers 35 GPM at 60 PSI pressure.  
POWER: 2 HP at 3450 RPM Power Source Electric  
DEPTHS: Pump 87 ft. Footpiece \_\_\_\_\_ ft. Airline 87 ft.  
FLOW METER: Model Badger installed on 2 in. diameter pipe.  
**JIM MESIANO, INC.**

**CONTRACTOR** - Name of Drilling Contractor \_\_\_\_\_  
Address R.D.#5, Box 61-A  
City Williamstown State N.J. Zip Code 08094  
Name of Driller James C. mesiano License No. 1078

Signature of Contractor James C. Mesiano Date 6 / 29 / 88

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.





**WELL RECORD**

Well Permit No. 31 28192  
Atlas Sheet Coordinates 31 : 42 : 133

**OWNER IDENTIFICATION** - Owner D & M BUILDERS  
Address RD #2 BOX #6 DELSRA DR  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address Oaklane & Coke Rds. Franklinville, N.J.  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 18 Block No. 4401

**WELL USE** Domestic Status In use  
**WATER USE** Domestic Average 75 gals. daily Maximum 150 gals. daily

**WELL CONSTRUCTION** Date well completed 9 / 7 / 88  
**BOREHOLE DIMENSIONS** Depths: Total 80 ft. Finished 80 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using Atlas #31  
Casing Height (stick-up) above land surface \_\_\_\_\_ ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1	80	70	4	pvc
Casing 2				
Casing 3				
Screen 1		10	4	pvc 15 slot
Screen 2				
Tail Piece				
Gravel Pack				
Grout	<u>20 neat cement</u>			
Grouting Method	<u>Pressure grouted</u>			

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 9 / 7 / 88  
Static water-level before pumping 10 ft. below land surface. Water level 15 ft. below land surface after 4 hrs. of pumping.  
Water level was measured using M Scope Drawdown 5 ft.  
Discharge rate measured using barrel Discharge Rate 10 gals. per min.  
Well was pumped using sub Specific Capacity 2 gals. per min. per ft. of drawdown  
Observed effects on nearby wells none  
Water Quality (taste, odor, color, etc.) taste none, odor none, color clear

**PERMANENT PUMPING EQUIPMENT** Installed by FRANK FONTE, INC. Pump Type sub  
Mfrs. Name Myers Model SJ30  
CAPACITY: Pump delivers 10 GPM at 40 PSI pressure.  
POWER: 1/2 HP at 3400 RPM Power Source electric  
DEPTHS: Pump 30 ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

**CONTRACTOR** - Name of Drilling Contractor FRANK FONTE  
Address 379 Egg Harbor Road  
City Blue Anchor State N.J. Zip Code 08037  
Name of Driller William Michaelis License No. 1079

Signature of Contractor *Frank Fonte* Date 9 / 22 / 88

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.





*W*

WELL RECORD

Well Permit No. 31 - 28502  
Atlas Sheet Coordinates 31 : 32 : 797

OWNER IDENTIFICATION - Owner MONTALTO, JANET  
Address R. D. 1 BOX 16 / GREENSBORO RD.  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address SAME  
County \_\_\_\_\_ Municipality FRANKLIN TWP Lot No. 16 Block No. 4116

WELL USE DOMESTIC Status WORKING

WATER USE DOMESTIC Average 500 gals. daily Maximum 500 gals. daily

WELL CONSTRUCTION Date well completed 5, 4, 88  
BOREHOLE DIMENSIONS Depths: Total 100 ft. Finished 100 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well 100 ft. Elevation was determined using #31 STATE ATLAS  
Casing Height (stick-up) above land surface 105 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>90</u>	<u>4</u>	<u>SMA 40 PVC</u>
Casing 2				
Casing 3				
Screen 1	<u>90</u>	<u>10</u>	<u>4</u>	<u>2015 SLOT PVC</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>80</u>	<u>20</u>	<u>8</u>	<u>#2 PERFORATED</u>
Grout	<u>0</u>	<u>80</u>		<u>BENTONITE + CEMENT</u>
Grouting Method		<u>TRENCH PIPE</u>		

WELL FLOWS NATURALLY \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

RECORD OF TEST Test Date 5, 4, 88  
Static water-level before pumping 18 ft. below land surface. Water level 18 ft. below land surface after 1 hrs. of pumping.  
Water level was measured using PROBE Drawdown 0 ft.  
Discharge rate measured using BUCKET Discharge Rate 35 gals. per min.  
Well was pumped using APR 12FT Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells NONE  
Water Quality (taste, odor, color, etc.) GOOD CLEAR

PERMANENT PUMPING EQUIPMENT Installed by G. MAYERS Pump Type Submersible  
Mfrs. Name GOOLDS Model 1025  
CAPACITY: Pump delivers 10 GPM at 30 PSI pressure.  
POWER: 1/2 HP at 3450 RPM Power Source 115V  
DEPTHS: Pump 50 ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor DELSEA (GEORGE MAYERS)  
Address ROUTE 9 BOX 124C  
City STATE HIGHWAY 45 Zip Code \_\_\_\_\_  
Name of Driller \_\_\_\_\_ License No. 861  
MULLICA HILL, NJ 08032

Signature of Contractor George Mayers Date 12, 20, 93

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.





WELL RECORD

Well Permit No. 31 - 28707  
Atlas Sheet Coordinates 31 : 42 : 132

OWNER IDENTIFICATION - Owner BRADY, JAMES & DONNA  
Address LEONARD CAKE RD.  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address same  
County \_\_\_\_\_ Municipality FRANKLIN TWP Lot No. 8D Block No. 37A

WELL USE Domestic Status \_\_\_\_\_

WATER USE 75 Average 300 gals. daily Maximum 325 gals. daily

WELL CONSTRUCTION Date well completed 6/6/88  
BOREHOLE DIMENSIONS Depths: Total 98 ft. Finished 98 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well N/A ft. Elevation was determined using N/A  
Casing Height (stick-up) above land surface 1 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>88</u>	<u>4</u>	<u>PVC sch 40 casing</u>
Casing 2				
Casing 3				
Screen 1	<u>88</u>	<u>10</u>	<u>4</u>	<u>PVC #20 SCREEN</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>88</u>	<u>10</u>	<u>2</u>	<u>#2 GRAVEL</u>
Grout	<u>3.5</u>	<u>88</u>		<u>WYO BOND</u>
Grouting Method	<u>pressure grout w/ Temp pipe</u>			

WELL FLOWS NATURALLY N/A gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to N/A ft. above the land surface.

RECORD OF TEST Test Date N/A  
Static water-level before pumping \_\_\_\_\_ ft. below land surface. Water level \_\_\_\_\_ ft. below land surface after \_\_\_\_\_ hrs. of pumping.  
Water level was measured using \_\_\_\_\_ Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using \_\_\_\_\_ Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using \_\_\_\_\_ Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells \_\_\_\_\_  
Water Quality (taste, odor, color, etc.) \_\_\_\_\_

PERMANENT PUMPING EQUIPMENT Installed by Dale Miller Pump Type perch reversible  
Mfrs. Name Myers Model 55352511  
CAPACITY: Pump delivers 10 GPM at 46 PSI pressure.  
POWER: 1/2 HP at 3300 RPM Power Source 230 VOLT ELCC  
DEPTHS: Pump 60 ft. Footpiece N/A ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model N/A installed on \_\_\_\_\_ in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor DALE MILLER  
Address 448 Hubblewood Rd  
City Voastees State NJ Zip Code 08043  
Name of Driller Ron Anderson License No. 17A 0980

Signature of Contractor Dale Miller Date 6/6/88

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.





**WELL RECORD**

Well Permit No. 31 - 29417  
Atlas Sheet Coordinates 31 : 32 : 798

OWNER IDENTIFICATION - Owner Dennis Shipley  
Address Rd #1 Box 1549  
City Franklinville State NJ Zip Code \_\_\_\_\_

WELL LOCATION - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address Triumph & Carmen  
County Gloucester Municipality Franklin Twp. Lot No. 1 Block No. 4116

WELL USE Domestic Replacement Status \_\_\_\_\_

WATER USE Domestic Average 600 gals. daily Maximum 750 gals. daily

WELL CONSTRUCTION Date well completed 9 / 12 / 88  
BOREHOLE DIMENSIONS Depths: Total 140 ft. Finished 140 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 1.4 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>131.4</u>	<u>4</u>	<u>PVC Sch 40</u>
Casing 2				
Casing 3				
Screen 1	<u>130</u>	<u>10</u>	<u>4</u>	<u>PVC Sch 40 (0.020)</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>125</u>	<u>15</u>		<u>#1 well gravel</u>
Grout	<u>3</u>	<u>122</u>		<u>Bentonite cement</u>
Grouting Method	<u>Tremie</u>			

WELL FLOWS NATURALLY \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

RECORD OF TEST Test Date 9 / 12 / 88  
Static water-level before pumping 5 ft. below land surface. Water level 5 ft. below land surface after 1/2 hrs. of pumping.  
Water level was measured using M-scope Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using \_\_\_\_\_ Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using Airlift Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells NONE  
Water Quality (taste, odor, color, etc.) Good, None, clear

PERMANENT PUMPING EQUIPMENT Installed by uni-tech Pump Type submersible  
Mfrs. Name Myers Model \_\_\_\_\_  
CAPACITY: Pump delivers 11 GPM at 50 PSI pressure.  
POWER: 1/2 HP at 1725 RPM Power Source 220V  
DEPTHS: Pump \_\_\_\_\_ ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor uni-Tech Drilling Co., Inc.  
Address PO Box 634  
City Newfield State NJ Zip Code 08344  
Name of Driller William Jester License No. M804

Signature of Contractor William Jester Date 12 / 21 / 92





**WELL RECORD**

Well Permit No. 31 - 29533  
Atlas Sheet Coordinates 31 : 32 : 793

**OWNER IDENTIFICATION** - Owner D & M BUILDERS  
Address RD #2, BOX 6 DELSEA DR  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address DELSA DR. FRANKLINVILLE  
County GLoucester Municipality FRANKLIN TWP Lot No. 4 Block No. 4001

**WELL USE** Domestic Status IN USE

**WATER USE** Domestic Average 75 gals. daily Maximum 225 gals. daily

**WELL CONSTRUCTION** Date well completed 12/16/88  
**BOREHOLE DIMENSIONS** Depths: Total 114 ft. Finished 114 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using ATLAS # 31  
Casing Height (stick-up) above land surface \_\_\_\_\_ ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1	<u>114</u>	<u>104</u>	<u>4</u>	<u>PVC</u>
Casing 2				
Casing 3				
Screen 1		<u>10</u>	<u>4</u>	<u>PVC-15 Slot</u>
Screen 2				
Tail Piece				
Gravel Pack				
Grout				
Grouting Method	<u>20 NEAT CEMENT PRESSURE GROUT</u>			

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 12/16/88  
Static water-level before pumping 23 ft. below land surface. Water level 28 ft. below land surface after 4 hrs. of pumping.  
Water level was measured using M Scope Drawdown 5 ft.  
Discharge rate measured using BARREL Discharge Rate 15 gals. per min.  
Well was pumped using SUB Specific Capacity 3 gals. per min. per ft. of drawdown  
Observed effects on nearby wells NONE  
Water Quality (taste, odor, color, etc.) TASTE NONE, ODOR NONE, COLOR CLEAR

**PERMANENT PUMPING EQUIPMENT** Installed by FRANK FONTE, INC Pump Type SUB  
Mfrs. Name MYERS Model 5575  
CAPACITY: Pump delivers 15 GPM at 40 PSI pressure.  
POWER: 3/4 HP at 3400 RPM Power Source ELECTRIC  
DEPTHS: Pump 30 ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

**FRANK FONTE**

**CONTRACTOR** - Name of Drilling Contractor  
Address 379 EGG HARBOR ROAD.  
City Blue Anchor State N.J Zip Code 08037  
Name of Driller WILLIAM MICHAELIS License No. 1079

Signature of Contractor Frank Fonte Date 1/10/89

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.





**WELL RECORD**

Well Permit No. 31-31239  
Atlas Sheet Coordinates 31 : 32 : 795

OWNER IDENTIFICATION - Owner FRANKLIN SAVINGS BANK, S.  
Address 137 WEST BROADWAY  
City SALIM State NJ Zip Code \_\_\_\_\_

WELL LOCATION - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address \_\_\_\_\_  
County \_\_\_\_\_ Municipality FRANKLIN TWP Lot No. 5 AND 6 Block No. 3505

WELL USE PUBLIC - NON COMMUNITY (BANK) Status ACTIVE - DAILY

WATER USE DRINKING & BATHROOM Average 375 gals. daily Maximum 625 gals. daily

WELL CONSTRUCTION Date well completed 4/16/90  
BOREHOLE DIMENSIONS Depths: Total 140 ft. Finished 140 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 1.5 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>126</u>	<u>4</u>	<u>F480-PVC</u>
Casing 2				
Casing 3				
Screen 1	<u>136-126</u>	<u>10</u>	<u>4</u>	<u>#20 SLOT PVC</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>136-116</u>	<u>20</u>	<u>8</u>	<u>#1 GRAVEL</u>
Grout	<u>116-0</u>	<u>116</u>		<u>BENTONITE CLAY</u>
Grouting Method	<u>TREMI - PIPE</u>			

WELL FLOWS NATURALLY \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

RECORD OF TEST Test Date 4/19/90  
Static water-level before pumping 19 ft. below land surface. Water level \_\_\_\_\_ ft. below land surface after \_\_\_\_\_ hrs. of pumping.  
Water level was measured using \_\_\_\_\_ Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using \_\_\_\_\_ Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using \_\_\_\_\_ Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells \_\_\_\_\_  
Water Quality (taste, odor, color, etc.) GOOD

PERMANENT PUMPING EQUIPMENT Installed by JIM MESIANO Pump Type SUBMERSIBLE  
Mfrs. Name MYERS Model J1011P  
CAPACITY: Pump delivers 11 GPM at 40 PSI pressure.  
POWER: 1 HP at 3450 RPM Power Source ELECTRIC  
DEPTHS: Pump 50 ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor JIM MESIANO, INC.  
Address 1506 N. MAIN ST  
City WILLIAMSTOWN State N.J. Zip Code 08094  
Name of Driller JIM MESIANO License No. 1078

Signature of Contractor James C Mesiano Date 12/3/92

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.





**WELL RECORD**

Well Permit No. 31-32352  
Atlas Sheet Coordinates 31 : 32 : 798

**OWNER IDENTIFICATION - Owner** SWINDELL, JAMES & EVELYN  
Address 79 REED AVE.  
City FRANKLINVILLE State NJ Zip Code 08322

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. 31-32352  
Address SAME AS ABOVE  
County Glouster Municipality FRANKLIN TWP Lot No. 5 Block No. 92

**WELL USE** Domestic Status IN-USE

**WATER USE** Domestic Average 300 gals. daily Maximum 300 gals. daily

**WELL CONSTRUCTION**  
**BOREHOLE DIMENSIONS** Date well completed 11 / 01 / 89  
Depths: Total 90' ft. Finished 90' ft.  
Diameter: Top 4 in. Bottom 4 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 2 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL <small>Screens: Note Slot Size(s)</small>
Casing 1		<u>90</u>	<u>4"</u>	<u>P.V.C. SCH 40 / CASING</u>
Casing 2				
Casing 3				
Screen 1	<u>80'</u>	<u>10'</u>	<u>4"</u>	<u>P.V.C. #20 SCREEN</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>80'</u>	<u>10'</u>	<u>2"</u>	<u>#2 GRAVEL</u>
Grout	<u>80'</u>	<u>76'</u>		<u>WYO BOND</u>
Grouting Method	<u>pressure grout / Tremie Pipe / Chem grout</u>			

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 11 / 01 / 89  
Static water-level before pumping 14' ft. below land surface. Water level 14' ft. below land surface after \_\_\_\_\_ hrs. of pumping.  
Water level was measured using TAPE Drawdown 0 ft.  
Discharge rate measured using WATCH & Bucket Discharge Rate 80 gals. per min.  
Well was pumped using AIR Specific Capacity 0 gals. per min. per ft. of drawdown  
Observed effects on nearby wells NONE  
Water Quality (taste, odor, color, etc.) GOOD - NONE - CLEAR

**PERMANENT PUMPING EQUIPMENT** Installed by Kevin Anderson Pump Type Submersible  
Mfrs. Name Myers Model J-511  
CAPACITY: Pump delivers 11 GPM at 40 PSI pressure.  
POWER: 2 HP at 1750 RPM Power Source 220 VOLT - Electric  
DEPTHS: Pump 60' ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model 2" gauge installed on 1" in. diameter pipe.

**CONTRACTOR** - Name of Drilling Contractor H ENVIRONMENTAL DRILLING  
Address 516 DAVIS ROAD  
City BARRINGTON State N.J. Zip Code 08007  
Name of Driller George Ely License No. 0980 / 1110

Signature of Contractor Ronald A. Anderson Date 11 / 30 / 89

COPIES: White - DEP    Canary - Driller    Pink - Owner    Goldenrod - Health Dept.







**WELL RECORD**

Well Permit No. 31 34157  
Atlas Sheet Coordinates 31 : 32 : 799

**OWNER IDENTIFICATION - Owner** HOFFMAN, DIMUZIO, HOFFMAN  
Address 35 HUNTER STREET  
City WOODBURY State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. 31 - 34157  
Address Delsea Drive & Leonard Cake Road  
County Gloucester Municipality FRANKLIN TWP Lot No. \_\_\_\_\_ Block No. 4204

**WELL USE** Office withdrawal Status In use

**WATER USE** Office Average 400 gals. daily Maximum 500 gals. daily

**WELL CONSTRUCTION** Date well completed 7 / 14 / 90  
**BOREHOLE DIMENSIONS** Depths: Total 95 ft. Finished 95 ft.  
Diameter: Top 7 7/8 in. Bottom 7 7/8 in. Plot plan  
Land Surface Elevation at well 2 ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 1 1/2 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL <small>Screens: Note Slot Size(s)</small>
Casing 1		<u>85</u>	<u>4</u>	<u>PVC Schedule 40</u>
Casing 2				
Casing 3				
Screen 1	<u>85</u>	<u>10</u>	<u>4</u>	<u>PVC #10 slot</u>
Screen 2				
Tail Piece	<u>none</u>			
Gravel Pack	<u>85</u>	<u>10</u>		<u>Morie #2</u>
Grout	<u>0</u>	<u>85</u>		<u>Betonite</u>
Grouting Method	<u>pressure</u>			

**WELL FLOWS NATURALLY** not gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 7 / 14 / 90  
Static water-level before pumping 10 ft. below land surface. Water level 10 ft. below land surface after 2 hrs. of pumping.  
Water level was measured using 20 gallon pail m scope Drawdown none ft.  
Discharge rate measured using 10 gallon pail Discharge Rate 70 gals. per min.  
Well was pumped using air lift Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells none  
Water Quality (taste, odor, color, etc.) taste-none, color-clear, odor - none

**PERMANENT PUMPING EQUIPMENT** Installed by F. C. Capel & Son Pump Type Submersible  
Mfrs. Name Myers Model \_\_\_\_\_  
CAPACITY: Pump delivers 25 GPM at 60 PSI pressure.  
POWER: 1 1/2 HP at \_\_\_\_\_ RPM Power Source electric  
DEPTHS: Pump 60 ft. Footpiece none ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model none installed on \_\_\_\_\_ in. diameter pipe.

**CONTRACTOR** - Name of Drilling Contractor F.C. CAPEL & SONS 751 Mantua Blvd.  
Address \_\_\_\_\_  
City Sewell State New Jersey Zip Code 08080  
Name of Driller Frederick C. Capel III License No. 887

Signature of Contractor Frederick C. Capel III Date July 20, 1990  
COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.





**WELL RECORD**

Well Permit No. 31 34201  
Atlas Sheet Coordinates 31 : 32 : 799

**OWNER IDENTIFICATION** - Owner WORCESTER, WM. & R.  
Address 1584 STATION RD.  
City FRANKLINVILLE State NJ Zip Code 08322

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address Same  
County \_\_\_\_\_ Municipality FRANKLIN TWP Lot No. 2 Block No. 4110

**WELL USE** Domestic Replacement Status \_\_\_\_\_

**WATER USE** Domestic Rep Average 500 gals. daily Maximum 750 gals. daily

**WELL CONSTRUCTION** Date well completed 6 / 15 / 90  
**BOREHOLE DIMENSIONS** Depths: Total 100 ft. Finished 100 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 2 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL <small>Screens: Note Slot Size(s)</small>
Casing 1		<u>92</u>	<u>4"</u>	<u>PVC Sch 40</u>
Casing 2				
Casing 3				
Screen 1	<u>90</u>	<u>10</u>	<u>4"</u>	<u>PVC Sch 40</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>85</u>	<u>15</u>		<u>#1 well Gravel</u>
Grout	<u>3</u>	<u>82</u>		<u>Bentonite</u>
Grouting Method	<u>Tremie method</u>			

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 6 / 15 / 90  
Static water-level before pumping 10' ft. below land surface. Water level 10 ft. below land surface after 1/2 hrs. of pumping.  
Water level was measured using M-SCOPE Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using \_\_\_\_\_ Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using Air Lift Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells NONE  
Water Quality (taste, odor, color, etc.) good, none, clear

**PERMANENT PUMPING EQUIPMENT** Installed by Uni-Tech Pump Type Submersible  
Mfrs. Name Meyers Model \_\_\_\_\_  
CAPACITY: Pump delivers 11 GPM at 40 PSI pressure.  
POWER: 1/2 HP at 1725 RPM Power Source 220V.  
DEPTHS: Pump \_\_\_\_\_ ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

**CONTRACTOR** - Name of Drilling Contractor UNI-TECH DRILLING  
Address P.O. Box 467  
City Clayton State NS Zip Code 08312  
Name of Driller William Jester License No. 804

Signature of Contractor William Jester Date 7 / 31 / 90

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.





**WELL RECORD**

Well Permit No. 31 - 37434  
Atlas Sheet Coordinates 31 : 42 : 212

OWNER IDENTIFICATION - Owner LYNAM, JOHN & MARY  
Address 31 PENNSYLVANIA AVENUE  
City WILLIAMSTOWN State NJ Zip Code 08094

WELL LOCATION - If not the same owner please give address. Owner's Well No. 31-37434  
Address Same  
County Gloucester Municipality FRANKLIN TWP Lot No. 41 Block No. 1201

WELL USE Domestic Status In-use

WATER USE Domestic Average 300 gals. daily Maximum 300 gals. daily

WELL CONSTRUCTION Date well completed 09 / 03 / 91  
BOREHOLE DIMENSIONS Depths: Total 85' ft. Finished 85' ft.  
Diameter: Top 8" in. Bottom 8" in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 1' ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL <small>Screens: Note Slot Size(s)</small>
Casing 1		<u>75'</u>	<u>4"</u>	<u>PVC sch 40 casing</u>
Casing 2				
Casing 3				
Screen 1	<u>75'</u>	<u>10'</u>	<u>4"</u>	<u>PVC .020 slot screen</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>75'</u>	<u>10'</u>	<u>2"</u>	<u>#2 Well gravel</u>
Grout	<u>0</u>	<u>75'</u>		<u>WYO Bond</u>
Grouting Method	<u>Chem grouted / pressure grouted w/ tremie pipe</u>			

WELL FLOWS NATURALLY \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to 1' ft. above the land surface.

RECORD OF TEST Test Date 09 / 03 / 91  
Static water-level before pumping 15' ft. below land surface. Water level 15' ft. below land surface after 1 hrs. of pumping.  
Water level was measured using Tape Drawdown 0 ft.  
Discharge rate measured using Watch & Bucket Discharge Rate 80 gals. per min.  
Well was pumped using Air Specific Capacity 0 gals. per min. per ft. of drawdown  
Observed effects on nearby wells none  
Water Quality (taste, odor, color, etc.) Good-none-clean

PERMANENT PUMPING EQUIPMENT Installed by Kevin Anderson Pump Type Submersible  
Mfrs. Name Myers Model 9-511  
CAPACITY: Pump delivers 11 GPM at 40 PSI pressure.  
POWER: 2 HP at X 3450 RPM Power Source Electric-220 ~~XXXXXX~~ Volts  
DEPTHS: Pump 40' ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model 2" guage installed on 1" in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor A & H ENVIRONMENTAL DRILLING  
Address \_\_\_\_\_  
City 516 Davis Road-Barrington, State N.J. Zip Code 08007  
Name of Driller Ron Anderson License No. 0980/1110

Signature of Contractor [Signature] Date 9 / 10 / 91

COPIES: White - DEP    Canary - Driller    Pink - Owner    Goldenrod - Health Dept.





STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

31-42-133

PERMIT NO. 31-17984

APPLICATION NO. \_\_\_\_\_

WELL RECORD

3117984  
31.42.133

COUNTY Gloucester

1. OWNER Dennis J. Stewart ADDRESS R. B. #1, Box 1496D, Leonard Cake Road  
Franklinville, N.J.  
Owner's Well No. 31-17984 SURFACE ELEVATION \_\_\_\_\_ Feet  
(Above mean sea level)

2. LOCATION Franklin Township - Leonard Cake Road

3. DATE COMPLETED May 15, 1981 DRILLER F. C. Capel & Son

4. DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH 82 Feet

5. CASING: Type PVC Diameter 4 Inches Length 72 Feet

6. SCREEN: Type PVC Size of Opening 20 Diameter 4 Inches Length 10 Feet

Range in Depth { Top 72 Feet  
Bottom 82 Feet } Geologic Formation Cohansey

Tail Piece: Diameter None Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY not Gallons per minute at \_\_\_\_\_ Feet above surface

Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date May 15, 1981 Yield 70 Gallons per minute

Static water level before pumping 19 Feet below surface

Pumping level 19 feet below surface after 4 hours pumping

Drawdown none Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How pumped air lift How measured \_\_\_\_\_

Observed effect on nearby wells none

9. PERMANENT PUMPING EQUIPMENT:

Type Submersible Mfrs. Name Gould

Capacity 10 G.P.M. How Driven electric H.P. 1/2 R.P.M. \_\_\_\_\_

Depth of Pump in well 50 Feet Depth of Footpiece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR Domestic AMOUNT { Average 400 Gallons Daily  
Maximum 500 Gallons Daily }

11. QUALITY OF WATER Good Sample: Yes \_\_\_\_\_ No X

Taste none Odor none Color clear Temp. 56 of.

12. LOG on reverse side Are samples available? No  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA Drilling of well

14. DATA OBTAINED BY F. C. Capel & Son Date June 15, 1981

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

0 - 8 gravel  
8 - 10 yellow clay  
10 - 30 fine to coarse yellow sand with clay chips  
30 - 33 yellow clay  
33 - 35 coarse yellow sand and stones  
35 - 55 sandy yellow clay  
55 - 57 fine to coarse yellow sand  
57 - 70 sandy yellow clay  
70 - 82 fine to coarse yellow sand

Mangamese .04  
Iron .05  
Nitrates 2.7  
pH 6.0  
Total 0  
Coliform



31-42-133

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

Permit No. 31-9726  
Application No. \_\_\_\_\_  
County \_\_\_\_\_

WELL RECORD 3109726  
31.42.133

1. OWNER MRS MARIE JAYNE ADDRESS Lennard Cake Rd, Franklinville  
Owner's Well No. \_\_\_\_\_ SURFACE ELEVATION 90 Feet  
(Above mean sea level)

2. LOCATION Right rear of house

3. DATE COMPLETED March 76 DRILLER a VANCE SKINNER COMPANY INC

4. DIAMETER: top 4 Inches Bottom 4 Inches TOTAL DEPTH 62 Feet

5. CASING: Type PVC Diameter 4 Inches Length 52 Feet

6. SCREEN: Type PVC Size of Opening 020 Diameter 4 Inches Length 10 Feet

Range in Depth { Top 52 Feet  
Bottom 62 Feet } Geologic Formation Tch

Tail piece: Diameter None Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY No Gallons per Minute at \_\_\_\_\_ Feet above surface  
Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date None Yield \_\_\_\_\_ Gallons per minute  
Static water level before pumping \_\_\_\_\_ Feet below surface  
Pumping level \_\_\_\_\_ feet below surface after \_\_\_\_\_ hours pumping  
Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown  
How Pumped \_\_\_\_\_ How measured \_\_\_\_\_  
Observed effect on nearby wells \_\_\_\_\_

9. PERMANENT PUMPING EQUIPMENT:

Type Jet Pump Mfrs. Name ?  
Capacity 10 G.P.M. How Driven Electric H.P. 1/2 R.P.M. 3450  
Depth of Pump in well N/A Feet Depth of Footpiece in well \_\_\_\_\_ Feet  
Depth of Air Line in well No Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR Domestic AMOUNT { Average 300 Gallons Daily  
Maximum \_\_\_\_\_ Gallons Daily

11. QUALITY OF WATER Good Sample: Yes X No. \_\_\_\_\_

Taste Slight Odor No Color No Temp. \_\_\_\_\_ OF

12. LOG See attached sheet Are samples available? No  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)

13. SOURCE OF DATA Well records VSCI

14. DATA OBTAINED BY WVS Date 1-22-77

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements etc.)

INGESTIVE PROTECTION SERVICE



# QUALITY CONTROL LABORATORY

Bacteriological and Chemical Analysis

243 WHITE HORSE PIKE

AUDUBON, N.J. 08106

31,42,133  
31-9726  
(609) 428-1303

3109726  
31,42,133

Date of collection \_\_\_\_\_, 19\_\_\_\_. Hour of Collection \_\_\_\_\_ A.M./P.M. Analysis No. 37615-3  
 Company Bill Skinner Address Vineland, N.J. Phone \_\_\_\_\_  
 Sample taken from Icoveilli By Skinner Co.  
 Condition of sample when drawn \_\_\_\_\_  
 Collector's Remarks \_\_\_\_\_  
 Date Delivered to Laboratory 3/15, 19 76 Time \_\_\_\_\_  
 Condition of Sample upon arrival at Laboratory \_\_\_\_\_

### CHEMICAL

TEST	REQ?	PRES. ABS.	QUAN.	METH.	TECH. IN.	TEST	REQ?	PRES. ABS.	QUAN.	METH.	TECH. IN.
Acid						Mercury					
Alkalinity			12.2ppm			Nickel					
Aluminum						Nitrate NO <sub>3</sub>			1.8ppm		
Ammonia						Nitrite					
Arsenic						Odor					
B.O.D.						Oil & Grease					
Bromides						Pesticides					
Carbon Dioxide			13.9ppm			pH			6.2		
Cadmium						Phenols					
Cal. Hardness						Phos. Ortho					
C.O.D.						Phos. Tot.					
Chlorides			13.5ppm			Residue Tot.					
Chlorides OTA						Residue Filtr.					
Chlorides Total						Residue Non-Filt.					
Chl. Hydrocarbons						Set. Material					
Chromate						Sodium					
Copper						Solids					
Dis. Oxygen						Spec. Cond.					
Dis. Solids						Sulfate			less than 1.0ppm		
Fluorides						Sulfide					
Hardness						Sulfite					
Hydrogen Sulfide						Sus. Matter					
Iron (Ferric)			0.1ppm			Toxicants					
Iron (Ferrous)						Turbidity					
Kjeldahl N						T.D.S.			79.3ppm		
Lead						Total Solids					
Magnesium						Zinc					
Manganese			less than 0.05ppm								
Anionic (ABS&LAS)			less than 0.01ppm			Cationic					
Anionic (sulfated)						Nonionic					

### BACTERIOLOGICAL

TEST	AGG. PLATE	DIL. CELLS	TOTAL	METH.	TECH. IN.	TEST	AGG. PLATE	DIL. CELLS	TOTAL	METH.	TECH. IN.
Total Cells											
Coliform			0/100mls								
Fecal Strep.											

Remarks Bacteriologically this water considered safe for human consumption.

"Certified Public Health Laboratory"

Director \_\_\_\_\_





31-42-132

1970 87

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

Permit No. 31-10,709  
Application No. \_\_\_\_\_  
County \_\_\_\_\_

WELL RECORD 3110709  
31.42.132

1. OWNER James Falisi ADDRESS Leonard Cake Road, Franklin Twp. N.J.  
Owner's Well No. 4 SURFACE ELEVATION 125 Feet  
(Above mean sea level)
2. LOCATION Leonard Cake Road, Franklin Township, N. J.
3. DATE COMPLETED 3-9-77 DRILLER M. J. Dechamps #1065
4. DIAMETER: top 1 1/2 inches Bottom 1 1/2 inches TOTAL DEPTH 50 Feet
5. CASING: Type Galv. Steel Diameter 1 1/2 inches Length 45 feet
6. SCREEN: Type S.S. Size of Opening 60 Diameter 1 1/2 inches Length 5 feet  
Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet Geologic Formation \_\_\_\_\_  
Tail piece: Diameter \_\_\_\_\_ inches Length \_\_\_\_\_ feet
7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per Minute at \_\_\_\_\_ Feet above surface  
Water rises to \_\_\_\_\_ Feet above surface
8. RECORD OF TEST: Date \_\_\_\_\_ Yield 20 Gallons per minute  
Static water level before pumping 15 Feet below surface  
Pumping level 15 feet below surface after 2 hours pumping  
Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown  
How Pumped Dewatering Pump How measured 5 gal. container  
Observed effect on nearby wells None
9. PERMANENT PUMPING EQUIPMENT:  
Type S.W. Jet Mfrs. Name Myers  
Capacity 7 G.P.M. How Driven Electric H.P. 1/2 R.P.M. 3450  
Depth of Pump in well \_\_\_\_\_ Feet Depth of Footpiece in well \_\_\_\_\_ Feet  
Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ inches
10. USED FOR Domestic AMOUNT { Average 200 Gallons Daily  
Maximum 400 Gallons Daily
11. QUALITY OF WATER Good Sample: Yes \_\_\_\_\_ No \_\_\_\_\_  
Taste None Odor None Color Clear Temp. 55 °F
12. LOG \_\_\_\_\_ Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)
13. SOURCE OF DATA Charles Hitzelberger #1066
14. DATA OBTAINED BY Charles Hitzelberger #1066 Date 3-9-77

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements etc.)



DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

31-42-132  
Permit No. 31-10965  
Application No. \_\_\_\_\_  
County \_\_\_\_\_

WELL RECORD

3110965  
31.42.132

1. OWNER Wm. L. Jones ADDRESS Franklinville N.J.

Owner's Well No. \_\_\_\_\_ SURFACE ELEVATION \_\_\_\_\_ Feet  
(Above mean sea level)

2. LOCATION Spring Rd. Lumberville N.J.

3. DATE COMPLETED 5/11/77 DRILLER Warren Robbins

4. DIAMETER: top 4 inches Bottom 4 inches TOTAL DEPTH 50 Feet

5. CASING: Type Steel Diameter 4 inches Length 40 Feet

6. SCREEN: Type Brass Size of Opening 20 Diameter 4 inches Length 10 Feet

Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet  
Geologic Formation Cohansey

Tail piece: Diameter \_\_\_\_\_ inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY NO Gallons per Minute at \_\_\_\_\_ Feet above surface  
Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date 5/11/77 Yield 10 Gallons per minute  
Static water level before pumping \_\_\_\_\_ Feet below surface

Pumping level \_\_\_\_\_ feet below surface after \_\_\_\_\_ hours pumping.  
Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gal. per min. per ft. of drawdown

How Pumped Air Compressor How measured Meter  
Observed effect on nearby wells None

9. PERMANENT PUMPING EQUIPMENT:  
Type Not Installed by us. Mfrs. Name \_\_\_\_\_

Capacity \_\_\_\_\_ G.P.M. How Driven \_\_\_\_\_ H.P. \_\_\_\_\_ R.P.M. \_\_\_\_\_  
Depth of Pump in well \_\_\_\_\_ Feet Depth of footpiece in well \_\_\_\_\_ Feet  
Depth of Air Line in well \_\_\_\_\_ Feet Type of Motor on Pump \_\_\_\_\_ Size \_\_\_\_\_ inches

10. USED FOR Domestic AMOUNT { Average 450 Gallons Daily  
Maximum \_\_\_\_\_ Gallons Daily

11. QUALITY OF WATER Good Sample: Yes \_\_\_\_\_ No \_\_\_\_\_  
Taste None Odor None Color Clear Temp. 54 °F

12. LOG \_\_\_\_\_ Are samples available? NO  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)

13. SOURCE OF DATA Warren Robbins

14. DATA OBTAINED BY \_\_\_\_\_ Date 8/10/78

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements etc.)



31-32-793

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

Permit No. 31-11156  
Application No. \_\_\_\_\_  
County \_\_\_\_\_

WELL RECORD

311156  
31.32.793

1. OWNER A. J. Saia ADDRESS R. D. 1 Box 416 Glassboro, N. J.

Owner's Well No. 23 SURFACE ELEVATION 100 Feet  
(Above mean sea level)

2. LOCATION Delsea Dr. & Williamstown Road Franklinville, N. J.

3. DATE COMPLETED 5-17-77 DRILLER M. J. Dechamps #1065

4. DIAMETER: top 2 inches Bottom 2 inches TOTAL DEPTH 30 Feet

5. CASING: Type Galv. Steel Diameter 2 inches Length 25 Feet

6. SCREEN: Type SS Size of Opening 60 Diameter 2 inches Length 5 feet

Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet  
Geologic Formation \_\_\_\_\_

Tall piece Diameter \_\_\_\_\_ inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per Minute at \_\_\_\_\_ Feet above surface  
Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date 5-17-77 Yield 25 Gallons per minute  
Static water level before pumping 10 Feet below surface  
Pumping level 10 feet below surface after 2 hours pumping  
Drawdown \_\_\_\_\_ feet Specific Capacity \_\_\_\_\_ Gal. per min. per ft. of drawdown  
How Pumped Dewatering Pump How measured 5 gal container  
Observed effect on nearby wells None

9. PERMANENT PUMPING EQUIPMENT:

Type S. W. Jet Mfrs. Name Gould  
Capacity 30 G.P.M. How Driven Elect Motor H.P. 1 R.P.M. 3450  
Depth of Pump in well \_\_\_\_\_ Feet Depth of footpiece in well \_\_\_\_\_ Feet  
Depth of Air Line in well \_\_\_\_\_ Feet Type of Motor on Pump \_\_\_\_\_ Size \_\_\_\_\_ inches

10. USED FOR Tap room AMOUNT { Average 1000 Gallons Daily  
Maximum 2000 Gallons Daily

11. QUALITY OF WATER Good Sample: Yes X No. \_\_\_\_\_  
Taste None Odor None Color Clear Temp. 55 °F

12. LOG Sand Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)

13. SOURCE OF DATA M. J. Dechamps #1065

14. DATA OBTAINED BY M. J. Dechamps #1065 Date 5-18-77

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, etc.)



DEC 27 1978

Permit No. ~~31-12318~~  
Application No. \_\_\_\_\_  
County \_\_\_\_\_

WELL RECORD 3112318 31-42-132

1. OWNER Anthony Sylvester ADDRESS Leonard Lake Rd. Franklinville, N.J.  
Owner's Well No. N/A SURFACE ELEVATION 100 Feet  
(Above mean sea level)

2. LOCATION next to barn

3. DATE COMPLETED Dec. 77 DRILLER Vance Skinner Co.

4. DIAMETER: top 4 inches Bottom 4 inches TOTAL DEPTH 60 Feet

5. CASING: Type PVC Diameter 4 inches Length 30 Feet

6. SCREEN: Type PVC Size of Opening 1/50" Diameter 4 inches Length 30 Feet

Range in Depth { Top 30 Feet  
Bottom 60 Feet } Geologic Formation Tch

Tail piece: Diameter \_\_\_\_\_ inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per Minute at \_\_\_\_\_ Feet above surface  
Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date \_\_\_\_\_ Yield \_\_\_\_\_ Gallons per minute  
Static water level before pumping \_\_\_\_\_ Feet below surface  
Pumping level \_\_\_\_\_ feet below surface after \_\_\_\_\_ hours pumping  
Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown  
How Pumped \_\_\_\_\_ How measured \_\_\_\_\_  
Observed effect on nearby wells \_\_\_\_\_

9. PERMANENT PUMPING EQUIPMENT:  
Type unknown Mfrs. Name \_\_\_\_\_  
Capacity unknown G.P.M. How Driven \_\_\_\_\_ H.P. \_\_\_\_\_ R.P.M. \_\_\_\_\_  
Depth of Pump in well \_\_\_\_\_ Feet Depth of Footpiece in well \_\_\_\_\_ Feet  
Depth of Air Line in well \_\_\_\_\_ Feet Type of Motor on Pump \_\_\_\_\_ Size \_\_\_\_\_ inches

10. USED FOR \_\_\_\_\_ AMOUNT { Average \_\_\_\_\_ Gallons Daily  
Maximum \_\_\_\_\_ Gallons Daily

11. QUALITY OF WATER \_\_\_\_\_ Sample: Yes \_\_\_\_\_ No.   
Taste none Odor none Color clear Temp. 58° OF

12. LOG \_\_\_\_\_ Are samples available? no  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)

13. SOURCE OF DATA well Record - Vance Skinner Co.

14. DATA OBTAINED BY Thomas Kolman Date Jan. 2-79

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements etc.)





31-32-798

FORM 97

4/28/78

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Permit No. 31-13457

3113457  
31.32.798

Application No. \_\_\_\_\_

County Gloucester

WELL RECORD

1. OWNER P+C Enterprises ADDRESS Rd 3, Box 322A, NewFrold  
Owner's Well No. \_\_\_\_\_ SURFACE ELEVATION \_\_\_\_\_ Feet  
(Above mean sea level)

2. LOCATION Elberta Ave Franklinton Gloucester Co

3. DATE COMPLETED 8-14-78 DRILLER Dave Mattus

4. DIAMETER: top 8 inches Bottom 8 inches TOTAL DEPTH 70 Feet

5. CASING: Type Pvc Diameter 4 inches Length 60 Feet

6. SCREEN: Type Pvc Size of Opening slt Diameter 3 inches Length 10 Feet

Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet  
Geologic Formation \_\_\_\_\_

Tail piece: Diameter \_\_\_\_\_ inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per Minute at \_\_\_\_\_ Feet above surface  
Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date did not test Yield \_\_\_\_\_ Gallons per minute  
Static water level before pumping 16 Feet below surface

Pumping level \_\_\_\_\_ feet below surface after \_\_\_\_\_ hours pumping

Drawdown \_\_\_\_\_ Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown

How Pumped \_\_\_\_\_ How measured \_\_\_\_\_

Observed effect on nearby wells \_\_\_\_\_

9. PERMANENT PUMPING EQUIPMENT:

Type Jet Mfrs. Name Jouzzi

Capacity 12 G.P.M. How Driven electric H.P. 1/2 R.P.M. 3450

Depth of Pump in well \_\_\_\_\_ Feet Depth of Footpiece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ inches

10. USED FOR Domestic AMOUNT { Average \_\_\_\_\_ Gallons Daily  
Maximum \_\_\_\_\_ Gallons Daily

11. QUALITY OF WATER Good Sample: Yes \_\_\_\_\_ No \_\_\_\_\_

Taste Good Odor \_\_\_\_\_ Color \_\_\_\_\_ Temp. \_\_\_\_\_ of

12. LOG \_\_\_\_\_ Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)

13. SOURCE OF DATA D'Agostino Well Drilling Inc

14. DATA OBTAINED BY \_\_\_\_\_ Date \_\_\_\_\_

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements etc.)



515776

31-32-799

FORM 87

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Permit No. 3113520

3113520  
31.32.799

Application No. \_\_\_\_\_

County \_\_\_\_\_

WELL RECORD

1. OWNER JOHANNES GIRSANG ADDRESS 1230 KILWOOD DRIVE VLD N.J.  
Owner's Well No. \_\_\_\_\_ SURFACE ELEVATION TWELVE FEET Feet  
(Above mean sea level)

2. LOCATION LOT 10 BLOCK 13-2 FRANKLIN TWP.

3. DATE COMPLETED NOV 28 DRILLER EMILE GABURO

4. DIAMETER: top 2" inches Bottom 2" inches TOTAL DEPTH 80 Feet

5. CASING: Type GALV. Diameter 2" inches Length \_\_\_\_\_ Feet

6. SCREEN: Type STAINLESS Size of Opening 1/4" Diameter 2" inches Length 4" Feet

Range in Depth { Top 80' Feet  
Bottom \_\_\_\_\_ Feet  
Geologic Formation SAND

Tail piece: Diameter NONE inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per Minute at \_\_\_\_\_ Feet above surface  
Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date \_\_\_\_\_ Yield \_\_\_\_\_ Gallons per minute  
Static water level before pumping TWELVE FEET Feet below surface  
Pumping level TWELVE feet below surface after 18 hr hours pumping  
Drawdown SIX Feet Specific Capacity \_\_\_\_\_ Gals. per min. per ft. of drawdown  
How Pumped BLEW WELL OUT How measured \_\_\_\_\_  
Observed effect on nearby wells NONE

9. PERMANENT PUMPING EQUIPMENT:  
Type JET Mfrs. Name SEM RITE  
Capacity 15 G.P.M. How Driven ELEC. H.P. 1/4 R.P.M. \_\_\_\_\_  
Depth of Pump in well \_\_\_\_\_ Feet Depth of Footpiece in well \_\_\_\_\_ Feet  
Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump PRESSURE GAUGE Size 1/2 inches

10. USED FOR DOMESTIC AMOUNT { Average \_\_\_\_\_ Gallons Daily  
Maximum \_\_\_\_\_ Gallons Daily

11. QUALITY OF WATER \_\_\_\_\_ Sample: Yes \_\_\_\_\_ No \_\_\_\_\_  
Taste \_\_\_\_\_ Odor \_\_\_\_\_ Color \_\_\_\_\_ Temp. \_\_\_\_\_ OF

12. LOG \_\_\_\_\_ Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)

13. SOURCE OF DATA WELL DRILLER

14. DATA OBTAINED BY Emile Gaburo Date NOV-98

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements etc.)

**WELL RECORD**

Well Permit No. 31-38512  
Atlas Sheet Coordinates 31 : 32 : 798

**OWNER IDENTIFICATION** - Owner PORCH, BILL  
Address 1680 STATION ROAD  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address Elberta & Champion Road  
County Gloucester Municipality FRANKLIN TWP Lot No. 3 Block No. 4104

**WELL USE** withdrawal Status in use

**WATER USE** Domestic Average 500 gals. daily Maximum 1800 gals. daily

**WELL CONSTRUCTION** Date well completed 2 / 19 / 92  
**BOREHOLE DIMENSIONS** Depths: Total 65 ft. Finished 65 ft.  
Diameter: Top 6 in. Bottom 6 in.  
Land Surface Elevation at well 105 ft. Elevation was determined using estimated from map  
Casing Height (stick-up) 2 1/2 ft. below land surface

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>58</u>	<u>2</u>	<u>PVC sch. 40</u>
Casing 2				
Casing 3				
Screen 1	<u>58</u>	<u>7</u>	<u>2</u>	<u>PVC slot .015</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>56</u>	<u>9</u>	<u>6</u>	<u>#1 &amp; #2 well gravel</u>
Grout	<u>0</u>	<u>56</u>		<u> Bentonite slurry</u>
Grouting Method	<u>pressure / tremie</u>			

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 2 / 19 / 92  
Static water-level before pumping 16 ft. below land surface. Water level 24 ft. below land surface after 1 hrs. of pumping.  
Water level was measured using lift/pump Drawdown 8 ft.  
Discharge rate measured using bucket/timer Discharge Rate 10 gals. per min.  
Well was pumped using Jet Specific Capacity 1.25 gals. per min. per ft. of drawdown  
Observed effects on nearby wells none  
Water Quality (taste, odor, color, etc.) okay

**PERMANENT PUMPING EQUIPMENT** Installed by D'Agostinos Pump Type Jet  
Mfrs. Name N/A Model N/A  
CAPACITY: Pump delivers 10 GPM at 40 PSI pressure.  
POWER: 1/2 HP at 3450 RPM Power Source electric  
DEPTHS: Pump \_\_\_\_\_ ft. Footpiece 36 ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

**CONTRACTOR** - Name of Drilling Contractor D'AGOSTINO WELL DRILLING  
Address RR#8, box 122  
City Bridgeton, NJ 08302 State \_\_\_\_\_ Zip Code \_\_\_\_\_  
Name of Driller David Mattus License No. 1005

Signature of Contractor \_\_\_\_\_ Date 2 / 25 / 92

COPIES: White - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.







**WELL RECORD**

Well Permit No. 31 - 38937  
Atlas Sheet Coordinates 31 : 32 : 799

**OWNER IDENTIFICATION** - Owner WHITNEY, JAMES  
Address 1549 D CARMEN AVENUE  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address \_\_\_\_\_  
County Gloucester Municipality FRANKLIN TWP Lot No. 17 Block No. 4116

**WELL USE** Domestic Replacement Status \_\_\_\_\_

**WATER USE** Domestic Average 600 gals. daily Maximum 750 gals. daily

**WELL CONSTRUCTION** Date well completed 4 / 29 / 92  
**BOREHOLE DIMENSIONS** Depths: Total 100 ft. Finished 100 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 1.2 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>91.2</u>	<u>4</u>	<u>Pvc FJ sch 40</u>
Casing 2				
Casing 3				
Screen 1	<u>90</u>	<u>10</u>	<u>4</u>	<u>Pvc FJ sch 40 (0.010)</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>85</u>	<u>15</u>		<u>#1 well gravel</u>
Grout	<u>3</u>	<u>82</u>		<u>Bentonite</u>
Grouting Method	<u>Tremie Method</u>			

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 4 / 29 / 92  
Static water-level before pumping 16 ft. below land surface. Water level 16 ft. below land surface after 1/2 hrs. of pumping.  
Water level was measured using M-scope Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using \_\_\_\_\_ Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using Airlift Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells NONE  
Water Quality (taste, odor, color, etc.) Good, None, Clear

**PERMANENT PUMPING EQUIPMENT** Installed by Uni-Tech Pump Type Submersible  
Mfrs. Name Myers Model \_\_\_\_\_  
CAPACITY: Pump delivers 11 GPM at 50 PSI pressure.  
POWER: 1/2 HP at 1725 RPM Power Source \_\_\_\_\_  
DEPTHS: Pump \_\_\_\_\_ ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.  
UNI-TECH DRILLING

**CONTRACTOR** - Name of Drilling Contractor \_\_\_\_\_  
Address PO Box 467  
City Clayton State NJ Zip Code 08312  
Name of Driller Joseph Jester License No. J-1399

Signature of Contractor Joseph Jester Date 4 / 30 / 92

COPIES: White - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.







New Jersey Department of Environmental Protection  
Bureau of Water Allocation  
**DMR MONITORING WELL RECORD**

Well Permit No. 31-51401

Atlas Sheet Coordinates 31 : 32 : 877

OWNER IDENTIFICATION - Owner SOUTH JERSEY GAS CO.

Address 215 CATES RD.

City MCKEE CITY State NJ Zip Code \_\_\_\_\_

WELL LOCATION - If not the same as owner please give address. Owner's Well No. DA-1

County GLOUCESTER Municipality FRANKLIN TWP Lot No. 9A Block No. 66

Address FRIES MILL/BLACKWODTOWN RD.

DATE WELL STARTED 6/9/97

DATE WELL COMPLETED 6/10/97

TYPE OF WELL (as per Well Permit Categories) BORING

Regulatory Program Requiring Well \_\_\_\_\_ Case I.D.# \_\_\_\_\_

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) HARCO Tele. # 610-344-7002

**WELL CONSTRUCTION**

Total depth drilled 200 ft.  
Well finished to 200 ft.

Borehole diameter:  
Top 8 in.  
Bottom 6 in.

Well was finished:  above grade  
 flush mounted

If finished above grade, casing height (stick up) above land surface \_\_\_\_\_ ft.

Was steel protective casing installed?  
 Yes  No

Static water level after drilling N/A ft.

Water level was measured using \_\_\_\_\_

Well was developed for \_\_\_\_\_ hours  
at \_\_\_\_\_ gpm

Method of development \_\_\_\_\_

Was permanent pumping equipment installed?  Yes  No

Pump capacity \_\_\_\_\_ gpm

Pump type: \_\_\_\_\_

Drilling Fluid BENTONITE Type of Rig HILLIARD ATV

Health and Safety Plan submitted?  Yes  No

Level of Protection used on site (circle one) None D C B A

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company M & R SOIL INVESTIGATIONS, INC.

Well Driller (Print) DOUGLAS C. WALKER

Driller's Signature Douglas C. Walker

Registration No. J. 1457 Date 6/10/97

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing					
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)	0	10'	8	SCA. 40 PVC	40
Open Hole or Screen (No. Used )	0	200'	6	-	-
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	180	200	6	COKE BREEZE	± 1800 lbs
Grout	0	180		Neat Cement Bentonite	_____ lbs. ± 200 lbs.

Grouting Method TREMMIE  
Drilling Method MUD ROTARY

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

MP SAND WITH

CLAY LENSES

0 - 140'

CLAY

140' - 200'

**WELL RECORD**

Well Permit No. 31 - 37857  
Atlas Sheet Coordinates 31 : 32 : 798

**OWNER IDENTIFICATION** - Owner KALNAS, CHARLES R.  
Address 1676 STATION ROAD  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. 1  
Address \_\_\_\_\_  
County \_\_\_\_\_ Municipality FRANKLIN TWP Lot No. 8 Block No. 4109

**WELL USE** DOMESTIC Status \_\_\_\_\_

**WATER USE** DRINKING Average 500 gals. daily Maximum 750 gals. daily

**WELL CONSTRUCTION** Date well completed 10 / 24 / 91  
**BOREHOLE DIMENSIONS** Depths: Total 100' ft. Finished 100' ft.  
Diameter: Top 8" in. Bottom 8" in.  
Land Surface Elevation at well 145 ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface +1.5 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1	<u>90'-0'</u>	<u>90'</u>	<u>4"</u>	<u>SC 40 PVC</u>
Casing 2				
Casing 3				
Screen 1	<u>100'-90'</u>	<u>10'</u>	<u>4"</u>	<u>SC 40 PVC #20 SLOT</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>100'-85'</u>	<u>15'</u>		<u>#15 SAND</u>
Grout	<u>85'-0'</u>	<u>85'</u>		<u>BENTONITE</u>
Grouting Method			<u>DRILLING</u>	

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 10 / 24 / 91  
Static water-level before pumping 30' ft. below land surface. Water level 30' ft. below land surface after 1/2 hrs. of pumping.  
Water level was measured using M-SLOPE Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using \_\_\_\_\_ Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using AIRLIFT Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells NONE  
Water Quality (taste, odor, color, etc.) GOOD, NONE, CLEAR

**PERMANENT PUMPING EQUIPMENT** Installed by Richard's Well Drilling Pump Type SUBMERSIBLE  
Mfrs. Name SUTRS Box 244 Newport Road Millville, NJ 08332 Model 390-28111  
CAPACITY: Pump delivers 15 GPM at 50 PSI pressure.  
POWER: 1/2 HP at 3450 RPM Power Source 220VOLT  
DEPTHS: Pump 60' ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

**CONTRACTOR** - Name of Drilling Contractor RICHARD'S WELL DRILLING  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
Name of Driller \_\_\_\_\_ License No. 1169  
Richard's Well Drilling  
Box 244 Newport Road  
Millville, NJ 08332

Signature of Contractor \_\_\_\_\_ Date 11 / 4 / 91

COPIES: White - DEP    Canary - Driller    Pink - Owner    Goldenrod - Health Dept.







**WELL RECORD**

Well Permit No. 31 - 41589  
Atlas Sheet Coordinates 31 : 32 : 795

**OWNER IDENTIFICATION** - Owner BAKER, MICHAEL  
Address 1678 STATION RD.  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 2 Block No. 4108

**WELL USE** Domestic Status in use

**WATER USE** Drinking Water Average 400 gals. daily Maximum 600 gals. daily

**WELL CONSTRUCTION** Date well completed 6/16/93  
**BOREHOLE DIMENSIONS** Depths: Total 80 ft. Finished 80 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well 110 ft. Elevation was determined using Atlas  
Casing Height (stick-up) above land surface -4 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>66</u>	<u>4</u>	<u>PVC</u>
Casing 2				
Casing 3				
Screen 1	<u>70</u>	<u>10</u>	<u>4</u>	<u>PVC, 020</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>65</u>	<u>15</u>		<u>#1 Marie</u>
Grout	<u>4</u>	<u>61</u>		<u>Bentonite</u>
Grouting Method	<u>Pumped</u>			

**WELL FLOWS NATURALLY** 0 gals. per min. at 0 ft. above the land surface.  
Water rises to 0 ft. above the land surface.

**RECORD OF TEST** Test Date 6/16/93  
Static water-level before pumping 20 ft. below land surface. Water level NA ft. below land surface after \_\_\_\_\_ hrs. of pumping.  
Water level was measured using Steel tape Drawdown NA ft.  
Discharge rate measured using NA Discharge Rate NA gals. per min.  
Well was pumped using NA Specific Capacity NA gals. per min. per ft. of drawdown  
Observed effects on nearby wells NA  
Water Quality (taste, odor, color, etc.) Good None Clear

**PERMANENT PUMPING EQUIPMENT** Installed by H. Garrison Pump Type Jet  
Mfrs. Name Myers Model 41505  
CAPACITY: Pump delivers 10 GPM at 30 PSI pressure.  
POWER: 1/2 HP at 3450 RPM Power Source Elect  
DEPTHS: Pump NA ft. Footpiece 30 ft. Airline NA ft.  
FLOW METER: Model NA installed on \_\_\_\_\_ in. diameter pipe.

**CONTRACTOR** - Name of Drilling Contractor HOOVER GARRISON  
Address 110 Rieck Ave  
City Millville State NJ Zip Code 08332  
Name of Driller Same License No. 11049

Signature of Contractor Hoover Garrison Date 6/18/93

COPIES: White - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.





31.32.796

DEPARTMENT OF CONSERVATION  
AND ECONOMIC DEVELOPMENT  
Division of Water Policy & Supply  
WELL RECORD

Permit No. 31-470  
Application No. \_\_\_\_\_  
County \_\_\_\_\_

3100470  
31.32.796

1. OWNER Franklin Township ADDRESS Franklin Township, N.J.  
Owner's Well No. Well No. 1 SURFACE ELEVATION \_\_\_\_\_ Feet  
(Above mean sea level)

2. LOCATION 1 mile South of Franklinville on Delsea Drive

3. DATE COMPLETED 3/6/52 DRILLER A. C. Schultes & Sons

4. DIAMETER: Top 6" Inches Bottom 6" Inches TOTAL DEPTH 90 Feet

5. CASING: Type Black Steel Diameter 6" Inches Length 71' 5" Feet

6. SCREEN: Type Cook Size of Opening 0.20 Diameter 6" Inches Length 20' 1" Feet

Range in Depth { Top 70' Feet Geologic Formation Cohansey  
Bottom 90' Feet

Tail piece. Diameter None Inches Length / Feet

7. WELL FLOWS NATURALLY None Gallons per Minute at / Feet above surface  
Water rises to / Feet above surface

8. RECORD OF TEST: Date 3/6/52 Yield 60 Gallons per minute  
Static water level before pumping 21 Feet below surface  
Pumping level 40 feet below surface after 8 hrs. hours pumping  
Drawdown 19 Feet Specific Capacity 3 Gals. per min. per ft. of drawdown  
How Pumped air lift How measured Wier

Observed effect on nearby wells None

9. PERMANENT PUMPING EQUIPMENT:

Type Deep Well Turbine Capacity 50 Gallons per minute

How Driven Electric Motor Horse Power \_\_\_\_\_ R.P.M. \_\_\_\_\_

Depth of pump in well 50 Feet Depth of Foot piece in well 65 Feet

Depth of Air Line in well 50 Feet Type of Meter on Pump None

10. USED FOR Supply for school AMOUNT { Average 2000 Gallons Daily  
Maximum 5000 Gallons Daily

11. QUALITY OF WATER Good Sample: Yes / No. \_\_\_\_\_  
Taste None Odor None Color Clear Temperature / °F

12. LOG \_\_\_\_\_ Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet)

13. SOURCE OF DATA Driller's Log

14. DATA OBTAINED BY A. C. Schultes Jr DATE 3/10/52

(Note: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

3100470  
31.32.796

- 0 - 12' Sand ) *Plast*  
12' - 15' Gravel )  
15' - 17' Gravel mixed with clay )  
17' - 26' Small gravel  
26' - 31' Sandy Clay  
31' - 35' Small gravel  
35' - 40' Brown Sand  
40' - 51' Brown Sand  
51' - 53' Red Sand  
53' - 91' Fine Sand  
91' - 114' Soft Gray Clay  
114' - 117' Sand  
117' - 125' Mucky soft clay  
125' - 128' Fine white sand

RECEIVED  
MAY 19 1952  
Department of Conservation  
Geologic & Top. Survey



**WELL RECORD**

Well Permit No. 31 - 42536  
Atlas Sheet Coordinates 31 : 32 : 799

OWNER IDENTIFICATION - Owner HOFFMAN, JOSEPH J. JR.  
Address BLACKWOODTOWN RD.  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION - If not the same owner please give address. Owner's Well No. 4  
Address Delsea Drive, Franklinville, N.J.  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 5 Block No. 4204

WELL USE Withdraw Status In Use

WATER USE domestic Average 600 gals. daily Maximum 700 gals. daily

WELL CONSTRUCTION Date well completed 10 / 5 / 93  
BOREHOLE DIMENSIONS Depths: Total 108 ft. Finished 108 ft.  
Diameter: Top 8 1/2 in. Bottom 8 1/2 in.  
Land Surface Elevation at well 100 ft. Elevation was determined using Map #31  
Casing Height (stick-up) above land surface 1.5 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>94</u>	<u>4</u>	<u>PVC F-480</u>
Casing 2				
Casing 3				
Screen 1	<u>94</u>	<u>10</u>	<u>4</u>	<u>PVC F-480 .012 slot</u>
Screen 2				
Tail Piece		<u>4</u>	<u>4</u>	
Gravel Pack	<u>90</u>	<u>18</u>	<u>8 1/2</u>	<u>Marie #2</u>
Grout	<u>0</u>	<u>90</u>		<u>Bentonite</u>
Grouting Method			<u>pressure</u>	

WELL FLOWS NATURALLY \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

RECORD OF TEST Test Date 10 / 5 / 93  
Static water-level before pumping 10 ft. below land surface. Water level \_\_\_\_\_ ft. below land surface after \_\_\_\_\_ hrs. of pumping.  
Water level was measured using 55 gal drum M-Scope Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using 55 gal drum Discharge Rate 110 gals. per min.  
Well was pumped using Air Lift Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells \_\_\_\_\_  
Water Quality (taste, odor, color, etc.) Tasteless, odorless, Clear

PERMANENT PUMPING EQUIPMENT Installed by F.C. Capel & Son Pump Type Submersible  
Mfrs. Name Myers Model J152SP  
CAPACITY: Pump delivers 25 GPM at 50 PSI pressure.  
POWER: 1 1/2 HP at 3450 RPM Power Source Electric  
DEPTHS: Pump 40 ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor F.C. CAPEL & SON  
Address Rd #2 Box 386-A  
City Mullica Hill State N.J. Zip Code 08062  
Name of Driller F.C. Capel License No. 887

Signature of Contractor F.C. Capel Date 10 / 6 / 93





**WELL RECORD**

Well Permit No. 31 42798  
Atlas Sheet Coordinates 31 : 32 : 796

**OWNER IDENTIFICATION** - Owner FURITAN OIL COMPANY INC  
Address P.O. BOX 274  
City BELLMAR State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. \_\_\_\_\_  
Address Rt 47  
County GLoucester Municipality FRANKLIN TWP Lot No. 9A3 Block No. 66

**WELL USE** NON Public Status \_\_\_\_\_

**WATER USE** NON Public Average 200 gals. daily Maximum 300 gals. daily

**WELL CONSTRUCTION** Date well completed 10 / 29 / 93  
**BOREHOLE DIMENSIONS** Depths: Total 100 ft. Finished 100 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 1.6 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>91.6'</u>	<u>4"</u>	<u>PVC Sch 40 FJ</u>
Casing 2				
Casing 3	<u>90'</u>	<u>10'</u>	<u>4"</u>	<u>PVC Sch 40 FJ .010</u>
Screen 1				
Screen 2				
Tail Piece	<u>80'</u>	<u>20'</u>		<u>#2 morie</u>
Gravel Pack	<u>3'</u>	<u>7'</u>		<u>Bentonite Grout</u>
Grout				
Grouting Method		<u>Tremie</u>		

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 11 / 1 / 93  
Static water level before pumping 28 ft. below land surface. Water level 28 ft. below land surface after 1 hrs. of pumping.  
Water level was measured using M-Scope Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using \_\_\_\_\_ Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using Air Lift Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells NONE  
Water Quality (taste, odor, color, etc.) Good - none - clear

**PERMANENT PUMPING EQUIPMENT** Installed by Uni-Tech Drilling Pump Type Submersible  
Mfrs. Name Myers Model \_\_\_\_\_  
CAPACITY: Pump delivers 12 GPM at 50 PSI pressure.  
POWER: 1/2 HP at 1725 RPM Power Source 115v  
DEPTHS: Pump 52' ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

**CONTRACTOR** - Name of Drilling Contractor UNI-TECH DRILLING  
Address P.O. BOX 634  
City Newfield State NJ Zip Code 08344  
Name of Driller Joseph Jester License No. J1399

Signature of Contractor Joseph Jester Date 11 / 4 / 93

COPIES: White - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.





DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT Division of Water Policy & Supply

Permit No. 31-857

Application No. \_\_\_\_\_

County \_\_\_\_\_

WELL RECORD 3100857

31.42.251

1. OWNER John De Grossa ADDRESS Delwin Drive, Malaga, N.J. Owner's Well No. 31-857 SURFACE ELEVATION 12 Feet (Above mean sea level)

2. LOCATION East side Delwin Drive South of Old Malaga Road Center section Malaga N.J.

3. DATE COMPLETED 2/19/53 DRILLER Rudolf Skypala #433

4. DIAMETER: Top 2 Inches Bottom 1 3/4 Inches TOTAL DEPTH 42 Feet

5. CASING: Type Black Steel Diameter 2 Inches Length 37 Feet

6. SCREEN: Type Slotted Brass Size of Opening #10 Diameter 1 3/4 Inches Length 5'-6" Feet

Range in Depth { Top 37 Feet Geologic Formation Sand Bottom 42 Feet

Tail piece. Diameter none Inches Length 0 Feet

7. WELL FLOWS NATURALLY No Gallons per Minute at \_\_\_\_\_ Feet above surface Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date 2/20/53 Yield 10 Gallons per minute Static water level before pumping 12 Feet below surface

Pumping level 7 feet below surface after 1/2 hours pumping

Drawdown 7 Feet Specific Capacity ? Gals. per min. per ft. of drawdown

How Pumped Hand Pump How measured 5 gal pail

Observed effect on nearby wells None

9. PERMANENT PUMPING EQUIPMENT: ? To be installed By Owner Type \_\_\_\_\_ Capacity \_\_\_\_\_ Gallons per minute

How Driven \_\_\_\_\_ Horse Power \_\_\_\_\_ R.P.M. \_\_\_\_\_

Depth of pump in well \_\_\_\_\_ Feet Depth of Foot piece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_

10. USED FOR Domestic AMOUNT { Average 600 Gallons Daily Maximum 700 Gallons Daily

11. QUALITY OF WATER Good. Sample: Yes \_\_\_\_\_ No. [checked] Taste Good Odor none Color clear Temperature ? OF

12. LOG On reverse Side Are samples available? no (Give details on back of sheet or on separate sheet)

13. SOURCE OF DATA On location of Well

14. DATA OBTAINED BY Rudolf Skypala DATE 2/20/53

(Note: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)



Log: Layers of Sand & gravel to 12' Top G.  
 12' to 18' Mud with Stones 3100857  
 18 to 35 Stones with fine Sand. 31142.251  
 35 to 37 Jersey Red Rock  
 37 to 42 Med. Grained Water Sand.  
 42 to ? Jersey red rock + Clay.

RECEIVED  
 FEB 26 1953  
 Department of Conservation  
 Biological Development  
 Maurice A. Thompson



31.32.795

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT Division of Water Policy & Supply WELL RECORD

Permit No. 31-947 Application No. County

3100947 31.32.795

1. OWNER Elton Holdcraft ADDRESS Station Road, Lona, N.J. Owner's Well No. 31-947 SURFACE ELEVATION 21 Feet (Above mean sea level)

2. LOCATION 315 Ft. West of Delsia Dr and 245' North of Station Road.

3. DATE COMPLETED May 9, 53 DRILLER Rudy Skypala #433

4. DIAMETER: Top 2 Inches Bottom 1 3/4 Inches TOTAL DEPTH 41 Feet

5. CASING: Type Black Steel pipe Diameter 2 Inches Length 32 Feet

6. SCREEN: Type Slotted Brass Size of Opening #10 Diameter 1 3/4 Inches Length 5'-6" Feet

Range in Depth { Top 36 Feet Bottom 41 Feet Geologic Formation Sand.

Tail piece. Diameter None Inches Length Feet

7. WELL FLOWS NATURALLY No Gallons per Minute at Feet above surface Water rises to Feet above surface

8. RECORD OF TEST: Date May 9, 53 Yield 600 Gallons per Hour Static water level before pumping 21 Feet below surface

Pumping level 25 feet below surface after 1 hours pumping Drawdown 4 Feet Specific Capacity 2 1/2 Gals. per min. per ft. of drawdown

How Pumped Handline Pump How measured 5 gal pail Observed effect on nearby wells NONE

9. PERMANENT PUMPING EQUIPMENT: Type 250 gal. Dr. piston Capacity 250 Gallons per Hr.

How Driven Electric Horse Power 1/2 R.P.M. 1750

Depth of pump in well None Feet Depth of Foot piece in well Feet

10. USED FOR Domestic AMOUNT { Average 500 Gallons Daily Maximum 600 Gallons Daily

11. QUALITY OF WATER Good Sample: Yes No Taste Good Odor none Color clear Temperature ? OF

12. LOG On reverse side. Are samples available? No (Give details on back of sheet or on separate sheet)

13. SOURCE OF DATA Location of Well

14. DATA OBTAINED BY Rudy Skypala DATE May 9, 1953

(Note: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

Log: Gravel to 19' depth.

19 to 30' Small stones with sand.

31 to 36' Clay

36 to 41' sand.

41 to ? Clay

3100947

31.32.795

RECEIVED  
MAY 29 1953  
Department of Conservation  
& Natural Resources  
Geologic & Top. Survey



DEPARTMENT OF CONSERVATION  
AND ECONOMIC DEVELOPMENT  
Division of Water Policy & Supply

31.42.2 11  
Permit No. 31-1646  
Application No. \_\_\_\_\_  
County \_\_\_\_\_

WELL RECORD 3101646  
31.42.211

1. OWNER Isaac Leonard ADDRESS Delia Drive Lona, N.J.  
Owner's Well No. 31-1646 SURFACE ELEVATION 11 Feet  
(Above mean sea level)

2. LOCATION 75' West of Delia Dr + 300' N. of Leonard Lake Road. Lona

3. DATE COMPLETED 10/13/54 DRILLER Rudy Skypala

4. DIAMETER: Top 2 Inches Bottom 1 3/4 Inches TOTAL DEPTH 40 Feet

5. CASING: Type Black Steel pipe Diameter 2 Inches Length 34 Feet

6. SCREEN: Type Slotted Brass Size of Opening 10 Diameter 1 3/4 Inches Length 6 Feet

Range in Depth { Top 34 Feet Geologic Formation Sand.  
Bottom 40 Feet

Tail piece. Diameter none Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per Minute at \_\_\_\_\_ Feet above surface  
Water rises to NO Feet above surface

8. RECORD OF TEST: Date 10/13/54 Yield 15 Gallons per minute

Static water level before pumping 11 Feet below surface

Pumping level 21 feet below surface after 1 hours pumping

Drawdown 10 Feet Specific Capacity 1.5 Gals. per min. per ft. of drawdown

How Pumped Gorham Pump How measured 50 gal drum

Observed effect on nearby wells None

9. PERMANENT PUMPING EQUIPMENT:

Type 1/2 HP Piston Capacity 5 1/2 Gallons per minute

How Driven Electric Horse Power 1/2 R.P.M. 1750

Depth of pump in well \_\_\_\_\_ Feet Depth of Foot piece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_

10. USED FOR Domestic  
AMOUNT { Average 800 Gallons Daily  
Maximum 900 Gallons Daily

11. QUALITY OF WATER Good Sample: Yes \_\_\_\_\_ No. 4  
Taste good Odor none Color clear Temperature ? OF

12. LOG On reverse side Are samples available? No  
(Give details on back of sheet or on separate sheet)

13. SOURCE OF DATA On Location of Well

14. DATA OBTAINED BY Rudy Skypala DATE 10/13/54

(Note: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

3101646  
31.42.211

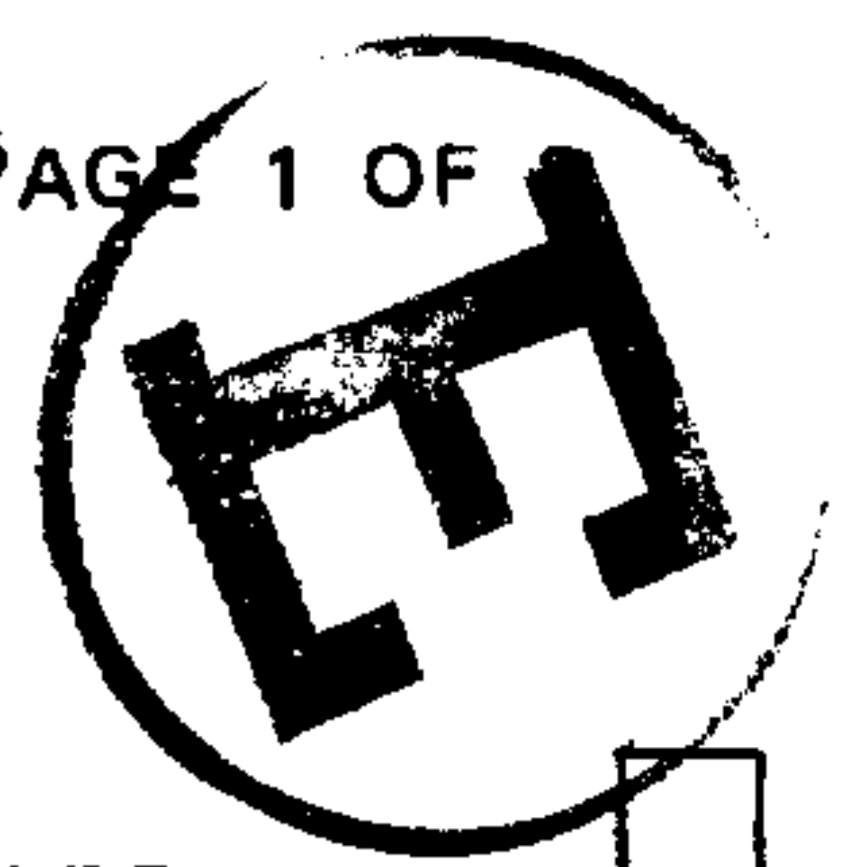
Log: Sand Log of ground to  $2\frac{1}{2}'$   
 $2\frac{1}{2}'$  to 9' Gravel  
9' to 17' Sand  
17' to 18' Clay  
18' to 22' mud  
22' to 40' Sharp Sand  
40' to ? Clay

RECEIVED

OCT 22 1954

Department of Conservation  
& Economic Development  
Geologic & Top. Survey





WELL RECORD

Well Permit No. 31 - 44028  
Atlas Sheet Coordinates 31 : 42 : 133

OWNER IDENTIFICATION - Owner USDA FARMERS HOME ADMINIS  
Address 595 OAK LANE  
City MALAGA State NJ Zip Code 08328

WELL LOCATION - If not the same owner please give address. Owner's Well No. 31-44028  
Address same as above  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 33 Block No. 4904

WELL USE Domestic- Status In use

WATER USE Domestic- Average 300 gals. daily Maximum 300 gals. daily

WELL CONSTRUCTION Date well completed 06/28/94  
BOREHOLE DIMENSIONS Depths: Total 70' ft. Finished 70' ft.  
Diameter: Top 8" in. Bottom 8" in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 1' ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>60'</u>	<u>4"</u>	<u>PVC sch 40 casing</u>
Casing 2				
Casing 3				
Screen 1	<u>60'</u>	<u>10'</u>	<u>4"</u>	<u>PVC x .010 slot</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>60'</u>	<u>10'</u>	<u>2"</u>	<u>#2 Well Gravel</u>
Grout	<u>0</u>	<u>60'</u>		<u>WYO Bond</u>
Grouting Method	<u>Chem grouted / Pressure grouted W. / Tremie Pipe</u>			

WELL FLOWS NATURALLY \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to 1 ft. above the land surface.

RECORD OF TEST Test Date 06/28/94  
Static water-level before pumping 10' ft. below land surface. Water level 10' ft. below land surface after 1 hrs. of pumping.  
Water level was measured using Tape Drawdown 0 ft.  
Discharge rate measured using Watch & Bucket Discharge Rate 80 gals. per min.  
Well was pumped using Air Specific Capacity 0 gals. per min. per ft. of drawdown  
Observed effects on nearby wells none  
Water Quality (taste, odor, color, etc.) Good none clear

PERMANENT PUMPING EQUIPMENT Installed by Kevin Anderson #0692 Pump Type Submersible  
Mfrs. Name Myers Model J-511  
CAPACITY: Pump delivers 11 GPM at 40 PSI pressure.  
POWER: 1/2 HP at 3450 RPM Power Source electric 220 volts  
DEPTHS: Pump 45' ft. Footpiece ---- ft. Airline --- ft.  
FLOW METER: Model 2" guage installed on 1" in. diameter pipe.

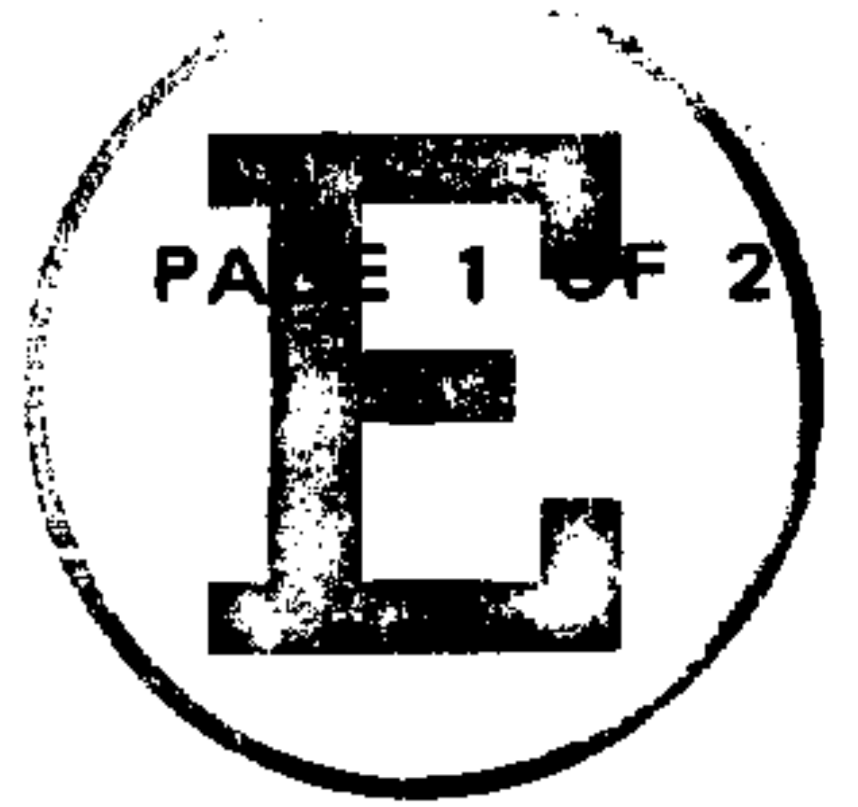
CONTRACTOR - Name of Drilling Contractor A & H ENVIRONMENTAL DRILLING  
Address 516 Davis Road-Barrington, N.J.  
City Barrington State N.J. Zip Code 08007  
Name of Driller Ron Anderson #0980 License No. 0980

Signature of Contractor [Signature] Date 06, 29, 94

COPIES: White - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.







**WELL RECORD**

Well Permit No. 31 - 44245  
Atlas Sheet Coordinates 31 : 42 : 211

**OWNER IDENTIFICATION - Owner** BRINING, RON & CATHIE  
Address 1282 DELSEA DRIVE  
City FRANKLINVILLE State NJ Zip Code 08322

**WELL LOCATION - If not the same owner please give address.** Owner's Well No. 31-44245  
Address same  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 9 Block No. 4902

**WELL USE** Domestic Status In Use

**WATER USE** Domestic Average 300 gals. daily Maximum 300 gals. daily

**WELL CONSTRUCTION** Date well completed 06 / 23 / 94  
**BOREHOLE DIMENSIONS** Depths: Total 95 ft. Finished 95 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well ---- ft. Elevation was determined using ----  
Casing Height (stick-up) above land surface 1' ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>85'</u>	<u>4"</u>	<u>PVC SCH 40 Casing</u>
Casing 2				
Casing 3				
Screen 1	<u>85'</u>	<u>10'</u>	<u>4"</u>	<u>#20 PVC Well Screen</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>85'</u>	<u>10'</u>	<u>2"</u>	<u>#2 Gravel</u>
Grout	<u>0</u>	<u>85'</u>		<u>WYO Bond</u>
Grouting Method	<u>Chem grout/Pressure grouted w/ Tremie pipe</u>			

**WELL FLOWS NATURALLY** ----- gals. per min. at ----- ft. above the land surface.  
Water rises to ----- ft. above the land surface.

**RECORD OF TEST** Test Date 06 / 23 / 94  
Static water-level before pumping 25 ft. below land surface. Water level 25 ft. below land surface after 1 hrs. of pumping.  
Water level was measured using ape Drawdown 0 ft.  
Discharge rate measured using Watch & Bucket Discharge Rate 80 gals. per min.  
Well was pumped using Air Specific Capacity 0 gals. per min. per ft. of drawdown  
Observed effects on nearby wells None  
Water Quality (taste, odor, color, etc.) Good-None-Clear

**PERMANENT PUMPING EQUIPMENT** Installed by KEVIN ANDERSON #0692 Pump Type Submersible  
Mfrs. Name Myers Model J-511  
CAPACITY: Pump delivers 11 GPM at 40 PSI pressure.  
POWER: 1/2 HP at 3450 RPM Power Source Electric-220 Volts  
DEPTHS: Pump 55 ft. Footpiece ----- ft. Airline ----- ft.  
FLOW METER: Model 2" Guage installed on 1" in. diameter pipe.

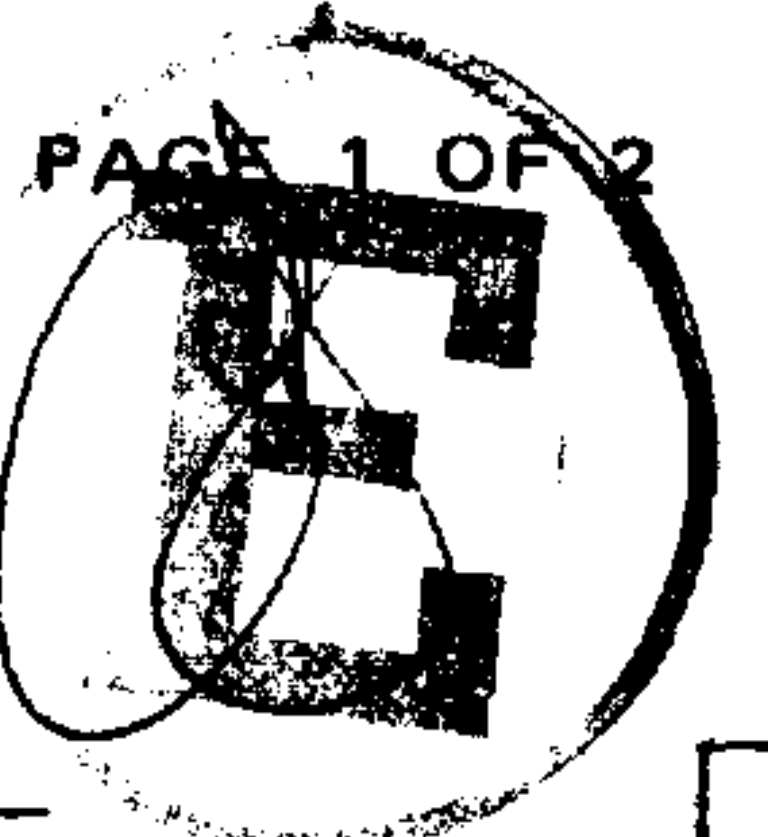
**CONTRACTOR - Name of Drilling Contractor** A & H ENVIRONMENTAL DRILLING  
Address 516 Davis Road  
City Barrington, State N.J. Zip 08007  
Name of Driller ERIC SWIFT SUPERVISED BY RON ANDERSON #0980 License No. 0980/1110

Signature of Contractor Ron Anderson Date 07, 01, 94 LP





11-14



**WELL RECORD**

Well Permit No. 31 - 45173  
Atlas Sheet Coordinates 31: 32: 874

**OWNER IDENTIFICATION - Owner** CERESINI, JOSEPH MR.  
Address 780 BLACKWOODTOWN ROAD -RD 4  
City FRANKLINVILLE State NJ Zip Code 08322

**WELL LOCATION - If not the same owner please give address.** Owner's Well No. 31-45173  
Address same  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 13 Block No. 102

**WELL USE** Domestic Status In Use

**WATER USE** Domestic Average 300 gals. daily Maximum 300 gals. daily

**WELL CONSTRUCTION** Date well completed 10 / 25 / 94  
**BOREHOLE DIMENSIONS** Depths: Total 80 ft. Finished 80 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well ---- ft. Elevation was determined using ----  
Casing Height (stick-up) above land surface 1' ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL <i>Screens: Note Slot Size(s)</i>
Casing 1		<u>70'</u>	<u>4"</u>	<u>PVC SCH 40 Casing</u>
Casing 2				
Casing 3				
Screen 1	<u>70'</u>	<u>10'</u>	<u>4"</u>	<u>#20 PVC Well Screen</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>70'</u>	<u>10'</u>	<u>2"</u>	<u>#2 Gravel</u>
Grout	<u>0</u>	<u>70'</u>		<u>WYO Bond</u>
Grouting Method	<u>Chem grout/Pressure grouted w/ Tremie pipe</u>			

**WELL FLOWS NATURALLY** ---- gals. per min. at ---- ft. above the land surface.  
Water rises to ---- ft. above the land surface.

**RECORD OF TEST** Test Date 10 / 25 / 94  
Static water-level before pumping 25 ft. below land surface. Water level 25 ft. below land surface after 1 hrs. of pumping.  
Water level was measured using pipe Drawdown 0 ft.  
Discharge rate measured using Watch & Bucket Discharge Rate 80 gals. per min.  
Well was pumped using Air Specific Capacity 0 gals. per min. per ft. of drawdown  
Observed effects on nearby wells None  
Water Quality (taste, odor, color, etc.) Good-None-Clear

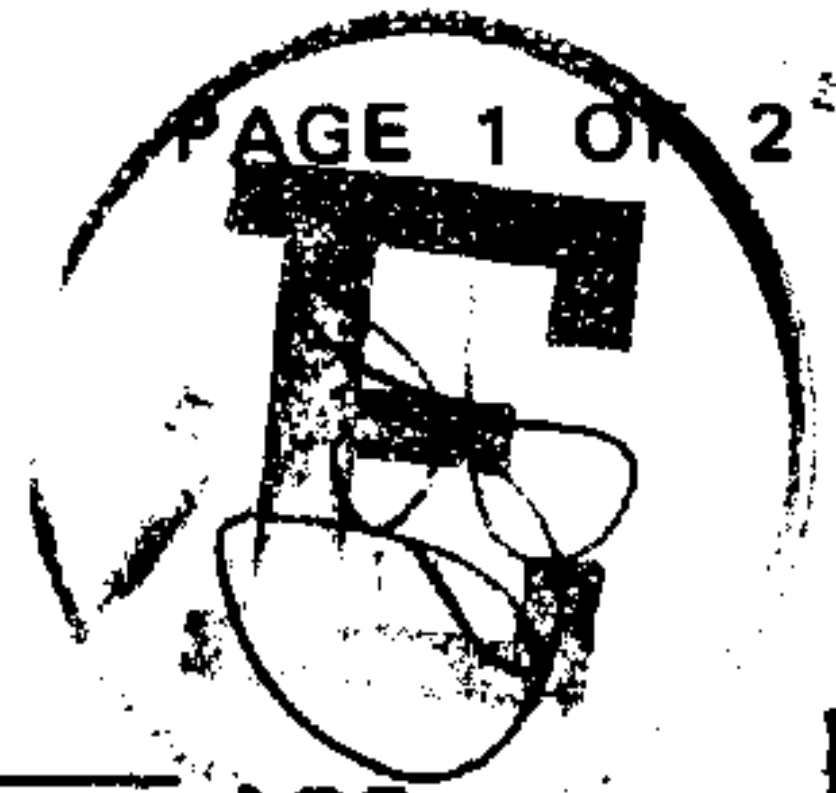
**PERMANENT PUMPING EQUIPMENT** Installed by Kevin Anderson #0692 Pump Type Submersible  
Mfrs. Name Myers Model J-511  
CAPACITY: Pump delivers 11 GPM at 40 PSI pressure.  
POWER: 1/2 HP at 3450 RPM Power Source Electric-220 Volts  
DEPTHS: Pump 50 ft. Footpiece --- ft. Airline --- ft.  
FLOW METER: Model 2" Guage installed on 1" in. diameter pipe.

**CONTRACTOR - Name of Drilling Contractor** A & H ENVIRONMENTAL DRILLING  
Address 516 Davis Road  
City Barrington, State N.J. Zip Code 08007  
Name of Driller Ray Makowski supervised by DAN HANS #1110 License No. 0980/1110  
Signature of Contractor [Signature] Date 11/11/94

COPIES: White - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.







**WELL RECORD**

Well Permit No. 31 - 45234  
Atlas Sheet Coordinates 31 : 42 : 132

**OWNER IDENTIFICATION** - Owner FITHIAN, CHERIE  
Address RD#5, BOX 1494-D LEONARD CAKE  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same owner please give address. Owner's Well No. W-2  
Address Leonard Cake Rd  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 15 Block No. 4203

**WELL USE** Domestic Status \_\_\_\_\_

**WATER USE** Domestic Average 600 gals. daily Maximum 750 gals. daily

**WELL CONSTRUCTION** Date well completed 10, 20, 94  
**BOREHOLE DIMENSIONS** Depths: Total 100 ft. Finished 100 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 1.4 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>91.4</u>	<u>4"</u>	<u>PVC SCH 40 FJ</u>
Casing 2				
Casing 3				
Screen 1	<u>90'</u>	<u>10'</u>	<u>4"</u>	<u>PVC SCH 40 FJ .010</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>85'</u>	<u>15'</u>		<u>#1 morie</u>
Grout	<u>3'</u>	<u>82'</u>		<u>Bentonite grout</u>
Grouting Method		<u>Tremie</u>		

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 10, 21, 94  
Static water-level before pumping 18 ft. below land surface. Water level 18 ft. below land surface after 1 hrs. of pumping.  
Water level was measured using m-scope Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using \_\_\_\_\_ Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using Air-Lite Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells none  
Water Quality (taste, odor, color, etc.) good - none - clear

**PERMANENT PUMPING EQUIPMENT** Installed by Uni-Tech Pump Type Submersible  
Mfrs. Name Myers Model \_\_\_\_\_  
CAPACITY: Pump delivers 12 GPM at 50 PSI pressure.  
POWER: 1/2 HP at 1725 RPM Power Source \_\_\_\_\_  
DEPTHS: Pump 45 ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

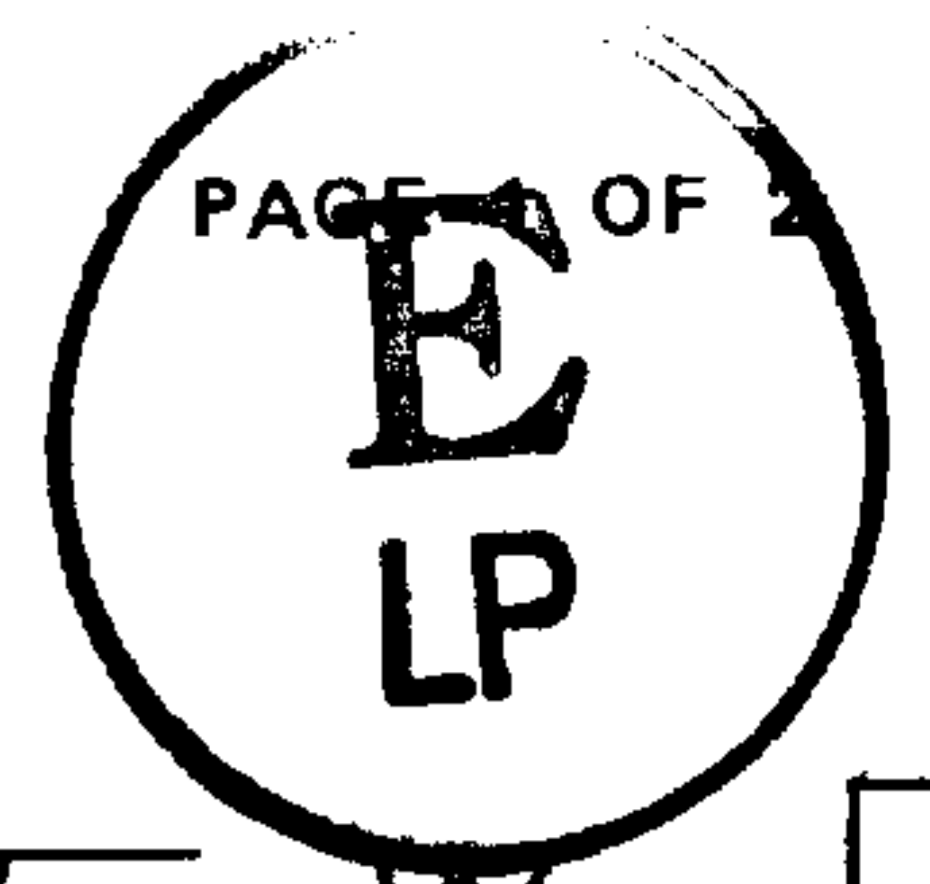
**CONTRACTOR** - Name of Drilling Contractor UNI-TECH DRILLING  
Address 191-A MAUND ST  
City Malaga State NJ Zip Code 08328  
Name of Driller Christopher Warren License No. J 1546

Signature of Contractor Christy M. Warren Date 11, 8, 94

COPIES: White - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.







**WELL RECORD**

Well Permit No. 31 45314  
Atlas Sheet Coordinates 31 42 132

**OWNER IDENTIFICATION - Owner** VALENTINO, MIKE & LAURIE  
Address 456 E. LAKEVIEW AVE.  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

31.42.132

**WELL LOCATION - If not the same owner please give address.** Owner's Well No. W-1  
Address Leopard Caked  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 13 Block No. 4203

**WELL USE** Domestic Status \_\_\_\_\_

**WATER USE** Domestic Average 600 gals. daily Maximum 750 gals. daily

**WELL CONSTRUCTION** Date well completed 3, 1, 95  
**BOREHOLE DIMENSIONS** Depths: Total 100 ft. Finished 100 ft.  
Diameter: Top 8 in. Bottom 8 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface 1.4 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>91.4'</u>	<u>4"</u>	<u>PVC SCH 40 FJ</u>
Casing 2				
Casing 3				
Screen 1	<u>90'</u>	<u>10'</u>	<u>4"</u>	<u>PVC SCH 40 FJ .010</u>
Screen 2				
Tail Piece				
Gravel Pack	<u>85'</u>	<u>15'</u>		<u># 1 morie</u>
Grout	<u>3</u>	<u>82'</u>		<u>Cement Bentonite grt</u>
Grouting Method		<u>Tremie</u>		

**WELL FLOWS NATURALLY** \_\_\_\_\_ gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 3, 2, 95  
Static water-level before pumping 15 ft. below land surface. Water level 15 ft. below land surface after 1 hrs. of pumping.  
Water level was measured using m-scope Drawdown \_\_\_\_\_ ft.  
Discharge rate measured using \_\_\_\_\_ Discharge Rate \_\_\_\_\_ gals. per min.  
Well was pumped using Air-Lift Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells none  
Water Quality (taste, odor, color, etc.) good - none - clear

**PERMANENT PUMPING EQUIPMENT** Installed by Uni-Tech Drilling Pump Type Submersible  
Mfrs. Name Myers Model \_\_\_\_\_  
CAPACITY: Pump delivers 12 GPM at 50 PSI pressure.  
POWER: 1/2 HP at 1725 RPM Power Source \_\_\_\_\_  
DEPTHS: Pump 35 ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model \_\_\_\_\_ installed on \_\_\_\_\_ in. diameter pipe.

**UNI-TECH DRILLING**

**CONTRACTOR - Name of Drilling Contractor** \_\_\_\_\_  
Address RD #2 Box 191A Main St.  
City Malaga State NJ Zip Code 08328  
Name of Driller Christopher Warren License No. J1546

Signature of Contractor [Signature] Date 3, 3, 95







**WELL RECORD**

Well Permit Number

31 - 47422

Atlas Sheet Coordinates

31 : 32 : 797

OWNER

PROGIDA, JUDY

Address

244 IONA LAKE RD/AKA FRANKLINV

City

FRANKLINVILLE

State NJ

Zip Code

08322

WELL LOCATION ADDRESS 244 IONA LAKE RD/AKA FRANKLINV

Owner's Well No. 31-47422

County GLOUCESTER

Municipality FRANKLIN TWP

Lot No. 13

Block No. 4201

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED

8/10/95

DATE WELL COMPLETED

8/10/95

**WELL CONSTRUCTION**

Total Depth Drilled 125' ft.

Finished Well Depth 125' ft.

Borehole Diameter:

Top 8" in.  
Bottom 8" in.

Well Casing Begins:

1.5' ft. above grade or  
- ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	11.5	115'	4"	PVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 1)	115'	125'	4"	PVC	SCH 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	115'	125'		#2 WELL GRAVEL	
Grout	0	115'		Neat Cement Bentonite	1035 lbs

**RECORD OF TEST**

Test Date 8/10/95

Static Water Level 15' ft. below land surface

Water Level Measured Using TAPE

Pumping Water Level 15' ft. below land surface

Well Was Pumped Using AIR

Well Yield 15 gpm

If Pump Tested: Discharge Rate N/A gpm

Duration of Test N/A hours

Grouting Method PRESSURE GROUTED w/TREMIE  
Drilling Method ROTARY Pipe

**PERMANENT PUMPING EQUIPMENT**

Installed by Kevin Anderson Reg. No. P10692

Pump Type SUBMERSIBLE

Depth of Pump below land surface 65' ft.

Capacity 15 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company A & H ENVIRONMENTAL DRILLING

Well Driller (Print) RAYMOND MAKOWSKI supervised by

Driller's Signature DANIEL HANS

Registration No. JD1110(1454) Date 9/20/95

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0'-1' BROWN TOP SOIL

1'-22' ORANGE COARSE SAND

22'-40' YELLOW MEDIUM SAND

40'-55' WHITE MEDIUM SAND

55'-75' GREY FINE SAND

75'-95' GREY FINE SAND  
w/GREY CLAY

95'-125' GREY MED. TO COARSE SAND





**WELL RECORD**

Well Permit Number  
31 - 47576

OWNER George SKRIAPAS  
Address Rd 1 Box 455  
City Franklinville State NJ Zip Code 08322

Atlas Sheet Coordinates  
31 : 32 : 793

WELL LOCATION ADDRESS \_\_\_\_\_ Owner's Well No. W-1  
County Gloucester Municipality Franklin Twp. Lot No. 44 Block No. 3905

WELL USE Domestic DATE WELL STARTED 11/18/95  
DATE WELL COMPLETED 11/18/95

**WELL CONSTRUCTION**

Total Depth Drilled 101 ft.  
Finished Well Depth 100 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (Inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	90	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used .020)	90	100	4	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	87	101		# 1	
Grout	-3	87		Neat Cement Bentonite	<u>1692</u> lbs <u>90</u> lbs

**RECORD OF TEST**

Test Date 11/18/95  
Static Water Level 17.60 ft. below land surface  
Water Level Measured Using M-Scope  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using Air Lift  
Well Yield 40 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Tremie  
Drilling Method Mud Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Steve BURGER Reg. No. JD1624  
Pump Type Submersible  
Depth of Pump below land surface 65 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company JCA Associates, Inc.  
Well Driller (Print) Steve Burger  
Driller's Signature [Signature]  
Registration No. JD1624 Date 6/12/98

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations.	
0' - 10'	Tan - Orange - Brown fine to medium silty sand
10' - 60'	Tan - Brown fine - medium sand w/ silty clay lenses
60' - 65'	Tan - Brown fine - medium sand
65' - 101'	Tan - Brown medium sand



**WELL RECORD**



Well Permit Number  
31 - 47742

Atlas Sheet Coordinates  
31 : 32 : 797

OWNER LAWRENCE, RITA  
Address GRAYBERRY DR. (AKA WEST BLVD)  
City FRANLINVILLE State NJ

Zip Code 08322

WELL LOCATION ADDRESS GRAYBERRY DR. (AKA WEST BLVD)  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 7 Block No. 3504  
Owner's Well No. 31-47742

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 9/19/95  
DATE WELL COMPLETED 9/19/95

**WELL CONSTRUCTION**

Total Depth Drilled 95' ft.  
Finished Well Depth 95' ft.  
Borehole Diameter:  
Top 8" in.  
Bottom 8" in.  
Well Casing Begins:  
1.5' ft. above grade or  
— ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>85'</u>	<u>4"</u>	<u>PVC</u>	<u>SCH 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	<u>85'</u>	<u>95'</u>	<u>4"</u>	<u>PVC</u>	<u>SCH 40</u>
Blank Casings (No. Used <u>  </u> )					
Tail Piece					
Gravel Pack	<u>85'</u>	<u>95'</u>		<u>#2 WELL GRAVEL</u>	
Grout	<u>0</u>	<u>85'</u>		<u>Neat Cement Bentonite</u>	<u>765 lbs</u>

**RECORD OF TEST**

Test Date 9/19/95  
Static Water Level 15' ft. below land surface  
Water Level Measured Using TAPE  
Pumping Water Level 15' ft. below land surface  
Well Was Pumped Using AIR  
Well Yield 15 gpm  
If Pump Tested: Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method PRESSURE GROUTED w/ REMIE  
Drilling Method ROTARY PIPE

**PERMANENT PUMPING EQUIPMENT**

Installed by KEVIN ANDERSON Reg. No. P10692  
Pump Type SUBMERSIBLE  
Depth of Pump below land surface 60' ft.  
Capacity 15 gpm Horsepower 1/2

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations.	
<u>0-1'</u>	<u>BROWN Top Soil</u>
<u>1-15'</u>	<u>YELLOW MEDIUM SAND</u>
<u>15-25'</u>	<u>ORANGE CLAY</u>
<u>25-46'</u>	<u>ORANGE FINE TO MED SAND</u>
<u>46-70'</u>	<u>YELLOW FINE TO MED SAND</u>
<u>70-95'</u>	<u>YELLOW MEDIUM SAND</u>

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company A & H ENVIRONMENTAL DRILLING  
Well Driller (Print) RAYMOND MAKOWSKI supervised  
Driller's Signature DANIEL HANS  
Registration No. JD110(1454) Date 10/11/95





**WELL RECORD**

Well Permit Number  
31 - 47949

Atlas Sheet Coordinates  
31 : 32 : 798

OWNER KRESSLEY, STEVE MR.  
Address 12 GREENSBORO ROAD  
City FRANKLINVILLE State NJ

Zip Code 08322

WELL LOCATION ADDRESS 12 GREENSBORO RD. Owner's Well No. 31-47949  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 14 Block No. 4116

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 10/11/95  
DATE WELL COMPLETED 10/11/95

**WELL CONSTRUCTION**

Total Depth Drilled 100' ft.  
Finished Well Depth 100' ft.  
Borehole Diameter:  
Top 8" in.  
Bottom 8" in.  
Well Casing Begins:  
1.5' ft. above grade or  
       ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	90'	4"	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	90	100'	4"	PVC	Sch 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack					
Grout	0	90'		Neat Cement Bentonite	<u>765</u> lbs

**RECORD OF TEST**

Test Date 10/11/95  
Static Water Level 35' ft. below land surface  
Water Level Measured Using Tape  
Pumping Water Level 35' ft. below land surface  
Well Was Pumped Using Air  
Well Yield 15 gpm  
If Pump Tested: Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method Pressure Grouted w/ Tremie Pipe  
Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Kevin Anderson Reg. No. 0692  
Pump Type Submersible  
Depth of Pump below land surface 60' ft.  
Capacity 15 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSON'S WELL DRILLING  
Well Driller (Print) Bill Jester  
Driller's Signature Bill Jester  
Registration No. M0804 Date 10/25/95

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-27 M.C. GRAVELS  
27-33 ORANGE CLAY  
33-67 M.F. TAN SAND  
67-74 Whiteish ORANGE clay  
74-100 M TAN SAND.



**WELL RECORD**



Well Permit Number  
31 - 48271

Atlas Sheet Coordinates  
31 32 : 793

OWNER DELSEA REG. HIGH SCHOOL  
Address FRIES MILL RD.  
City FRANKLINVILLE State NJ Zip Code 08322

WELL LOCATION ADDRESS FRIES MILL RD. Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 97 Block No. 1401

WELL USE PUBLIC NON-COMMUNITY DATE WELL STARTED 12/15/95  
DATE WELL COMPLETED 12/15/95

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.  
Finished Well Depth 100 ft.  
Borehole Diameter:  
Top 9 in.  
Bottom 9 in.  
Well Casing Begins:  
+1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>+1.5</u>	<u>90</u>	<u>4</u>	<u>PVC</u>	<u>sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used _____)	<u>90'</u>	<u>100</u>	<u>4</u>	<u>PVC</u>	<u>sch 40 .015</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>88</u>	<u>100</u>		<u>#1</u>	<u>300#</u>
Grout	<u>3</u>	<u>88</u>		<u>Neat Cement Bentonite</u>	<u>175</u> lbs

**RECORD OF TEST**  
Test Date 12/15/95  
Static Water Level 16 ft. below land surface  
Water Level Measured Using tape  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using air  
Well Yield 40+ gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method tremie  
Drilling Method mud rotary

**PERMANENT PUMPING EQUIPMENT**  
Installed by J. Quinlan Reg. No. 962  
Pump Type submersible  
Depth of Pump below land surface 45 ft.  
Capacity 35 gpm Horsepower 1 1/2

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

<u>0-14</u>	<u>fine silt</u>
<u>14-30</u>	<u>fine sand</u>
<u>30-32</u>	<u>clay</u>
<u>32-60</u>	<u>fine sand/silt traces of clay</u>
<u>60-65</u>	<u>clay</u>
<u>63-75</u>	<u>fine sand/silt</u>
<u>75-85</u>	<u>fine sand</u>
<u>85-100</u>	<u>med sand yellow</u>

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company QUINLAN WELL DRILLING  
Well Driller (Print) JOE QUINLAN  
Driller's Signature J. Quinlan  
Registration No. 1612 Date 2/26/96

**WELL RECORD**



Well Permit Number  
31 - 48568

Atlas Sheet Coordinates  
31 : 42 : 132

OWNER C & E DEVELOPMENT  
Address PO BOX 345  
City CLAYTON State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS OAK AVE. Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 32 Block No. 4904

WELL USE DOMESTIC

DATE WELL STARTED 5 / 16 / 96  
DATE WELL COMPLETED 5 / 16 / 96

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.  
Finished Well Depth 100 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>90</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )					
Blank Casings (No. Used <u>1</u> )	<u>90</u>	<u>100</u>	<u>4</u>	<u>PVC (020)</u>	<u>Sch 40</u>
Tail Piece					
Gravel Pack	<u>85</u>	<u>100</u>		<u>#1 Morie</u>	
Grout	<u>0</u>	<u>85</u>		<u>Neat Cement Bentonite</u>	<u>300</u> lbs

**RECORD OF TEST**

Test Date 6 / 28 / 96  
Static Water Level 14 ft. below land surface  
Water Level Measured Using M-scope  
Pumping Water Level 14 ft. below land surface  
Well Was Pumped Using Airlift  
Well Yield 12 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Tremie  
Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Uni-Tech Reg. No. J1399  
Pump Type Submersible  
Depth of Pump below land surface 40 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING  
Well Driller (Print) Joseph Jester  
Driller's Signature Joseph Jester  
Registration No. J1399 Date 7 / 3 / 96

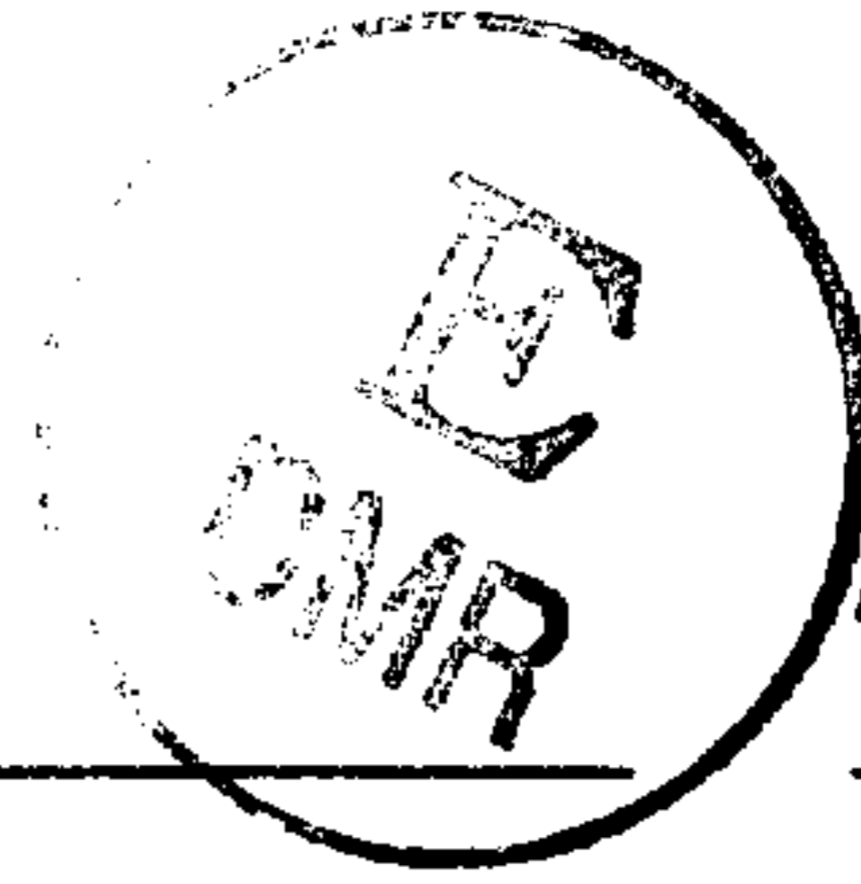
**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-1 Topsoil  
1-21 orange tan cmf sand  
21-49 Tan cmf sand  
49-53 Tan / white clay  
53-85 Tan cmf sand  
85-100 Grey cmf sand



**WELL RECORD**



Well Permit Number  
31 - 48569

Atlas Sheet Coordinates  
31 : 42 : 132

OWNER C & E DEVELOPMENT  
Address PO BOX 345  
City CLAYTON State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS EVERY LYNN COURT Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 32.06 Block No. 4904

WELL USE DOMESTIC

DATE WELL STARTED 6 / 10 / 96  
DATE WELL COMPLETED 6 / 10 / 96

**WELL CONSTRUCTION**

Total Depth Drilled 92 ft.  
Finished Well Depth 92 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
2 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+2	82	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	82	92	4	PVC (020)	Sch 40
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	77	92		#1 Morie	
Grout	0	77		Neat Cement Bentonite	_____ lbs <u>250</u> lbs

**RECORD OF TEST**

Test Date 10 / 31 / 96  
Static Water Level 8 ft. below land surface  
Water Level Measured Using M-SCOPE  
Pumping Water Level 11 ft. below land surface  
Well Was Pumped Using Airlift  
Well Yield 12 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Tremie  
Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Uni-Tech Reg. No. J1521  
Pump Type Submersible  
Depth of Pump below land surface 30 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING  
Well Driller (Print) David Conover  
Driller's Signature David Conover  
Registration No. J1521 Date 10 / 31 / 96

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-20 CNF Sand tan  
20-24 " " " w/ F gravel tan  
24-68 MF Sand tan  
68-70 clayey sand tan  
70-90 MF sand tan  
90-92 Gray clayey sand

**WELL RECORD**



Well Permit Number  
31 - 48571

Atlas Sheet Coordinates  
31: 42 : 133

OWNER C & E DEVELOPMENT  
Address PO BOX 345  
City CLAYTON State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS EVERY LYNN COURT Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 32.08 Block No. 4904

WELL USE DOMESTIC DATE WELL STARTED 8/28/96  
DATE WELL COMPLETED 8/28/96

**WELL CONSTRUCTION**

Total Depth Drilled 80 ft.  
Finished Well Depth 80 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
2 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+ 2	70	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	70	80	4	PVC (020)	Sch 40
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	65	80		#1 Morie	
Grout	0	65		Neat Cement Bentonite	<u>127</u> lbs

**RECORD OF TEST**

Test Date 10/1/96  
Static Water Level 14 ft. below land surface  
Water Level Measured Using M-SCOPE  
Pumping Water Level 11 ft. below land surface  
Well Was Pumped Using AIRLIFT  
Well Yield 12 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Tremie  
Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by UNI-TECH Reg. No. MD13764  
Pump Type Submersible  
Depth of Pump below land surface 40 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING  
Well Driller (Print) Christopher Warren  
Driller's Signature christopher Warren  
Registration No. MD13764 Date 10/10/96

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations.	
<u>0-26</u>	<u>CMF Tan &amp; Orange Sand</u>
<u>26-41</u>	<u>C-V Coarse orange sand &amp; gravel</u>
<u>41-63</u>	<u>Red F-silty sand</u>
<u>63-80</u>	<u>M-Tan Sand</u>



**WELL RECORD**



Well Permit Number  
31 - 49291

Atlas Sheet Coordinates  
31 : 32 : 795

OWNER TROUT, STEVEN  
Address 39 STATION AVE.  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS 39 STATION AVE. Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 6 Block No. 4106

WELL USE DOMESTIC REPLACEMENT DATE WELL STARTED 5 / 14 / 96  
DATE WELL COMPLETED 5 / 14 / 96

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.  
Finished Well Depth 100 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+1.5	90	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	90	100	4	PVC (020)	Sch 40
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	85	100		#1 Marie	
Grout	3	85		Neat Cement Bentonite	_____ lbs <u>166</u> lbs

**RECORD OF TEST**

Test Date 5 / 15 / 96  
Static Water Level 10 ft. below land surface  
Water Level Measured Using M-scope  
Pumping Water Level 10 ft. below land surface  
Well Was Pumped Using Air Lift  
Well Yield 35 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Tremie  
Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Uni-Tech Reg. No. JD01632  
Pump Type Submersible  
Depth of Pump below land surface \_\_\_\_\_ ft.  
Capacity 35 gpm Horsepower 1 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING  
Well Driller (Print) James Evans  
Driller's Signature James Evans  
Registration No. JD01632 Date 5 / 18 / 96

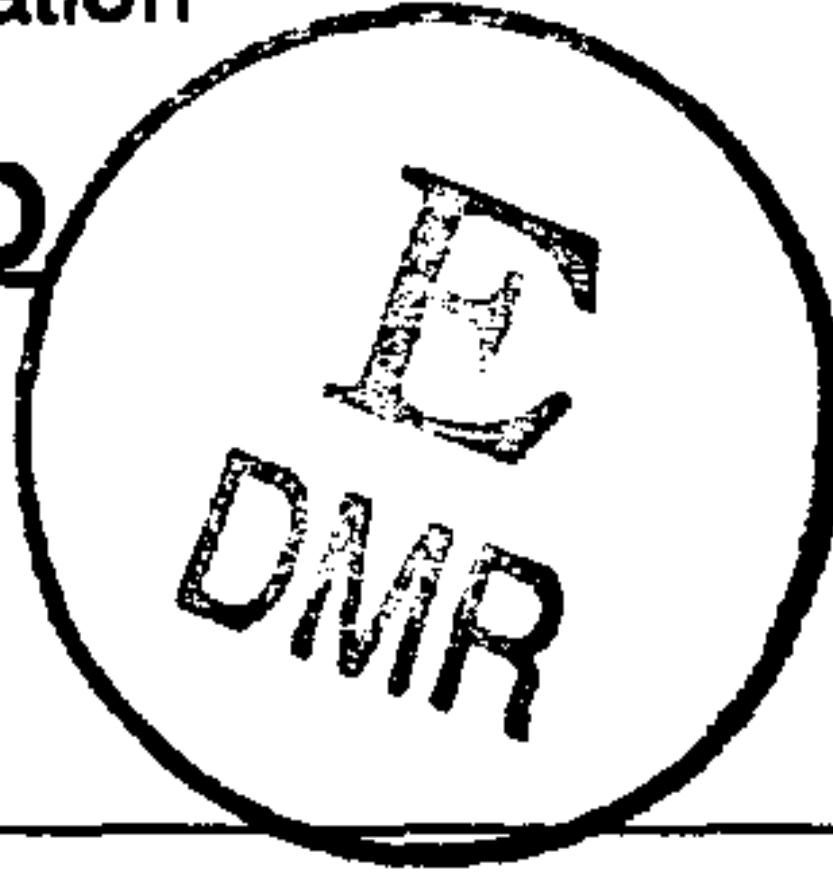
**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-12	MF orange sand & clay
12-31	CMF orange sand & gravel
31-36	orange silty fine sand
36-53	CMF orange sand some white clay streaks
53-81	MF Tan sand
81-87	MF Tan sand w/ Brown silt & clay
87-100	MF Tan sand



**WELL RECORD**



Well Permit Number  
31 - 49360

OWNER HOLDCRAFT, LARRY  
Address 134 HALE AVE.  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

Atlas Sheet Coordinates  
31 : 32 : 796

WELL LOCATION ADDRESS 134 HALE AVE. Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 9 Block No. 4109

WELL USE DOMESTIC REPLACEMENT

DATE WELL STARTED 8 16 196  
DATE WELL COMPLETED 8 16 196

**WELL CONSTRUCTION**

Total Depth Drilled 137 ft.  
Finished Well Depth 135 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>135</u>	<u>4</u>	<u>PVC</u>	<u>SCH. 40</u>
Middle Casing (for triple cased wells only)		<u>125</u>			
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	<u>125</u>	<u>135</u>	<u>4</u>	<u>PVC</u>	<u>#20 Slot.</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>110</u>	<u>135</u>	<u>8</u>	<u>#1 MORTAR GRAVEL</u>	
Grout	<u>0</u>	<u>110</u>	<u>8</u>	Neat Cement Bentonite	_____ <u>350</u> lbs

**RECORD OF TEST**

Test Date 8 16 196  
Static Water Level 31 ft. below land surface  
Water Level Measured Using "M" SCOPE  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using AIR  
Well Yield 60 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method TREMI-PIPE  
Drilling Method ROTARY

**PERMANENT PUMPING EQUIPMENT**

Installed by JIM MESIANO Reg. No. 1078  
Pump Type SUBMERSIBLE  
Depth of Pump below land surface 60 ft.  
Capacity 25 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company JIM MESIANO, INC.  
Well Driller (Print) JAMES C. MESIANO  
Driller's Signature James C. Mesiano  
Registration No. 1078 Date 10 14 196

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-2 Top Soils  
30- GRAVEL-SANDS-CLAYS  
50- FINE SANDS w/ TRACES of CLAY  
70- SANDS-CLAY w/ IRON STONE LENSES  
110- FINE SANDS & CLAYS  
120- CLAY LAYER  
137- COARSE-MEDIUM-FINE SANDS.

**WELL RECORD**



Well Permit Number  
31-50413

Atlas Sheet Coordinates  
31-32-797

OWNER PELIKAN, ROBERT  
Address 30 WILLETTE AVE  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS WILLETTE AVE Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 3.01 Block No. 4101

WELL USE DOMESTIC

DATE WELL STARTED 11 / 25 / 96  
DATE WELL COMPLETED 11 / 25 / 96

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.  
Finished Well Depth 100 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
2 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>+2</u>	<u>90</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	<u>90</u>	<u>100</u>	<u>4</u>	<u>PVC (020)</u>	<u>Sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>85</u>	<u>100</u>		<u>#1 Morie</u>	
Grout	<u>0</u>	<u>85</u>		Neat Cement Bentonite	____ lbs <u>166</u> lbs

**RECORD OF TEST**

Test Date 11 / 26 / 96  
Static Water Level 14 ft. below land surface  
Water Level Measured Using M-Scope  
Pumping Water Level 14 ft. below land surface  
Well Was Pumped Using Airlift  
Well Yield 12 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Tremie  
Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Uni-Tech Reg. No. JD1452  
Pump Type Submersible  
Depth of Pump below land surface 45 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING  
Well Driller (Print) Edward Angelo  
Driller's Signature Edward Angelo  
Registration No. JD1452 Date 11 / 27 / 96

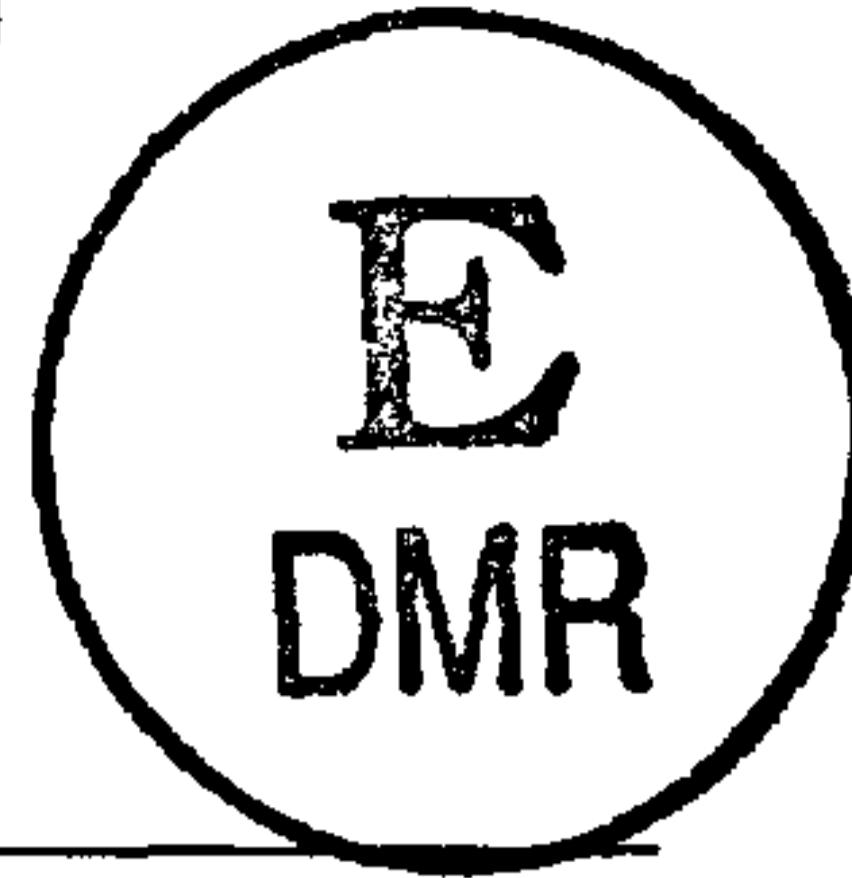
**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-13 yellow MF sand  
13-16 yellow white clay, sandy  
16-44 " " CM sand  
44-61 " " clay  
61-70 " " C-sand & F gravel  
70-100 " " CM sand



**WELL RECORD**



Well Permit Number  
31 - 50414

Atlas Sheet Coordinates  
31 : 32 : 797

OWNER PELIKAN, ROBERT  
Address 30 WILLETTE AVE  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS 30 WILLETTE AVE Owner's Well No. \_\_\_\_\_  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 3 Block No. 4101

WELL USE DOMESTIC REPLACEMENT DATE WELL STARTED 11 / 25 / 96  
DATE WELL COMPLETED 11 / 25 / 96

**WELL CONSTRUCTION**

Total Depth Drilled 100 ft.  
Finished Well Depth 100 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
2 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+2	90	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	90	100	4	PVC (020)	Sch 40
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	85	100		#1 Morie	
Grout	0	85		Neat Cement Bentonite	____ lbs <u>166</u> lbs

**RECORD OF TEST**

Test Date 11 / 27 / 96  
Static Water Level 14 ft. below land surface  
Water Level Measured Using M-SCOPE  
Pumping Water Level 14 ft. below land surface  
Well Was Pumped Using Airlift  
Well Yield 12 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Tremie  
Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Uni-Tech Reg. No. JD1452  
Pump Type Submersible  
Depth of Pump below land surface 45 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company UNI-TECH DRILLING  
Well Driller (Print) Edward Angelo  
Driller's Signature Edward Angelo  
Registration No. JD1452 Date 11 / 27 / 96

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-1 Topsoil  
1-15 yellow M-F Sand  
15-19 yellow clay  
19-47 yellow & white m-c sand  
47-57 " " " clay  
57-100 " " " C-M sand

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

Permit No. 31-7127  
Application No. \_\_\_\_\_  
County Gloucester

WELL RECORD

3107127  
31.32.795

1. OWNER Gray's Ferry Brick Co. ADDRESS Franklinville, NJ 08332  
Owner's Well No. 1 SURFACE ELEVATION 100 Feet  
(Above mean sea level)

2. LOCATION S. E. Corner of building near tracks

3. DATE COMPLETED May '73 DRILLER Vance Skinner Company, Inc.

4. DIAMETER: top 8 inches Bottom 6 inches TOTAL DEPTH 62 Feet

5. CASING: Type Steel .0250 Diameter 8 inches Length 39 Feet

6. SCREEN: Type PVC Size of Opening .015 Diameter 6 inches Length 20 Feet

Range in Depth { Top 42 Feet  
Bottom 62 Feet  
Geologic Formation Tch (?)

Tail piece: Diameter \_\_\_\_\_ inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY No Gallons per Minute at \_\_\_\_\_ Feet above surface  
Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date June '73 Yield 40 Gallons per minute  
Static water level before pumping 8 Feet below surface  
Pumping level 16 feet below surface after 1 hours pumping  
Drawdown 8 Feet Specific Capacity 5 Gals. per min. per ft. of drawdown  
How Pumped \_\_\_\_\_ How measured \_\_\_\_\_  
Observed effect on nearby wells None Observed

9. PERMANENT PUMPING EQUIPMENT:

Type Submersible Mfrs. Name Reda  
Capacity 65 G.P.M. How Driven Electric H.P. 5 R.P.M. 3450  
Depth of Pump in well 30 feet Depth of Footpiece in well \_\_\_\_\_ Feet  
Depth of Air Line in well 30 feet Type of Meter on Pump None Size \_\_\_\_\_ inches

10. USED FOR Industrial AMOUNT { Average \_\_\_\_\_ Gallons Daily  
Maximum 35000 Gallons Daily

11. QUALITY OF WATER Good Sample: Yes \_\_\_\_\_ No X  
Taste None ~~Bad~~ None Color None Temp. 58 °F

12. LOG See Attached Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)

13. SOURCE OF DATA Well Log

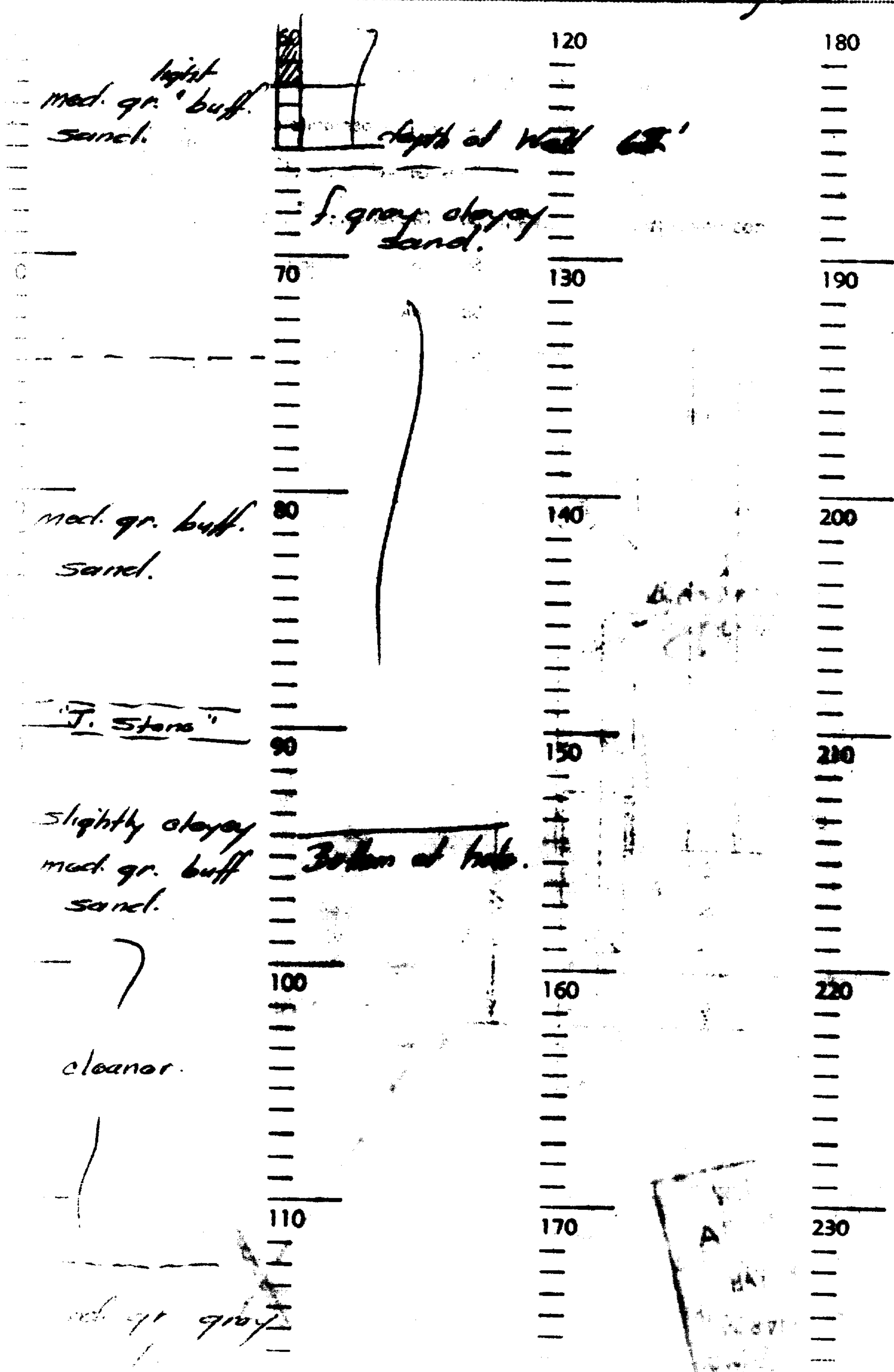
14. DATA OBTAINED BY Evelyn S. Dickenson Date 9/26/73

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements etc.)



Length & Material 20' 0.6" PVC 6"  
 Type of Seal—Top & Bottom "K" Parker  
 Pump used with well Rock 5 HP Submersible

31.32.795  
 31-7127



DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

31-42-133   
Permit No. 31-7420  
Application No. \_\_\_\_\_  
County GLou.

WELL RECORD

3107420  
31.42.133  
Box 68

1. OWNER MARTIN BOSCO ADDRESS MALAGA, N.J.  
Owner's Well No. 1 SURFACE ELEVATION \_\_\_\_\_ Feet  
(Above mean sea level)

2. LOCATION LENARD CAKE Rd. MALAGA

3. DATE COMPLETED 8-25-73 DRILLER JOSEPH MAJEWSKI

4. DIAMETER: top 8 Inches Bottom 8 Inches TOTAL DEPTH 65 Feet

5. CASING: Type P.V.C. Diameter 4 Inches Length 45 Feet

6. SCREEN: Type P.V.C. Size of Opening 1/8 Diameter 4 Inches Length 20 Feet

Range in Depth { Top \_\_\_\_\_ Feet  
Bottom \_\_\_\_\_ Feet  
Geologic Formation \_\_\_\_\_

Tail piece: Diameter \_\_\_\_\_ Inches Length \_\_\_\_\_ Feet

7. WELL FLOWS NATURALLY \_\_\_\_\_ Gallons per Minute at \_\_\_\_\_ Feet above surface  
Water rises to \_\_\_\_\_ Feet above surface

8. RECORD OF TEST: Date 8-25-73 Yield 50 Gallons per minute

Static water level before pumping 8 Feet below surface

Pumping level 13 feet below surface after 2 hours pumping

Drawdown 5 Feet Specific Capacity 10 Gals. per min. per ft. of drawdown

How Pumped GAS UTILITY How measured 5 GAL CAN

Observed effect on nearby wells \_\_\_\_\_

9. PERMANENT PUMPING EQUIPMENT: DID NOT INSTALL PERMANENT EQUIPMENT

Type \_\_\_\_\_ Mfrs. Name \_\_\_\_\_

Capacity \_\_\_\_\_ G.P.M. How Driven \_\_\_\_\_ H.P. \_\_\_\_\_ R.P.M. \_\_\_\_\_

Depth of Pump in well \_\_\_\_\_ Feet Depth of Footpiece in well \_\_\_\_\_ Feet

Depth of Air Line in well \_\_\_\_\_ Feet Type of Meter on Pump \_\_\_\_\_ Size \_\_\_\_\_ Inches

10. USED FOR IRRIGATION AMOUNT { Average \_\_\_\_\_ Gallons Daily  
Maximum \_\_\_\_\_ Gallons Daily

11. QUALITY OF WATER \_\_\_\_\_ Sample: Yes \_\_\_\_\_ No \_\_\_\_\_

Taste \_\_\_\_\_ Odor \_\_\_\_\_ Color \_\_\_\_\_ Temp. \_\_\_\_\_ of

12. LOG \_\_\_\_\_ Are samples available? \_\_\_\_\_  
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)

13. SOURCE OF DATA D'AGOSTINO Well Drilling

14. DATA OBTAINED BY MARIO D'AGOSTINO Date \_\_\_\_\_

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements etc.)



**WELL RECORD**



Well Permit Number  
31 - 51247

Atlas Sheet Coordinates  
31: 32 : 796

OWNER ED GROCHOWSKI EXCAVATING  
Address P.O. BOX 383  
City FRANKLINVILLE State NJ Zip Code \_\_\_\_\_

WELL LOCATION ADDRESS DELSEA DR. Owner's Well No. 1  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 8 Block No. 4201

WELL USE DOMESTIC REPLACEMENT DATE WELL STARTED 5/1/97  
DATE WELL COMPLETED 5/1/97

**WELL CONSTRUCTION**

Total Depth Drilled 145 ft.  
Finished Well Depth 140 ft.  
Borehole Diameter:  
Top 8 in.  
Bottom 8 in.  
Well Casing Begins:  
1.5 ft. above grade or  
\_\_\_\_\_ ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>1.5</u>	<u>130</u>	<u>4</u>	<u>PVC</u>	<u>F480</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>1</u> )	<u>130</u>	<u>140</u>	<u>4</u>	<u>PVC</u>	<u>#20 SLOT</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>120</u>	<u>140</u>	<u>8</u>	<u>#1 GRAVEL</u>	_____
Grout	<u>0</u>	<u>120</u>	<u>8</u>	Neat Cement Bentonite	<u>300</u> lbs

**RECORD OF TEST**

Test Date 5/1/97  
Static Water Level 18 ft. below land surface  
Water Level Measured Using "M" Scope  
Pumping Water Level \_\_\_\_\_ ft. below land surface  
Well Was Pumped Using AIR  
Well Yield 60 gpm  
If Pump Tested: Discharge Rate \_\_\_\_\_ gpm  
Duration of Test \_\_\_\_\_ hours

Grouting Method Tremi-Pipe  
Drilling Method ROTARY

**PERMANENT PUMPING EQUIPMENT**

Installed by JIM MESIANO Reg. No. J1078  
Pump Type SUBMERSIBLE  
Depth of Pump below land surface 60 ft.  
Capacity 12 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company JIM MESIANO, INC. BROKEN OAK  
Well Driller (Print) JAMES C. MESIANO  
Driller's Signature James C. Mesiano  
Registration No. 51078 Date 4/20/97

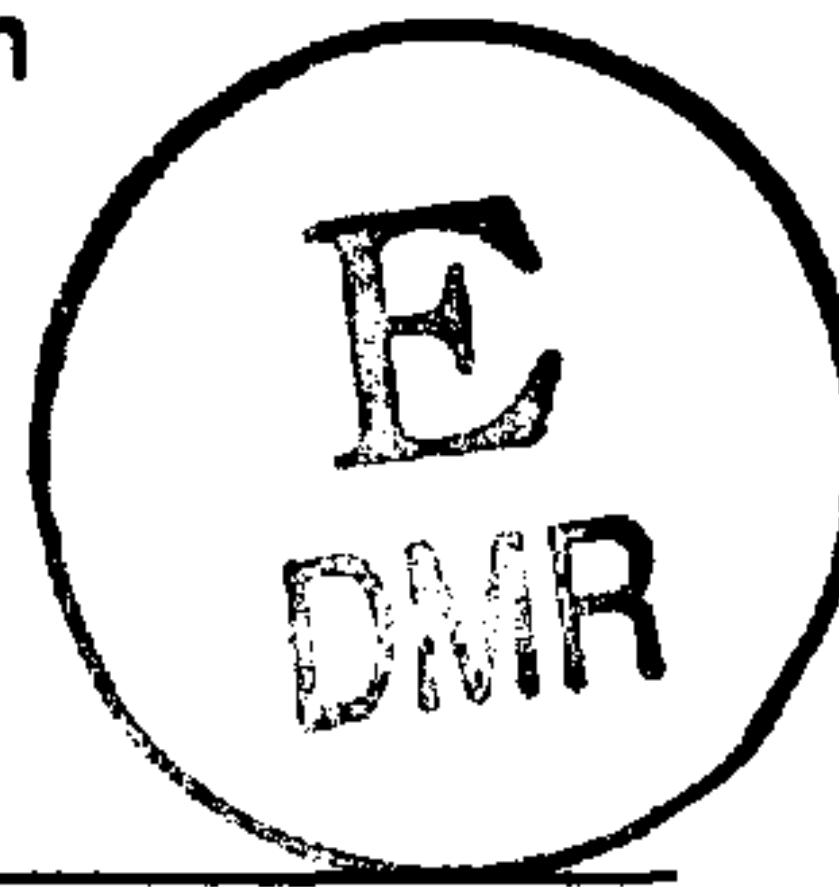
**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

<u>0-3</u>	<u>Top Soil</u>
<u>30</u>	<u>Coarse, Medium, Fine Sands</u>
<u>50</u>	<u>Medium Sands</u>
<u>65</u>	<u>Clay &amp; Sands Mixed</u>
<u>77</u>	<u>Clay Layer</u>
<u>115</u>	<u>Fine Sands w/ Traces of Clay</u>
<u>145</u>	<u>Medium to Fine Sands.</u>



**WELL RECORD**



Well Permit Number  
31 - 51607

Atlas Sheet Coordinates  
31 : 32 : 795

OWNER PORTER, SAMUEL DR.  
Address 1839 DELSEA DRIVE  
City FRANKLINVILLE State NJ Zip Code 08322

WELL LOCATION ADDRESS 1839 DELSEA DRIVE Owner's Well No. 31-51607  
County GLOUCESTER Municipality FRANKLIN TWP Lot No. 2 Block No. 4204

WELL USE NON PUBLIC

DATE WELL STARTED 6 / 13 / 97  
DATE WELL COMPLETED 6 / 13 / 97

**WELL CONSTRUCTION**

Total Depth Drilled 120 ft.

Finished Well Depth 120 ft.

Borehole Diameter:  
Top 8 in.  
Bottom 8 in.

Well Casing Begins:  
1.5 ft. above grade or  
         ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (Inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.5	110	4	KPVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	110	120	4	PVC	SCH 40
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	110	120	#2 Well Gravel		
Grout	3	110	Neat Cement Bentonite		<u>        </u> lbs 336 lbs

**RECORD OF TEST**

Test Date 6 / 13 / 97  
Static Water Level 18 ft. below land surface  
Water Level Measured Using tape  
Pumping Water Level 18 ft. below land surface  
Well Was Pumped Using air  
Well Yield 80 gpm  
If Pump Tested: Discharge Rate N/A gpm  
Duration of Test N/A hours

Grouting Method Pressure Grouted w/Tremie Pipe  
Drilling Method Rotary

**PERMANENT PUMPING EQUIPMENT**

Installed by Tom Le Sage Reg. No. 1072  
Pump Type Submersible  
Depth of Pump below land surface 40 ft.  
Capacity 12 gpm Horsepower 1/2

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ANDERSON'S WELL DRILLING  
Well Driller (Print) Ronald K. anderson  
Driller's Signature Ronald K. Anderson  
Registration No. 980 Date 7.30.97

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations.	
1"-3'	Gray Stone & Gravel
3-10	Yellow Coarse Sand
10-20	Orange Mixed Clay
20-40	Dark Orange Coarse Sand
40-48	White Clay
48-57	Orange Coarse Sand w/Sand Stone
57-60	Yellow Coarse Sand
60-75	Yellow Fine to Med Sand
75-80	Orange Clay & Fine Sand
80-85	Orange Fine Sand
85-90	Yellow Fine to Md Sand
90-105	Yellow Med Sand
105-120	Yellow Coarse Sand

**WELL RECORD**

Well Permit No. 31 - 26625  
Atlas Sheet Coordinates 31 : 32 : 798

**OWNER IDENTIFICATION** - Owner MULBAIR, JOSEPH  
Address R.R. #2, BOX 313 OAK LANE  
City BALAGA State NJ Zip Code \_\_\_\_\_

**WELL LOCATION** - If not the same as other please give address. Owner's Well No. 31 - 26625  
Address \_\_\_\_\_  
County Gloucestere Municipality FRANKLIN TWP Lot No. 13823 Block No. A-261

**WELL USE** domestic Status in use

**WATER USE** domestic Average 500 gals. daily Maximum 600 gals. daily

**WELL CONSTRUCTION** Date well completed 6 / 10 / 87  
**BOREHOLE DIMENSIONS** Depths: Total 106 ft. Finished 106 ft.  
Diameter: Top 4 in. Bottom 4 in.  
Land Surface Elevation at well \_\_\_\_\_ ft. Elevation was determined using \_\_\_\_\_  
Casing Height (stick-up) above land surface none ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		<u>96</u>	<u>4</u>	<u>PVC</u>
Casing 2				
Casing 3				
Screen 1	<u>96</u>	<u>10</u>	<u>4</u>	<u>PVC #20 slot</u>
Screen 2				
Tail Piece	<u>none</u>			
Gravel Pack	<u>96</u>			<u>Morie #2 gravel</u>
Grout				<u>cement and betonite</u>
Grouting Method		<u>pressure</u>		

**WELL FLOWS NATURALLY** not gals. per min. at \_\_\_\_\_ ft. above the land surface.  
Water rises to \_\_\_\_\_ ft. above the land surface.

**RECORD OF TEST** Test Date 6 / 10 / 87  
Static water-level before pumping 10' 4" ft. below land surface. Water level 10' ft. below land surface after 2 hrs. of pumping.  
Water level was measured using M scope Drawdown 4" ft.  
Discharge rate measured using 10 gal. pail Discharge Rate 60 gals. per min.  
Well was pumped using air lift Specific Capacity \_\_\_\_\_ gals. per min. per ft. of drawdown  
Observed effects on nearby wells none  
Water Quality (taste, odor, color, etc.) color-none, odor-none, taste-none Good quality

**PERMANENT PUMPING EQUIPMENT** Installed by owner Pump Type jet  
Mfrs. Name \_\_\_\_\_ Model \_\_\_\_\_  
CAPACITY: Pump delivers \_\_\_\_\_ GPM at \_\_\_\_\_ PSI pressure.  
POWER: 1 HP at \_\_\_\_\_ RPM Power Source electric  
DEPTHS: Pump \_\_\_\_\_ ft. Footpiece \_\_\_\_\_ ft. Airline \_\_\_\_\_ ft.  
FLOW METER: Model none installed on \_\_\_\_\_ in. diameter pipe.

**CONTRACTOR** - Name of Drilling Contractor F.C. CAPEL & SONS  
Address 751 Mantua Blvd.  
City Sewell State New Jersey Zip Code 08080  
Name of Driller Frederick C. Capel III License No. 887

Signature of Contractor Frederick C. Capel III Date 7 / 15 / 87

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.









## Withdrawal Points Tabular Data

Sequence Number (BWA)	PI ID Number (Preferred NJEMS ID)	PI Name	Activity Number	SI Category Code	SI Designation	SI Description	Distance From XY Origin - ft. (BWA)	County Code	Municipality Code	SPC83X	SPC83Y	XY Accuracy + Units Code	Dep to Top of Open Interval + Units	Dep To Btm of Open Interval + Units	Z (Elevation)	Z Accuracy + Units Code	Geologic Unit Code	Hydrogeologic Unit Code	Rated Pump Capacity + Units Code	BRDGBWASUBJITEMID (BWA)
1	5148	VINELAND CITY WATER UTILITY	WAP060001	WSWL	3100005227	WELL 10	25502.96	06	14	338271.86	256406.30	40ft	130ft	160ft	93.50	1Feet	1690	1451	1200gm	369
2	5170	HARDING WOODS MOBILE HOME PARK	WAP040001	WSWL	3100008330	WELL 2	15035.26	17	10	317177.81	277092.75	100ft	84ft	125ft	98	5Feet	1680	1451	175gm	875
3	5170	HARDING WOODS MOBILE HOME PARK	WAP040001	WSWL	3100008321	WELL 1	15057.67	17	10	317100.93	277295.64	100ft	77ft	110ft	100	5Feet	1680	1451	180gm	876
4	5170	HARDING WOODS MOBILE HOME PARK	WAP040001	WSWL	3100059011	WELL 3	16283.41	17	10	315875.21	277143.64	100ft	75ft	105ft	98	5Feet	1680	1451	190gm	877
5	5148	VINELAND CITY WATER UTILITY	WAP060001	WSWL	3100040983	WELL 14	19927.09	06	14	332543.73	261135.29	40ft	98ft	145ft	70	1Feet	1690	1451	1350gm	1926
6	10749W	PICNIC GROVE MOBILE HOME PARK	WUR940001	WSWL	3100007816	WELL 2	16751.93	17	10	315378.15	277206.42	100ft	61ft	71ft	130	10Feet	1690	1451	47gm	2595
7	10749W	PICNIC GROVE MOBILE HOME PARK	WUR940001	WSWL	3100015705	WELL 3	16830.04	17	10	315452.19	276598.83	100ft	45ft	55ft	140	5Feet	1690	1451	47gm	2596
8	5147	NEWFIELD BORO WATER DEPT	WAP030001	WSWL	3100004599	WELL 3	24616.75	08	13	345454.39	260638.51	100ft	131ft	162ft	115	10Feet	1680	1451	400gm	2955
9	SA0081	J & E PETRONGLO & SONS	AGC030001	WSIN	POND 1		15246.61	17	10	323175.51	268392.61	500ft							500gm	3553
10	SA0081	J & E PETRONGLO & SONS	AGC030001	WSWL	3100017301	WELL 1	14971.58	17	10	324191.50	268082.33	500ft					1680	1451	500gm	3554
11	SA0081	J & E PETRONGLO & SONS	AGC030001	WSWL	3100042121	WELL 2	20079.24	17	10	312724.56	274433.90		65ft	125ft			1680	1451	400gm	3555
12	GL204R	MONGELLUZZO BROTHERS FARM	AGR960001	WSWL	3100004848		13567.70	08	05	343176.91	273832.06	1000ft	30ft	63ft	115		1690	1451	300gm	3582
13	GL0113	LEE FARM	AGC050002	WSWL	3100059758	WELL 5	11471.37	08	05	341511.53	275125.72	40ft	55ft	115ft	116	10Feet	1690	1451	500gm	3724
14	GL0113	LEE FARM	AGC050002	WSWL	3100058254	WELL 4	12739.25	08	05	342213.27	273871.95	40ft	90ft	150ft	103	10Feet	1690	1451	500gm	3726
15	GL0113	LEE FARM	AGC050002	WSWL	5100000264	WELL 2	11441.26	08	05	341482.72	275136.24	40ft			115	10Feet	1690	1451	300gm	3727
16	5244	CLAYTON BORO WATER DEPT	WAP040001	WSWL	3100055117	WELL 6	25698.20	08	01	323356.00	305355.00	100ft	54ft	74ft	142	5Feet	1680	1451	350gm	3762
17	5244	CLAYTON BORO WATER DEPT	WAP040001	WSWL	3100002889	WELL 3	18950.18	08	01	326507.00	299273.00	100ft	745ft	761ft	136	5Feet	2190	2660	600gm	3763
18	5244	CLAYTON BORO WATER DEPT	WAP040001	WSWL	3100006676	WELL 4	25719.85	08	01	323333.00	305370.00	500ft	670ft	740ft	142	5Feet	2190	2660	1000gm	3764
19	5244	CLAYTON BORO WATER DEPT	WAP040001	WSWL	3100039216	WELL 5	18940.31	08	01	326561.00	299278.00	100ft	436ft	496ft	136	5Feet	2020	2355	400gm	3765
20	SA0012	OLBRICH FARMS	AGC050001	WSWL	3100024977	WELL 2 (HUGHES RD. N)	22188.38	17	10	313432.84	268426.56	500ft	50ft	60ft	120.246	10Feet	1680	1451	60gm	4391
21	SA0012	OLBRICH	AGC050001	WSWL	3100047480	WELL 3 (HUGHES RD.)	22629.23	17	10	313058.61	268192.65	500ft	46ft	56ft	124.98	10Feet	1680	1451	40gm	4392

		FARMS				S)															
22	SA0012	OLBRICH FARMS	AGC050001	WSWL	5100000239	WELL 1 (WLG RD)	18320.22	17	10	317337.39	269651.44	500ft			120.246	10Feet	1680	1451	900gm	4394	
23	SA0030	KESSEL NURSERY	AGC040002	WSWL	3100068213	WELL 8	23404.82	17	14	309540.61	288621.98	200ft	18ft	68ft	140	10Feet	1690	1451	500gm	5495	
24	SA0030	KESSEL NURSERY	AGC040002	WSWL	3100022915	WELL 7 (DUFFIELD)	13939.96	08	05	318972.90	286765.25	200ft	60ft	100ft	130	10Feet	1680	1451	500gm	5496	
25	GL0003	H & S DUBOIS FARM	AGC040001	WSWL	3100024640	WELL 2	14001.97	08	05	333362.00	294945.00	500ft	26ft	56ft	110	10Feet	1680	1451	400gm	5541	
26	SA0030	KESSEL NURSERY	AGC040002	WSIN	INTAKE 1	POND 1	24659.51	17	14	308068.48	288140.98	200ft			120	10Feet			400gm	5556	
27	SA0030	KESSEL NURSERY	AGC040002	WSIN	INTAKE 2	POND 2	19523.43	17	14	312604.89	285182.43	200ft			128	10Feet			400gm	5557	
28	SA0030	KESSEL NURSERY	AGC040002	WSWL	3100018198	WELL 1	24386.02	17	14	308505.12	288619.38	200ft	44ft	54ft	129	10Feet	1680	1451	30gm	5558	
29	SA0030	KESSEL NURSERY	AGC040002	WSWL	3100024983	WELL 4	24107.12	17	14	308765.52	288518.32	200ft	63ft	73ft	128	10Feet	1680	1451	300gm	5559	
30	SA0030	KESSEL NURSERY	AGC040002	WSWL	3100053673	WELL 6	19319.92	17	14	312994.51	285936.57	200ft	25ft	65ft	132	10Feet	1680	1451	100gm	5560	
31	SA0030	KESSEL NURSERY	AGC040002	WSWL	3100053674	WELL 5	19531.91	17	14	312719.99	285716.96	200ft	25ft	65ft	132	10Feet	1680	1451	500gm	5561	
32	SA0030	KESSEL NURSERY	AGC040002	WSWL	5100000380	WELL 2	23986.83	17	14	308692.56	287880.00	200ft			132	10Feet	1680	1451	50gm	5562	
33	SA0030	KESSEL NURSERY	AGC040002	WSWL	5100000381	WELL 3	24092.46	17	14	308778.72	288511.52	200ft			130	10Feet	1680	1451	250gm	5563	
34	GL0003	H & S DUBOIS FARM	AGC040001	WSWL	3100016726	WELL 1	14024.42	08	05	333424.00	294960.00	500ft	40ft	100ft	110	10Feet	1680	1451	900gm	5127	
35	GL0042	GRAIFF FARMS	AGC060001	WSWL	3100004958	WELL 2	24531.66	08	05	352827.80	268603.26	100ft			110.35	10Feet	1680	1451	400gm	5212	
36	GL0042	GRAIFF FARMS	AGC060001	WSWL	3100004957	WELL 1	24443.57	08	05	352810.99	268748.95	100ft			110.87	10Feet	1680	1451	400gm	5213	
37	GL0042	GRAIFF FARMS	AGC060001	WSIN	INTAKE 2	POND 2 ON MARSHALL LAKE BRANCH	24564.95	08	05	352833.41	268547.22	100ft			110.34	10Feet			400gm	5214	
38	GL0042	GRAIFF FARMS	AGC060001	WSIN	INTAKE 1	POND 1 ON MARSHALL LAKE BRANCH	25996.73	08	05	354107.75	267889.63	100ft			110.46	10Feet			400gm	5215	
39	10794W	DELSEA REGIONAL MIDDLE & HIGH SCHOOL	WUR940001	WSWL	3100025400	WELL 2 HI	1692.91	08	05	333355.52	280771.73	1000ft	130ft	140ft	100	10Feet	1680	1451	275gm	5255	
40	10794W	DELSEA REGIONAL MIDDLE & HIGH SCHOOL	WUR940001	WSWL	3100028485	4 MIDDLE	2579.89	08	05	333369.53	282997.56	1000ft	120ft	130ft	110	10Feet	1680	1451	150gm	5256	
41	10794W	DELSEA REGIONAL MIDDLE & HIGH SCHOOL	WUR940001	WSWL	5100044942	WELL 1 HI	1692.91	08	05	333355.52	280771.73		122ft	142ft	100	10Feet	1680	1451	150gm	5257	
42	10794W	DELSEA REGIONAL MIDDLE & HIGH SCHOOL	WUR940001	WSWL	5100044943	WELL 3 HI	1692.91	08	05	333355.52	280771.73		139ft	149ft	100	10Feet	1680	1451	150gm	5258	
43	GL0161	CAPOZZI FARMS	AGC050001	WSWL	3100001380	WELL 1	26191.52	08	05	350440.45	262762.31	250ft	111ft	131ft	113.6	10Feet	1690	1451	550gm	5271	
44	GL0182	LESHAY FARMS	AGC010001	WSWL	5100000392	WELL 1	25862.29	08	13	347721.44	260754.00	1000ft			120		1680	1451	1000gm	6344	
45	GL0182	LESHAY FARMS	AGC010001	WSWL	3100022330	WELL 2	24485.78	08	13	343798.96	259764.84	500ft			110		1680	1451	1000gm	6345	
46	GL0180	CLEMICK FARM	AGC020001	WSWL	3100005286	WELL 1	13908.39	08	05	318356.25	285018.47	500ft	20ft	120ft	135		1680	1451	500gm	6346	

47	SA0176	WEGNER FARM	AGC070002	WSWL	3100073937	WELL 3	13716.96	17	10	325615.27	268742.73	100ft			97.2952	10Feet	1680	1451	200gm	6655
48	SA0176	WEGNER FARM	AGC070002	WSWL	5100000246	WELL 1	17301.56	17	10	323633.07	265729.93	40ft			104.55	10Feet	1680	1451	1000gm	6656
49	SA0176	WEGNER FARM	AGC070002	WSWL	5100062365	WELL 2	15600.09	17	10	323111.86	268010.43	40ft			104.784	10Feet	1680	1451	300gm	6657
50	10985W	CLAYTON HIGH SCHOOL	WUR970001	WSWL	3100051660	WELL 1	22816.00	08	01	327006.92	303375.20	1000ft	80ft	85ft			1680	1451	90gm	6700
51	GL0005	HAYNICZ ORCHARDS	AGC040001	WSWL	5100000252	WELL 2	21594.88	08	04	316417.00	296316.00	500ft			130	10Feet	1680	1451	120gm	6831
52	GL0005	HAYNICZ ORCHARDS	AGC040001	WSWL	5100000251	WELL 1	25214.70	08	04	313618.00	298633.00	500ft			130	10Feet	1680	1451	175gm	6832
53	GL0005	HAYNICZ ORCHARDS	AGC040001	WSIN	INTAKE 4	POND 7	24391.13	08	04	315304.00	299116.00	500ft			130	10Feet			215gm	6833
54	GL0005	HAYNICZ ORCHARDS	AGC040001	WSIN	INTAKE 3	POND 6	21047.32	08	04	316027.00	295109.00	500ft			130	10Feet			215gm	6834
55	GL0005	HAYNICZ ORCHARDS	AGC040001	WSIN	INTAKE 1	POND 4	26321.10	08	04	314239.00	300753.00	500ft			130	10Feet			215gm	6836
56	GL0005	HAYNICZ ORCHARDS	AGC040001	WSWL	3100051895	WELL 3	21614.40	08	04	315891.00	295800.00	500ft	60ft	80ft	130	10Feet	1680	1451	80gm	6837
57	GL0232	HOLLY ACRES FARM	AGC020001	WSWL	3100062414	WELL 1	21494.91	08	04	312210.55	290142.84	100ft	55ft	75ft	130	10Feet	1680	1451	200gm	7341
58	GL0232	HOLLY ACRES FARM	AGC020001	WSIN	INTAKE 1	POND (CORRECTED)	21467.32	08	04	312254.80	290172.26	100ft			130	10Feet			400gm	7342
59	10405W	JANVIER VOLUNTEER FIRE CO	WUR940001	WSWL	3100022246	WELL 1	17233.29	08	05	347871.34	286957.96	500ft	65ft	105ft	125	5Feet	1690	1451	150gm	8110
60	SA0039	WALKER BROTHERS FARM	AGC050001	WSWL	3100065804	WELL 9	10137.32	17	10	326105.63	272579.81	100ft	78ft	88ft	100.6521	10Feet	1680	1451	60gm	8325
61	SA0039	WALKER BROTHERS FARM	AGC050001	WSWL	3100033317	WELL 6	12847.09	17	10	325244.68	269927.44	100ft	85ft	95ft	108.7817	10Feet	1680	1451	60gm	8326
62	SA0039	WALKER BROTHERS FARM	AGC050001	WSWL	3100020989	WELL 5	10300.46	17	10	326129.80	272369.57	100ft			99.7906	10Feet	1680	1451	52gm	8327
63	SA0039	WALKER BROTHERS FARM	AGC050001	WSWL	3100008806	WELL 2	13731.50	17	10	323349.95	270131.15	100ft	100ft	140ft	120.7854	10Feet	1690	1451	500gm	8328
64	SA0039	WALKER BROTHERS FARM	AGC050001	WSWL	3100036380	WELL 7	11109.73	17	10	324716.15	272391.32	100ft	70ft	80ft	103.5358	10Feet	1680	1451	60gm	8329
65	GL231R	EXLEY'S NURSERY	AGR020001	WSWL	3100062711	WELL 1	14370.90	08	04	319080.68	287947.71	500ft					1690	1451	100gm	8683
66	2405P	VINELAND KOSHER POULTRY CO	WAP040001	WSWL	3500001167	WELL 1	12944.40	06	14	333330.56	293883.19	20ft	158ft	183ft	101	15Feet	1690	1451	350gm	8753
67	GL0050	AZEGLIO FARM	AGC060001	WSWL	3100019430	WELL 1	18170.82	08	05	343371.35	267129.86	40ft	42ft	95ft	116.184	10Feet	1680	1451	500gm	8904
68	GL0050	AZEGLIO FARM	AGC060001	WSWL	3100015444	WELL 2	19204.95	08	05	343493.20	265898.31	40ft	60ft	120ft	109.58	10Feet	1680	1451	500gm	8905
69	GL0203	FERRUCCI NURSERIES	AGC060001	WSWL	5100051548	WL8/FM 2	20593.61	08	05	346715.58	266966.67	100ft			104	10Feet	1680	1451	300gm	9787
70	GL0203	FERRUCCI NURSERIES	AGC060001	WSWL	3100028145	WL7/ FM 5	19533.82	08	05	350089.11	274498.23	100ft	58ft	60ft	121	10Feet	1680	1451	300gm	9846
71	CU0029	SEPERS NURSERY	AGC070001	WSWL	3100015486	WELL 2D	22077.29	06	14	339620.00	260442.00	100ft	51ft	71ft	92	10Feet	1660	1451	100gm	9890
72	CU0029	SEPERS NURSERY	AGC070001	WSWL	3100071492	WELL 8W	22872.99	06	14	339070.00	259396.00	100ft	80ft	100ft	95	10Feet	1680	1451	125gm	9891
73	10128W	FRANKLIN TWP SCHOOL SYSTEM	WUR950001	WSWL	5100047290	REUTTER 2	6123.57	08	05	327909.55	285865.36	6000ft		100ft	110	10Feet	1680	1451	30gm	9388





96	2554P	LLC TANK TRUCK SPILL	WAP030001	WSWL	3100064986	WELL EW-2	19262.15	08	05	343743.00	266023.00	100ft	10ft	25ft	107.59	1Feet	1680	1451	30gm	11188
97	2554P	MOTIVA ENTERPRISES LLC TANK TRUCK SPILL	WAP030001	WSWL	3100064987	WELL EW-3	19466.56	08	05	344006.00	265973.00	100ft	10ft	25ft	105.32	1Feet	1680	1451	30gm	11189
98	2554P	MOTIVA ENTERPRISES LLC TANK TRUCK SPILL	WAP030001	WSWL	3100064988	WELL EW-4	19408.02	08	05	343834.00	265909.00	100ft	10ft	25ft	105.46	1Feet	1680	1451	30gm	11190
99	GL0167	BELLONES NURSERY	AGC050001	WSWL	3100056216	WELL 6 (DUTCH MILL)	25680.39	08	05	356552.93	274636.80	40ft	40ft	90ft	118	10Feet	1690	1451	60gm	16430
100	10870W	MATER DEI NURSING HOME	WUR950001	WSWL	3100005163	MAIN WELL	13874.67	17	10	318075.46	278342.59	1000ft	70ft	90ft	130	10Feet	1680	1451	200gm	11899
101	10870W	MATER DEI NURSING HOME	WUR950001	WSWL	WELL # UNKNOWN	AUXILIARY	13874.67	17	10	318075.46	278342.59	1000ft			130	10Feet	1680	1451	25gm	11900
102	10749W	PICNIC GROVE MOBILE HOME PARK	WUR940001	WSWL	5100052498	WELL 1	17160.05	17	10	314785.66	278061.85	1000ft	53ft	58ft	130	10Feet	1690	1451	24gm	12077
103	GL0048	JS PETRONGLO & SONS FARM	AGC050002	WSWL	5100000281	WELL 7 (GRUB RD)	16445.65	08	05	341162.28	267603.86	1ft			115.104	1.376Feet	1690	1451	500gm	13526
104	GL0048	JS PETRONGLO & SONS FARM	AGC050002	WSWL	3100047773	WELL 8 (GRUB RD)	16409.30	08	05	341139.04	267631.95	1ft	108ft	128ft	125.635	1.246Feet	1690	1451	300gm	13663
105	GL0048	JS PETRONGLO & SONS FARM	AGC050002	WSWL	3100016510	WELL 1 (PINE GROVE)	16222.86	08	05	345094.09	271913.27	1.031ft	50ft	110ft	122.439	1.676Feet	1690	1451	500gm	13664
106	GL0048	JS PETRONGLO & SONS FARM	AGC050002	WSWL	5100000280	WELL 2 (N DELSEA DR)	14789.72	08	05	336767.13	267154.86	1.161ft			120.702	1.78Feet	1690	1451	800gm	13665
107	GL0048	JS PETRONGLO & SONS FARM	AGC050002	WSWL	3100028666	WELL 4 (CARIONE 2)	12361.11	08	05	341122.07	273060.63	1.079ft	58ft	116ft	94.975	1.614Feet	1690	1451	500gm	13666
108	GL0048	JS PETRONGLO & SONS FARM	AGC050002	WSWL	3100007467	WELL 3 (CARIONE 1)	12369.62	08	05	341122.40	273047.86	1.836ft	32ft	72ft	106.525	3.022Feet	1690	1451	800gm	13667
109	GL0048	JS PETRONGLO & SONS FARM	AGC050002	WSWL	3100004848	WELL 5 (CARIONE 3)	12385.22	08	05	341148.02	273053.99	1.114ft	30ft	63ft	108.900	2.24Feet	1690	1451	300gm	13668
110	GL0048	JS PETRONGLO & SONS FARM	AGC050002	WSWL	3100051816	WELL 6 (DESECARE)	9764.59	08	05	337453.94	273165.90	1.017ft	95ft	135ft	96.497	1.783Feet	1690	1451	300gm	13669
111	GL0048	JS PETRONGLO & SONS FARM	AGC050002	WSIN	INTAKE 1	POND 1 (DIMATTEO)	13689.66	08	05	336667.31	268293.18	1.047ft			89.144	1.555Feet			500gm	13670
112	GL0048	JS PETRONGLO & SONS FARM	AGC050002	WSIN	INTAKE 2	SCOTLAND RUN	10732.69	08	05	336205.34	271309.70	1.334ft			147.574	2.573Feet			800gm	13671
113	GL0048	JS PETRONGLO & SONS FARM	AGC050002	WSIN	INTAKE 3	POND 2 (JIANOTTI)	12567.97	08	05	340492.01	272078.15	1.643ft			89.346	2.316Feet			500gm	13672
114	GL0048	JS PETRONGLO & SONS FARM	AGC050002	WSIN	INTAKE 4	POND 3 (CARIONE)	12429.11	08	05	341123.89	272957.87	1.204ft			125.461	2.398Feet			300gm	13673
115	GL0044	GENOA FARMS	AGC060001	WSWL	3100008054	WELL 1	19728.45	08	05	346816.15	268384.92	500ft	19ft	79ft	113.136	10Feet	1680	1451	400gm	17064
116	GL202R	CHARLES BRONK FARM	AGR950001	WSWL	5100000256	WELL 1	19710.71	08	05	349451.24	289579.63						1680	1451	125gm	17083
117	GL0044	GENOA FARMS	AGC060001	WSWL	3100008055	WELL 2	19894.07	08	05	346860.07	268179.95	500ft	18ft	78ft	111.6	10Feet	1680	1451	400gm	17104
118	GL0010	SCHOBER ORCHARDS	AGC050001	WSWL	3100005823	WELL 1	12902.57	08	05	319699.00	285821.00	100ft	70ft	100ft	128	10Feet	1680	1451	660gm	12211
119	GL0010	SCHOBER ORCHARDS	AGC050001	WSIN	INTAKE 1	STREAM 1 (STILL RUN)	11917.31	08	05	324437.00	290504.00	100ft			112	10Feet			650gm	12212
120	SA117R	FOX'S MARKET GARDEN CENTER	AGR060001	WSWL	3100020209	WELL 2	23152.35	17	14	308540.27	280435.44	100ft			120	10Feet	1680	1451	200gm	12238
121	SA117R	FOX'S MARKET GARDEN CENTER	AGR060001	WSWL	3100020208	WELL 1	23877.22	17	10	307958.18	278364.84	100ft			120	10Feet	1680	1451	200gm	12239

122	SA117R	FOX'S MARKET GARDEN CENTER	AGR060001	WSIN	INTAKE 1	POND 1	25407.47	17	10	306618.93	276890.49	100ft			110	10Feet			200gm	12240
123	SA0009	OLBRICH FARMS	AGC060001	WSWL	3100006112	WELL 1 (KIBORT WELL)	20423.47	17	10	315186.70	269004.91	100ft	100ft	130ft	130.248	20Feet	1680	1451	1000gm	13717
124	GL201R	MOUNIER FARM	AGR860001	WSWL	3100022998	WELL 1	24269.83	08	05	354603.43	273059.30	500ft	60ft	100ft	90		1690	1451	200gm	13759
125	GL0157	VASSALLO FARM	AGC030001	WSWL	5100000270	WELL 1	11879.13	08	05	336813.57	270329.02	500ft					1680	1451	600gm	16889
126	SA0093	NIXHOLM FARM	AGC040001	WSWL	5100000243	WELL 2	26018.52	17	10	324143.51	256142.15	200ft			92	10Feet	1690	1451	100gm	13978
127	SA0093	NIXHOLM FARM	AGC040001	WSWL	3100007853	WELL 1	25601.96	17	10	324797.11	256385.75	200ft			90	10Feet	1690	1451	1000gm	13979
128	SA0093	NIXHOLM FARM	AGC040001	WSIN	INTAKE 2	POND 2 (CORRECTED)	25845.74	17	10	324817.39	256127.13	200ft			88	10Feet			100gm	13980
129	SA0093	NIXHOLM FARM	AGC040001	WSIN	INTAKE 1	POND 1	26265.80	17	10	323956.42	255940.73	200ft			90	10Feet			1000gm	13981
130	CU0312	J & E PETRONGLO & SONS FARM	AGC050001	WSWL	3100067503	WELL HOMESTEAD 2	17469.19	06	14	335084.38	263908.68	1ft			105.052	1.095Feet	1670	1449	500gm	14117
131	CU0312	J & E PETRONGLO & SONS FARM	AGC050001	WSWL	3100006059	WELL HOMESTEAD 1	17823.21	06	14	335918.22	263730.76	1ft			86.812	2Feet	1680	1451	550gm	14118
132	CU0312	J & E PETRONGLO & SONS FARM	AGC050001	WSWL	3100009910	WELL JOAN PETRONGLO	19151.95	06	14	335220.97	262221.23	2.816ft			87.489	6.208Feet	1670	1449	400gm	14119
133	10920W	NU PUMP INC	WUR960001	WSWL	3100043764	WELL I-1	10777.89	08	10	337764.32	272144.41	1000ft	110ft	120ft	100	20Feet	1680	1451	70gm	12656
134	GL243R	VISCONTI GREENHOUSES	AGR060001	WSWL	3100022612	WELL 1	18969.26	08	05	342254.00	265292.00	100ft	70ft	80ft	104	5Feet	1680	1451	175gm	14346
135	GL0073	TRAVAGLIONE FARM	AGC030001	WSWL	5100000257	WELL 1	12412.18	08	05	341890.65	273979.92	100ft			110	20Feet	1680	1451	500gm	11432
136	GL0250	OLBRICH FARMS	AGC060001	WSWL	3100050093	WELL 5	7671.87	08	05	325721.84	276216.57	100ft	115ft	155ft	89.58	10Feet	1680	1451	400gm	12856
137	10884W	MALAGA VOLUNTEER FIRE DEPT	WUR950001	WSWL	3100039968	WELL D-1	13304.12	08	05	338139.15	269410.34	1000ft	92ft	100ft	100		1680	1451	25gm	11534
138	10884W	MALAGA VOLUNTEER FIRE DEPT	WUR950001	WSWL	3100045722	WELL FR-1	12786.94	08	05	337985.62	269917.16	1000ft	50ft	110ft	100		1680	1451	400gm	11535
139	2554P	MOTIVA ENTERPRISES LLC TANK TRUCK SPILL	WAP030001	WSWL	3100064989	WELL EW-5	19447.24	08	05	343925.00	265932.00	100ft	10ft	25ft	104.84	1Feet	1680	1451	30gm	12989
140	2554P	MOTIVA ENTERPRISES LLC TANK TRUCK SPILL	WAP030001	WSWL	3100064805	WELL EW-9	19220.44	08	05	343852.00	266165.00	100ft	10ft	25ft	108.44	1Feet	1680	1451	14gm	12990
141	2554P	MOTIVA ENTERPRISES LLC TANK TRUCK SPILL	WAP030001	WARG	KIRKWOOD-COHANSEY AQUIFER SOURCES	WELLS: EW-1, 2, 3, 4, 5, 6, 7, 8, 9	19338.88	08	05	343868.64	266025.80	100ft			100	10Feet				12991
142	2554P	MOTIVA ENTERPRISES LLC TANK TRUCK SPILL	WAP030001	WSWL	3100067879	WELL EW-6	19299.53	08	05	343906.00	266107.00	100ft	9ft	29ft	107.9	1Feet	1680	1451	30gm	12992
143	2554P	MOTIVA ENTERPRISES LLC TANK TRUCK SPILL	WAP030001	WSWL	3100067880	WELL EW-7	19252.00	08	05	343848.00	266121.00	100ft	9ft	29ft	108.1	1Feet	1680	1451	14gm	12993
144	2554P	MOTIVA ENTERPRISES LLC TANK	WAP030001	WSWL	3100067881	WELL EW-8	19387.84	08	05	343901.00	265989.00	100ft	14ft	39ft	107.11	1Feet	1680	1451	14gm	12994

TRUCK SPILL																				
145	SA0147	DUBOIS FARM	AGC030001	WSWL	3100027025	WELL 1	23938.66	17	10	308883.22	273753.12	500ft	80ft	110ft	120	10Feet	1690	1451	500gm	16130
146	11182W	FRANKLIN TWP FRANKLINVILLE LAKE PARK	WUR030001	WSWL	3100063362	WELL 1	6192.41	08	05	328696.03	286467.34	6000ft			100	10Feet	1690	1451	150gm	13203
147	GL0043	GENOA FARMS	AGC050001	WSWL	3100030749	WELL 3	22923.64	08	05	352327.65	271075.95	40ft	53ft	113ft	118.327	10Feet	1690	1451	350gm	17336
148	GL0043	GENOA FARMS	AGC050001	WSWL	3500000883	WELL 1	24889.92	08	05	354594.86	271316.09	40ft	22ft	42ft	126.311	10Feet	1690	1451	400gm	17337
149	GL0043	GENOA FARMS	AGC050001	WSWL	3500000885	WELL 2	24908.52	08	05	354597.13	271273.91	40ft	26ft	40ft	126.311	10Feet	1690	1451	400gm	17357

Submitted by:



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