AP - 016

STAGE 1 & 2 REPORTS

DATE: March 2001

SUBSURFACE INVESTIGATION REPORT

(STAGE 1 ABATEMENT PLAN)

EOTT ENERGY CORP
BOB DURHAM RELEASE SITE
LEA COUNTY, NEW MEXICO

RECEIVED

NOV 1 3 2002

Environmental Bureau
Oil Conservation Division

Prepared For:
EOTT Energy Corp
5805 East Highway 80
Midland, Texas 79701

Environmental Technology Group, Inc. Project No. EOT2044C

Prepared By:
Environmental Technology Group, Inc.
2540 West Marland
Hobbs, New Mexico 88240

March 2001

A Report Prepared for:

EOTT Energy Corp
5805 East Highway 80
Midland, Texas 79701

Subsurface Investigation Report

(Stage 1 Abatement Plan)

Environmental Technology Group, Inc. Project No. EOT2044C

Prepared by:

Ken Dutton
Operations/Project Manager

Jesse Taylor
Principal Geologist

Environmental Technology Group, Inc.
2540 West Marland
Hobbs, New Mexico 88240

March 2001

TABLE OF CONTENTS

TABLES

FIGURES

FIGURE 7: Distribution of Petroleum Phases on the Ground Water

APPENDICES

APPENDIX A: Soil Boring Logs
APPENDIX B: Laboratory Analytical Data

1.0 INTRODUCTION AND SITE BACKGROUND

The site is located approximately two miles west of the town of Monument, New Mexico, in the NE 1/4 of the NW 1/4 of Section 32, Township 19 South, and Range 37 East. A site location map is provided as Figure 1.

The topography of the site is relatively flat with a slight topographic slope to the south. The site is located in a rural/residential area with a residence located within 500 feet of the discovery point to the west. Generally, the surface consists of unconsolidated sand covered by sparse grasses and mesquite trees. Oil and gas production facilities are located adjacent to the site to the northeast and at a greater distance to the northwest.

Prior to the involvement of Environmental Technology Group, Inc (ETGI), EOTT Energy Corp. (EOTT) detected evidence of a pipeline release. The evidence was detected during excavation work done to provide access to the pipeline in order to facilitate the insertion of a polyethylene liner along the subject portion of the pipeline. As depicted on Figure 2, the release point is located on the eastern most pipeline of two parallel pipelines, both of which convey crude oil and are owned and operated by EOTT.
During the initial response, an estimated 2,000 cubic yards of impacted soil was excavated and removed from the area immediately north of the highway. EOTT personnel indicated that the soil was taken to J&L Landfarm, located near Eunice, New Mexico. The resulting excavation measured approximately 130 feet long by 60 feet wide with the deepest portion of the floor located approximately 16 feet below the ground surface (bgs). A section of the pipeline was removed and the polyethylene liner project was continued. The two smaller excavations, depicted on the maps, were made to access the pipeline for the liner project. There was no visual evidence of impacted soil at either of these excavations and neither of these excavations penetrated the water table.

During this period, a portion of the excavation was deepened and a vacuum truck was utilized to remove phase-separated hydrocarbons (PSH) from the excavation. In addition, a submersible pump and six oil skimmers have been utilized in order to facilitate the removal of PSH from the subsurface. As of December 1, 2000, approximately 8,585 gallons, or 204 barrels of PSH, has been recovered from the subsurface. A portion of the fluid has been re-injected into the pipeline system and the remainder has been disposed at a permitted facility in Eunice, New Mexico.

Also during this period, ETGI began field activities to determine the extent of impact as a result of the release. Between the period of January 25, 2000 and February 10, 2000, 28 soil borings were advanced of which 25 were completed as ground water monitoring wells. To further delineate the ground water impaction,10 additional ground water monitoring wells were advanced at the site from June 7 thru June 28, 2000. The distributions of the monitoring wells are depicted on Figure 2 and all subsequent maps of this report.

2.0 GEOLOGY/HYDROGEOLOGY

In the site vicinity, the surface is composed of unconsolidated, wind blown sands and finer materials associated with the Tertiary Ogallala Formation, which serves as a major aquifer for southeastern New Mexico and several high plains states. Alluvial, unconfined ground water is typically present in these sands at varying depths and generally flows from the north to the south. These aquifers are typically characterized by relatively high hydraulic conductivity and transmissivity.

The Ogallala is underlain by the Triassic Dockum Formation, commonly referred to as the "red beds". While there are sand lenses within the Dockum, it is more typically characterized by red silts and shales in which detectable ground water is often absent or limited in extent. Where ground water is present, the aquifer is usually characterized by relatively low hydraulic conductivity and transmissivity.

At the site, the subsurface is composed of approximately 20 feet of sand and caliche which unconformably overlies a horizon of red clay. The red clay corresponds to the Dockum Formation or "red beds". The top of the Dockum Formation represents an erosional surface on which the sands were later deposited. Areas of thick sand sections correspond to areas of greater erosion of the Dockum.

The ground water table occurs at a depth of approximately 16 feet bgs (19 feet from the top of the extended casing), which is near the interface of sand and clay at the site. Monitoring wells completed in that portion of the site area where the ground water occurs within the sand are characterized by high recharge rates and the measured hydraulic conductivity is high. Monitoring wells completed in that portion of the site where the ground water occurs in the red clay are characterized by slow recharge rates and low hydraulic conductivity.

In the site monitoring well samples, the concentration of total dissolved solids (TDS) ranged from 546 to 1406 mg/L in the samples collected from the site monitoring wells. As per New Mexico WQCC statute 20.6.2 Subpart III.3101 and OCD Rule 19 NMAC 15.A.19.A, ground water with TDS concentrations of 10,000 mg/L or less are designated for beneficial use and subject to abatement.

3.0 FIELD ACTIVITIES

In order to determine the extent of impact resulting from the apparent release, field activities were conducted by Environmental Technology Group, Inc. (ETGI) on behalf of EOTT. Between January 25, 2000 and June 28, 2000, 39 soil borings were advanced at the site and 36 were completed as ground water monitoring wells. The soil boring logs are provided as Appendix A and the monitoring well locations are posted on the

site maps. Soil chemistry data from the soil borings are provided as Table 1 and the laboratory reports are provided as Appendix B.

The soil borings were advanced with an air-rotary drilling rig operated by Eades Drilling, Inc. of Hobbs, New Mexico. During the boring process, soil samples were collected at five-foot intervals with a split spoon sampling tool when possible. A portion of all of the soil samples were field screened with a photoionization detector (PID) and the remainder was placed in a laboratory-cleaned, four-ounce soil sample jar. Soil samples with the highest PID reading in each boring, and the sample nearest to the water table, were submitted for laboratory analysis. The water table depths on the boring logs are based on observations made during the boring process. The depth to PSH is difficult to measure during the boring process. Therefore, the depth to PSH is not depicted on the boring logs. However, these data are provided on Table 2.

The monitoring wells were generally developed within two days of completion. The PSH thickness and depth to water was measured regularly in the completed wells during field operations in order to guide the selection of subsequent well points. The first comprehensive ground water/PSH measurements were taken on February 16, 2000. The depths to PSH and/or ground water are depicted on Table 2. These data were collected at least 48 hours after the last removal of product or ground water through pumping operations as discussed below. It should be noted that all of the well casings were completed above ground with risers, which were enclosed in locking steel wellheads. The depth to product and ground water is measured from the top of casing, which averages approximately three feet above the ground surface. The monitoring wells, and one domestic supply well, DW-1, were purged and sampled on the dates listed on Table 3. Additional ground water chemistry is provided as Table 4.

All soil samples selected for laboratory analysis were subjected to total petroleum hydrocarbon (TPH) analysis using EPA Method 8015M GRO/DRO. All ground water samples were analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8021B, 5030. Ground water samples were also subjected to analysis of selected semi-volatiles, selected metals, chlorides, sulfates, carbonates, bicarbonates and total dissolved solids (TDS) as required by the New Mexico Oil Conservation Division (OCD). All laboratory results are provided as Appendix B.

Initial well locations were selected in order to define the extent of PSH in the release area. During this phase, the most significant volume of PSH was detected in monitoring well MW-12 (as much as 2.00 feet) and the water supply wells on the Durham property (as much as 4.40 feet) and the Reynolds property (as much as 0.84 foot). In addition, PSH was detected in monitoring wells MW-1, MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, MW-16, MW-23 and MW-32.

The absence of PSH in wells in the sequence, MW-9 through MW-18, suggests that the downgradient extent of PSH associated with the documented release has been defined. However, some of the initial wells, including monitoring wells MW-2 through MW-6,

detected the presence of PSH north of the release point in an area considered to be upgradient from the documented release point. It should be noted that, since the thickness of PSH in the various wells has varied over time, this thickness is not posted on the boring logs found in Appendix A.

During the site investigation, two area landowners reported that there were two historical releases in the site vicinity, which were unrelated to the current release. Mr. Bob Durham reported that there was a historical release near monitoring well MW-21. In order to locate the release point, soil borings SB-1 through SB-3 were advanced in the area to a depth of 22 to 25 feet bgs. Petroleum impacted soil (in excess of OCD action levels) was detected in the unsaturated zone in soil boring SB-3. This point is located in an area of distressed vegetation, which appeared to be a topographically low point at which the released oil collected on the surface. The presence of impacted soil in the unsaturated zone, as depicted on Figure 3, appears to indicate the presence of a historical release in the area.

The second reported release was provided by one of the landowners living in the residential area located adjacent to the site to the west. He reported that a well head or tank battery release, described as being located some distance northwest of his house, which is located west of monitoring well MW-20, occurred several years ago. The release was reported to have impacted his water supply well, which is located an estimated 150 feet west of monitoring well MW-20. If the landowner's comments are accurate, it is probable that this off-site source, which is unrelated to EOTT operations, has contributed to the petroleum impact observed at the site.

The removal of PSH at the site has been ongoing since January 31, 2000. Several removal methods have been employed as described below:

- A vacuum truck has been utilized during most weekdays to remove PSH from the excavation, which has been deepened and enlarged to facilitate increased removal rates;

- A vacuum truck has been utilized to remove PSH from monitoring well MW-12, the water well on the Reynolds property, and recently, from an abandoned well on the Durham property near monitoring well MW-4;

- A submersible pump has been utilized to remove PSH from monitoring well MW-12;

- Pneumatic skimmer pumps have been installed in monitoring wells MW-2, MW-3, MW-4, MW-5, MW-7, MW-12 and MW-16.

ETGI worked with Southwestern Public Service (SPS) to provide electricity to the site in order to operate the submersible pump and oil skimmers on a 24-hour basis. In the

interim, the pump and oil skimmers were operated during the day with a portable generator. A steel equipment shed and bermed storage tank have been installed on each side of the road to facilitate ongoing recovery of PSH.

As of December 1, 2000, approximately 8,585 gallons, or 204 barrels of PSH have been recovered from the subsurface. A portion of the fluid has been re-injected into the pipeline system and the remainder has been disposed of at a permitted facility in Eunice, New Mexico.

During the week of May 15, 2000, the existing excavation was reconfigured to allow for the installation of a 30-foot long PSH recovery trench. The trench contains a horizontal, slotted, eight-inch PVC pipe placed in gravel at the top of the water table. The horizontal pipe is attached to a vertical riser pipe, into which a six-inch PSH skimmer will be installed. A plan, including system design and installation schedule, was submitted to the OCD for approval prior to installation. Approval for the procedure was granted by the OCD prior to the installation.

4.0 RESULTS

4.1 NEW MEXICO OIL CONSERVATION DIVISION (OCD) SOIL CLASSIFICATION

During the site investigation, soils that may be characterized by OCD guidelines as Highly Contaminated/Saturated Soils were observed in the vadose zone interval of the excavation walls. This material was located between four to eight feet bgs in the south, northwest and east walls of the excavation. This material may merge with saturated soils in the capillary fringe; however, the nature of the excavation walls prevented the confirmation of deeper hydrocarbon saturated soils.

With the exception of the monitoring well MW-1 location, which is located immediately adjacent to the excavation, Highly Contaminated/Saturated Soils were not observed in any of the other borings/monitoring wells. Therefore, it is assumed that this material is generally limited to the area between the excavation and the nearest monitoring wells. However, based on the thickness of PSH measured at the site, it is evident that there are hydrocarbon-saturated materials in the capillary fringe and smear zones.

The ground water table occurs at a depth of approximately 16 feet bgs (19 feet from the top of the extended casing). An abandoned water supply well is located on the Bob Durham Property, between monitoring wells MW-4 and MW-20 and a water supply well is located on the Caleb Reynolds property, adjacent to the EOTT site. These site conditions result in an OCD Ranking of greater than 19 points. The distance to the nearest surface water, not including man made excavations, is greater than 1,000 feet from the site. Therefore, this parameter has no bearing on determining the OCD ranking. Per the OCD Guidelines (1993), the soil remediation action levels for a site with a Ranking Score of greater than 19 are as follows:

- Benzene - 10 ppm
- BTEX - 50 ppm
- TPH - 100 ppm

Further reference to impacted soil in this report refers to soils that exceed this standard.

4.2 DISTRIBUTION OF HYDROCARBONS IN SOIL

The presence of petroleum-impacted soil was detected in the unsaturated zone at eleven of the site monitoring wells. The greatest impact in the unsaturated zone was detected at the monitoring well MW-1 location, where a TPH concentration of 5,499 mg/kg was measured in the soil sample collected at five feet below the ground surface (bgs).

The data collected during the field activities were used to construct Figure 3, which is an isopach map of the thickness of impacted soil in the unsaturated zone. The presence of impacted soil above the water table indicates proximity to a near-surface release. As depicted on the map, three areas of near-surface soil impact were detected.

The lateral distribution of unsaturated zone impact is well defined around two of the areas. These include the documented release around the excavation and the reported release near monitoring well MW-21. However, the origin and lateral extent of impact around monitoring wells MW-20 and MW-23 are not well defined. The advancement of monitoring well MW-26 to the west of monitoring well MW-20 defined the extent and origin of this impact.

In addition to impacted soil in the unsaturated zone, a smear zone was detected in the area in which PSH was present. The greatest soil impact within the smear zone was detected at the monitoring well MW-12 location where the TPH concentration in the sample collected from 15 feet bgs was 3,501 mg/kg.

4.3 DISTRIBUTION OF HYDROCARBONS IN GROUND WATER

Shallow ground water at the site occurs near the unconformity between the underlying red clay of the Dockum Formation and the unconsolidated sands associated with the overlying Ogallala Formation. At the site, this unconformity is present at depths that range between 14 to 24 feet bgs. This relationship is depicted on Figure 4, which is a cross-section across the site from the southwest to the northeast. The movement of

fluids, including ground water and PSH, is enhanced where the ground water occurs in the sand, such as at monitoring well MW-12. However, the movement of fluids is significantly retarded in areas where the ground water occurs within the red clay, such as in monitoring well MW-14 (C.W. Fetter, *Applied Hydrogeology*, 1988) .

The ground water gradient, as depicted on Figure 5, slopes to the south at approximately 0.002 feet per foot north of the road but relatively steepens to 0.016 feet per foot on the south side of the road. The variations in gradient, as evidenced on the map, are most likely a function of variations in lithology at the water table as discussed above, and the presence of PSH within portions of the mapped area.

A plume of PSH is distributed in the subsurface across the site as depicted on Figure 6. The thickness of PSH is greatest at monitoring well MW-12, where measured PSH thickness was initially 2.20 feet. As depicted on the map, by December 19, 2000, the thickness had reduced to 0.036 feet.

As depicted on Figure 7, sheen of oil was detected on the ground water at three of the site wells (MW-20, MW-21 and MW-23). A halo of sheen was projected to exist around the perimeter of PSH as shown on the map.

The initial advancement and resulting analytical data of monitoring well MW-32 indicated the soil and ground water samples were below OCD regulatory standards. During the fourth quarter ground water sampling event measureable PSH was detected in monitoring well MW-32, as shown on Figure 7.

Dissolved phase petroleum constituents were detected in six of the monitoring well samples, four of which (MW-9, MW-10, MW-11 and MW-13) were above the OCD standard for benzene. These wells are generally located downgradient of the PSH plume. With the exception of benzo-a-pyrene, none of the ground water samples were in excess of New Mexico WQCC standards for other petroleum constituents including naphthalene (see Table 4). All of the samples were non-detect for benzo-a-pyrene, however the laboratory detection limit was 0.005 mg/L while the regulatory limit is 0.0007 mg/L. The analytical method used for this analysis is acceptable to the OCD and this detection limit is a function of this method. Therefore, it cannot be concluded that ground water at the site does not exceed the regulatory limit for benzo-a-pyrene.

In the site monitoring well samples, TDS concentrations range from 546 mg/L to 1406 mg/L. New Mexico WQCC statute 20.6.2 Subpart III.3101 and OCD Rule 19 NMAC 15.A.19.A state that ground water with a TDS concentration of less than 10,000 mg/L is considered to be of beneficial use and subject to abatement. Since all of the TDS sample concentrations from the site are below this value, the site ground water qualifies for beneficial use and is subject to abatement.

5.0 SUMMARY AND CONCLUSION

EOTT personnel detected evidence of a crude oil pipeline release during excavation work done to provide access to the pipeline in order to facilitate slip-lining of the pipeline. The release point is located on the eastern most pipeline of two parallel pipelines, both of which are owned and operated by EOTT Energy Corp. (EOTT).

During the initial response, an estimated 2,000 cubic yards of impacted soil was excavated and removed from the area immediately north of the highway. EOTT personnel indicated that the soil was taken to J&L Landfarm, located near Eunice, New Mexico. The resulting excavation measured approximately 130 feet long by 60 feet wide with the deepest portion of the floor located approximately 16 feet below the ground surface (bgs). A section of the pipeline was removed and the polyethylene liner project was continued.

During the site investigation, measurable PSH was detected in 10 of the 36 monitoring wells. In addition, PSH was detected in the Bob Durham and Caleb Reynolds water supply wells, which are located northwest and west of the release point, respectively. As of December 1, 2000, an estimated 8,585 gallons, or 204 barrels, of PSH have been removed from the subsurface as described above.

During field activities, subsurface evidence of a release, located upgradient of the documented release was detected in the area of soil boring SB-3. Impacted soil in the unsaturated zone of soil boring SB-3 and at monitoring well MW-21 appears to confirm the reported incident.

A landowner reported that a release occurred some distance to the north and west of his property, which is located west of monitoring well MW-20. The release was reported to have impacted his water supply well, which appears to be located an estimated 150 feet to the west of monitoring well MW-20. If the landowner's comments are accurate, it appears that an off-site source may have contributed to the petroleum impact observed at the site.

As depicted on Figure 5, a strong western component to the generally south trending gradient is present in the area northwest of the release point. It is possible that the presence of PSH in the release point build up enough hydraulic head to cause the movement of PSH to the northwest of the release point. Monitoring wells in this area also penetrated a relatively thick sand section at the water table which may have provided a preferential path for the migration of PSH in this direction.

This apparent preferential path of migration continues to the northwest through

monitoring well MW-20; however to date analytical data from monitoring MW-26 indicates no apparent migration of contaminants. This could provide a mechanism whereby the off-site release, located to the northwest, could impact the site.

Dissolved phase concentrations of aluminum, iron, manganese and nickel were present in the ground water in excess of New Mexico WQCC standards. Upgradient monitoring wells MW-19, MW-22, and MW-24, in which there is no documented petroleum impact, indicated a presence of these metals. Monitoring well MW-3 in which there is documented petroleum impact also contains elevated levels of these metals, with the exception of nickel. Therefore, the presence of metals in the ground water at the site does not appear to be a function of the pipeline release.

6.0 MONITORING PLAN

All site monitoring wells will be gauged and sampled on a quarterly basis. Each well will be measured for the depth to PSH and/or ground water. All of the ground water monitoring wells, with the exception of those with measurable PSH on the water table, will be purged and sampled for BTEX and TPH.

After purging the wells, ground water samples will be collected with a disposable Teflon sampler and polyethylene line by personnel wearing clean, disposable gloves. Ground water sample containers will be filled in the order of decreasing volatilization sensitivity (i.e., BTEX containers will be filled first and PAH containers second).

Ground water samples collected for BTEX analysis will be placed in 40 ml glass VOA vials equipped with Teflon lined caps. The containers will be provided by the analytical laboratory. The vials will be filled to a positive meniscus, sealed, and visually checked to ensure the absence of air bubbles. The containers will be provided by the analytical laboratory.

The filled containers will be labeled and placed on ice in an insulated cooler. The cooler will be sealed for transportation to the analytical laboratory. Proper chain-of-custody documentation will be maintained throughout the sampling process.

The ground water samples will be analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030
- TPH concentrations in accordance with modified EPA Method 8015-GRO/DRO

The quarterly data will be compiled and summarized in an annual report. The annual report will be submitted prior to April 1 of the following year.

7.0 SCHEDULE OF ACTIVITIES

At the present time, PSH is being skimmed or pumped from all of the PSH impacted monitoring wells on a daily basis. In addition, permanent equipment has been installed that will allow the removal of product from these wells on a 24 hour basis. This system was installed and fully operational by May 2000 and will continue until measurable PSH has been removed from the site monitoring wells.

Quarterly sampling events were conducted in June, September and December 2000. The annual report will be provided to the NMOCD prior to April 1, 2001.

A Stage 2 abatement report, which will address the impacted soil and ground water, will be provided in the near future. Based on site conditions, future activities should include the abatement of soil and ground water as appropriate. Details of these remedial activities will be provided under separate cover.

8.0 QA/QC PROCEDURES

8.1 Soil Sampling

Samples of subsurface soils were obtained utilizing either a split spoon sampler (air rotary drilling rig) or a two inch, continuous sampling tube with a clean polybuterate liner (geoprobe). Representative soil samples were divided into two separate portions using clean, disposable gloves and clean sampling tools. One portion of the soil sample was placed in a disposable sample bag. The bag was labeled and sealed for head space analysis using a PID calibrated to a 100 ppm isobutylene standard. Each sample was allowed to volatilize for approximately 30 minutes at ambient temperature prior to conducting the analysis.

The other portion of the soil sample was placed in a sterile glass container equipped with a Teflon lined lid furnished by the analytical laboratory. The container was filled to capacity to limit the amount of head space present. Each container was labeled and placed on ice in an insulated cooler. Upon selection of samples for analysis, the cooler was sealed for shipment to the laboratory. Proper chain-of-custody documentation was maintained throughout the sampling process.

Soil samples were delivered to Environmental Lab of Texas, Inc. in Odessa, Texas for BTEX and TPH analyses using the methods described below. Soil samples were analyzed for BTEX and TPH-GRO/DRO within 14 days following the collection date.

The soil samples were analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030

- TPH concentrations in accordance with modified EPA Method 8015M-GRO/DRO

8.2 Ground Water Sampling

Monitoring wells were developed and purged with a clean PVC bailer. The bailer was cleaned prior to each use with Liqui-Nox detergent and rinsed with distilled water. Monitoring wells with sufficient recharge were purged by removing a minimum of three well volumes. Monitoring wells that did not recharge sufficiently were purged until no additional ground water could be obtained.

After purging the wells, ground water samples were collected with a disposable Teflon sampler and polyethylene line by personnel wearing clean, disposable gloves. Ground water sample containers were filled in the order of decreasing volatilization sensitivity (i.e., BTEX containers will be filled first and PAH containers second).

Ground water samples, collected for BTEX analysis, were placed in 40 ml glass VOA vials equipped with Teflon-lined caps. The containers were provided by the analytical laboratory. The vials were filled to a positive meniscus, sealed, and visually checked to ensure the absence of air bubbles.

Ground water samples, collected for PAH analysis, were filled to capacity in sterile, one liter glass containers equipped with Teflon lined caps. Ground water samples, collected for metals analysis, were filled to capacity in sterile, 1 liter plastic containers equipped with Teflon lined caps. The containers were provided by the analytical laboratory.

The filled containers were labeled and placed on ice in an insulated cooler. The cooler was sealed for transportation to the analytical laboratory. Proper chain-of-custody documentation was maintained throughout the sampling process.

The ground water samples were analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030
- TPH concentrations in accordance with modified EPA Method 8015M-GRO/DRO

8.3 Decontamination Of Equipment

Cleaning of drilling equipment was the responsibility of the drilling company. In general, the cleaning procedures consisted of using high pressure steam to wash the drilling and sampling equipment prior to drilling and prior to starting each hole. Prior to use, the sampling equipment was cleaned with Liqui-Nox detergent and rinsed with distilled water.

8.4 Laboratory Protocol

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody form. These procedures were either transmitted with the laboratory reports or are on file at the laboratory. A review of the QA/QC data, transmitted with the laboratory reports, were reviewed by ETGI personnel. All instrumentation and extraction accuracy ranges were within acceptable limits. All blank samples were non-detect for the tested constituents and holding times, for all samples, were within established limits.

9.0 LIMITATIONS

Environmental Technology Group, Inc. has prepared this Subsurface Investigation Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

Environmental Technology Group, Inc. has `examined and relied upon documents referenced in the report and has relied on Instrument accuracy and extraction accuracy data provided by the laboratory. Environmental Technology Group, Inc. has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Environmental Technology Group, Inc. has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Environmental Technology Group, Inc. also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of EOTT Energy Corp. The information contained in this report including all exhibits and attachments, may not be used by any other party without the express consent of Environmental Technology Group, Inc. and/or EOTT Energy Corp.

DISTRIBUTION

Copies 1 & 2:
Mr. William C. Olson/Randy Bayliss
New Mexico Oil Conservation Division-District 4
1220 S. St. Francis Dr.
Sante Fe, New Mexico 87505

Copy 3:
Chris Williams
New Mexico Oil Conservation Division-District 1
1625 French Drive
Hobbs, New Mexico 88240

Copy 4:
Cutty Cunningham
Enron Transportation and Services Company
1400 Smith Street ECN4546
Houston, Texas 77002

Copy 5:
Mike Kelly
EOTT Energy Corp.
2000 W. Sam Houston Parkway
Houston, Texas 77042

Copy 6:
Frank Hernandez
Enron Transportation and Services Company
8112 W. Hwy 82
Lovington, New Mexico 88260

Copy 7:
Environmental Technology Group, Inc.
4600 W. Wall
Midland, Texas 79703

Copy 8:
Environmental Technology Group, Inc.
2540 W. Marland
Hobbs, New Mexico 88240

Copy Number:_____

_____
Quality Control Review

TABLES

Table 1

SUMMARY OF SOIL CHEMISTRY

EOTT ENERGY CORPORTATION
BOB DURHAM
MONUMENT, NEW MEXICO
ETGI Project # EOT 2044C

All concentrations are in mg/kg

SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH	SW 846-8015M GRO/DRO		SW 846-8021B, 5030				
			GRO C_6 C_{10}	DRO $>C_{10}$ C_{28}	BENZENE	TOLUENE	ETHYL-BENZENE	M,P-XYLENES	O-XYLENES
MW-1	1/25/00	5'	1838	3661	2.51	13.7	13.2	51.5	17.3
MW-1	1/25/00	15'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-2	1/25/00	5'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-2	1/25/00	15'	<10	26	<0.100	0.106	<0.100	0.129	<0.100
MW-3	1/25/00	15'	<10	29	<0.100	0.143	<0.100	0.150	<0.100
MW-4	1/25/00	15'	<10	<10	<0.100	0.105	<0.100	<0.100	<0.100
MW-5	1/25/00	15'	11	210	<0.100	<0.100	<0.100	0.167	<0.100
MW-6	1/25/00	15'	<10	37	<0.100	<0.100	<0.100	<0.100	<0.100
MW-7	1/26/00	15'	49	420	<0.100	0.168	0.170	0.720	0.383
MW-8	1/26/00	15'	<10	124	<0.100	<0.100	<0.100	0.131	<0.100
MW-9	1/26/00	15'	<10	<10	<0.100	0.312	0.312	0.978	0.583
MW-10	1/26/00	15'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-11	1/26/00	20'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-12	1/26/00	15'	694	2807	<0.100	1.10	1.57	6.16	3.16
MW-12	1/26/00	20'	104	863	<0.100	1.30	0.513	2.59	1.46
MW-13	1/27/00	5'	<10	<10	<0.100	0.110	<0.100	<0.100	<0.100
MW-13	1/27/00	15'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-14	1/27/00	15'	<10	<10	<0.100	0.216	0.243	0.264	0.143
MW-15	1/27/00	15'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-16	1/27/00	5'	<10	<10	<0.100	0.114	0.107	0.314	0.262
MW-16	1/27/00	10'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-16	1/27/00	15'	794	2032	0.942	1.38	2.07	7.78	3.25
MW-17	2/7/00	15'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-18	2/7/00	20'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-19	2/9/00	15'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-20	2/9/00	15'	<10	<10	<0.100	0.264	0.153	0.272	0.129
MW-22	2/10/00	15'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-23	2/10/00	15'	<10	349	<0.100	<0.100	<0.100	<0.100	<0.100
MW-23	2/10/00	20'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-24	2/10/00	15'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-25	2/10/00	15'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
SB-1	1/28/00	15'	<10	17	<0.100	<0.100	<0.100	0.115	<0.100
SB-2	2/9/00	5'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
SB-2	2/9/00	15'	<10	<10	<0.100	<0.100	<0.100	0.190	<0.100
SB-3	2/9/00	10'	14	449	<0.100	<0.100	<0.100	0.164	<0.100
SB-3	2/9/00	15'	<10	<10	<0.100	<0.100	<0.100	<0.100	<0.100
MW-26	6/7/00	5'	<10	<10					
MW-26	6/7/00	10'	<10	<10					
MW-26	6/7/00	15'	<10	<10					
MW-26	6/7/00	20'	<10	<10					
MW-26	6/7/00	29'	<10	<10					
MW-27	6/7/00	5'	<10	<10					
MW-27	6/7/00	10'	<10	<10					
MW-27	6/7/00	15'	<10	<10					
MW-27	6/7/00	20'	<10	<10					
MW-27	6/7/00	27'	<10	<10					
MW-27	6/7/00	29'	<10	<10					
MW-28	6/26/00	0-2'	<10	<10					
MW-26	6/26/00	3-5'	<10	<10					
MW-28	6/26/00	8-10'	<10	<10					
MW-28	6/26/00	13-15'	<10	<10					
MW-28	6/26/00	18-20'	<10	<10					

SUMMARY OF SOIL CHEMISTRY

EOTT ENERGY CORPORTATION
~~BOB DURHAM~~
MONUMENT, NEW MEXICO
ETGI Project # EOT 2044C

All concentrations are in mg/kg

SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH	SW 846-8015M GRO/DRO		SW 846-8021B, 5030				
			GRO C_6 C_{10}	DRO $>C_{10}$ C_{28}	BENZENE	TOLUENE	ETHYL-BENZENE	M,P-XYLENES	O-XYLENES
MW-28	6/26/00	23-25'	<10	<10					
MW-29	6/26/00	0-2'	<10	17					
MW-29	6/26/00	3-5'	<10	<10					
MW-29	6/26/00	8-10'	<10	<10					
MW-29	6/26/00	13-15'	<10	10					
MW-29	6/26/00	18-20'	<10	<10					
MW-29	6/26/00	23-25'	<10	<10					
MW-30	6/26/00	0-2'	<10	22					
MW-30	6/26/00	3-5'	<10	<10					
MW-30	6/26/00	8-10'	<10	<10					
MW-30	6/26/00	13-15'	<10	<10					
MW-30	6/26/00	18-20'	<10	<10					
MW-30	6/26/00	23-25'	<10	<10					
MW-31	6/30/00	0-2'	<10	<10					
MW-31	6/30/00	3-5'	<10	<10					
MW-31	6/30/00	8-10'	<10	<10					
MW-31	6/30/00	13-15'	<10	<10					
MW-31	6/27/00	18-20'	<10	<10					
MW-31	6/27/00	21-23'	<10	<10					
MW-32	6/27/00	0-2'	<10	<10					
MW-32	6/27/00	3-5'	<10	<10					
MW-32	6/27/00	8-10'	<10	18					
MW-32	6/27/00	13-15'	<10	43					
MW-32	6/27/00	18-20'	<10	<10					
MW-32	6/27/00	23-25'	<10	<10					
MW-33	6/27/00	0-2'	<10	<10					
MW-33	6/27/00	3-5'	<10	<10					
MW-33	6/27/00	8-10'	<10	<10					
MW-33	6/27/00	13-15'	<10	<10					
MW-33	6/27/00	18-20'	<10	<10					
MW-33	6/27/00	23-25'	<10	<10					
MW-34	6/28/00	0-2'	<10	<10					
MW-34	6/28/00	3-5'	<10	<10					
MW-34	6/28/00	8-10'	<10	<10					
MW-34	6/28/00	13-15'	<10	<10					
MW-34	6/28/00	18-20'	<10	<10					
MW-34	6/28/00	23-25'	<10	<10					
MW-35	6/28/00	0-2'	<10	<10					
MW-35	6/28/00	3-5'	<10	<10					
MW-35	6/28/00	8-10'	<10	<10					
MW-35	6/28/00	13-15'	<10	<10					
MW-35	6/28/00	18-20'	<10	<10					
MW-35	6/28/00	23'	<10	<10					
MW-36	6/28/00	0-2'	<10	<10					
MW-36	6/28/00	3-5'	<10	<10					
MW-36	6/28/00	8-10'	<10	<10					
MW-36	6/28/00	13-15'	<10	<10					
MW-36	6/28/00	18-20'	<10	<10					
MW-36	6/28/00	23'	<10	<10					

Table 2

GROUND WATER ELEVATION DATA

EOTT ENERGY CORPORATION
BOB DURHAM
MONUMENT, NEW MEXICO
PROJECT # EOT 2044C

Well Number	DATE MEASURED	Casing Well Elevation	Depth to Product	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
MW - 1	02/16/00	3,595.43	15.60	15.71	0.11	3,579.81
	06/09/00	3,595.43	15.54	15.60	0.06	3,579.88
	09/19/00	3,595.43	14.97	15.05	0.06	3,580.43
	12/19/00	3,595.43	14.97	15.05	0.06	3,580.43
MW - 2	02/16/00	3,595.64	15.47	15.76	0.29	3,580.13
	06/09/00	3,595.64	15.52	15.81	0.29	3,580.08
	09/19/00	3,595.64	15.19	15.23	0.29	3,580.66
	12/19/00	3,595.64	15.19	15.23	0.29	3,580.66
MW - 3	02/16/00	3,596.22	-	15.51	0.00	3,580.71
	06/09/00	3,596.22	-	15.57	0.00	3,580.65
	09/19/00	3,596.22	-	15.25	0.00	3,580.97
	12/19/00	3,596.22	-	15.38	0.00	3,580.84
MW - 4	02/16/00	3,596.60	15.90	16.70	0.80	3,580.58
	06/09/00	3,596.60	15.85	16.78	0.93	3,580.61
	09/19/00	3,596.60	15.66	15.66	0.93	3,581.73
	12/19/00	3,596.60	-	15.77	0.00	3,580.83
MW - 5	02/16/00	3,596.56	17.30	17.38	0.08	3,579.25
	06/09/00	3,596.56	17.37	17.68	0.31	3,579.14
	09/19/00	3,596.56	16.88	16.88	0.31	3,579.94
	12/19/00	3,596.56	-	17.21	0.00	3,579.35
MW - 6	02/16/00	3,596.66	15.10	15.33	0.23	3,581.53
	06/09/00	3,596.66	15.46	15.52	0.46	3,581.53
	09/19/00	3,596.66	14.62	14.82	0.46	3,582.23
	12.19/00	3,596.66	14.62	14.82	0.46	3,582.23
MW - 7	02/16/00	3,596.96	17.67	18.58	0.91	3,579.15
	06/09/00	3,596.96	17.74	18.41	0.67	3,579.12
	09/19/00	3,596.96	17.20	17.20	0.67	3,580.33
	12/19/00	3,596.96	17.72	17.48	0.24	3,579.68
MW - 8	02/16/00	3,597.35	16.83	17.12	0.29	3,580.48
	06/09/00	3,597.35	16.90	17.13	0.23	3,580.42
	09/19/00	3,597.35	16.60	16.60	0.23	3,580.95
	12/19/00	3,597.35	16.60	16.60	0.23	3,580.95
MW - 9	02/16/00	3,593.95	-	18.23	0.00	3,575.72
	06/09/00	3,593.95	-	18.20	0.00	3,575.75
	09/19/00	3,593.95	-	18.22	0.00	3,575.73
	12/19/00	3,593.95	-	18.23	0.00	3,575.72
MW - 10	02/16/00	3,594.57	-	20.32	0.00	3,574.25
	06/09/00	3,594.57	-	20.41	0.00	3,574.16
	09/19/00	3,594.57	-	20.21	0.00	3,574.36
	12/19/00	3,594.57	-	20.36	0.00	3,574.21
MW - 11	02/16/00	3,593.77	-	19.37	0.00	3,574.40
	06/09/00	3,593.77	-	19.45	0.00	3,574.32
	09/19/00	3,593.77	-	19.58	0.00	3,574.19
	12/19/00	3,593.77	-	19.33	0.00	3,574.44

Table 2

GROUND WATER ELEVATION DATA

EOTT ENERGY CORPORATION
BOB DURHAM
MONUMENT, NEW MEXICO
PROJECT # EOT 2044C

Well Number	DATE MEASURED	Casing Well Elevation	Depth to Product	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
MW - 12	02/16/00	3,596.39	18.82	20.21	1.39	3,577.36
	06/09/00	3,596.39	18.55	18.91	0.36	3,577.79
	09/19/00	3,596.39	18.48	18.86	0.36	3,577.84
	12/19/00	3,596.39	18.55	18.91	0.36	3,577.79
MW - 13	02/16/00	3,592.71	-	19.59	0.00	3,573.12
	06/09/00	3,592.71	-	19.61	0.00	3,573.10
	09/19/00	3,592.71	-	19.56	0.00	3,573.15
	12/19/00	3,592.71	-	19.60	0.00	3,573.11
MW - 14	02/16/00	3,592.73	-	19.53	0.00	3,573.20
	06/09/00	3,592.73	-	19.57	0.00	3,573.16
	09/19/00	3,592.73	-	19.45	0.00	3,573.28
	12/19/00	3,592.73	-	19.49	0.00	3,573.24
MW - 15	02/16/00	3,595.93	-	18.54	0.00	3,577.39
	06/09/00	3,595.93	-	18.30	0.00	3,577.63
	09/19/00	3,595.93	-	18.11	0.00	3,577.82
	12/19/00	3,595.93	-	18.25	0.00	3,577.68
MW - 16	02/16/00	3,595.75	16.53	17.01	0.48	3,579.15
	06/09/00	3,595.75	16.89	17.08	0.19	3,578.83
	09/19/00	3,595.75	16.41	16.53	0.19	3,579.38
	12/19/00	3,595.75	-	16.65	0.00	3,579.10
MW - 17	02/16/00	3,593.17	-	18.24	0.00	3,574.93
	06/09/00	3,593.17	-	18.27	0.00	3,574.90
	09/19/00	3,593.17	-	18.21	0.00	3,574.96
	12/19/00	3,593.17	-	18.24	0.00	3,574.93
MW - 18	02/16/00	3,593.39	-	18.65	0.00	3,574.74
	06/09/00	3,593.39	-	18.79	0.00	3,574.60
	09/19/00	3,593.39	-	18.65	0.00	3,574.74
	12/19/00	3,593.39	-	18.65	0.00	3,574.74
MW - 19	02/16/00	3,599.33	-	17.45	0.00	3,581.88
	09/09/00	3,599.33	-	17.45	0.00	3,581.88
	09/19/00	3,599.33	-	17.44	0.00	3,581.89
	12/19/00	3,599.33	-	17.45	0.00	3,581.88
MW - 20	02/16/00	3,597.64	-	17.13	0.00	3,580.51
	06/09/00	3,597.64	-	17.16	0.00	3,580.48
	09/19/00	3,597.64	-	17.07	0.00	3,580.57
	12/19/00	3,597.64	-	17.06	0.00	3,580.58
MW - 21	02/16/00	3,596.88	-	15.98	0.00	3,580.90
	06/09/00	3,596.88	-	15.96	0.00	3,580.92
	09/19/00	3,596.88	-	15.88	0.00	3,581.00
	12/19/00	3,596.88	-	15.91	0.00	3,580.97

Table 2

GROUND WATER ELEVATION DATA

EOTT ENERGY CORPORATION
BOB DURHAM
MONUMENT, NEW MEXICO
PROJECT # EOT 2044C

Well Number	DATE MEASURED	Casing Well Elevation	Depth to Product	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
MW - 22	02/16/00	3,598.34	-	17.23	0.00	3,581.11
	06/09/00	3,598.34	-	17.23	0.00	3,581.11
	09/19/00	3,598.34	-	17.22	0.00	3,581.12
	12/19/00	3,598.34	-	17.24	0.00	3,581.10
MW - 23	02/16/00	3,598.07	-	17.83	0.00	3,580.24
	06/09/00	3,598.07	17.68	17.68	0.00	3,580.39
	09/19/00	3,598.07	17.77	17.77	0.00	3,580.30
	12/19/00	3,598.07	17.77	17.77	0.00	3,580.30
MW - 24	02/16/00	3,598.01	-	16.97	0.00	3,581.04
	06/09/00	3,598.01	-	16.98	0.00	3,581.03
	09/19/00	3,598.01	-	16.82	0.00	3,581.19
	12/19/00	3,598.01	-	16.97	0.00	3,581.04
MW - 25	02/16/00	3,599.25	-	18.79	0.00	3,580.46
	06/09/00	3,599.25	-	18.88	0.00	3,580.37
	09/19/00	3,599.25	-	18.57	0.00	3,580.68
	12/19/00	3,599.25	-	18.71	0.00	3,580.54
MW - 26	NOT INSTALLED					
	06/09/00	3,595.26	-	14.73	0.00	3,580.53
	09/19/00	3,595.26	-	14.68	0.00	3,580.58
	12/19/00	3,595.26	-	14.64	0.00	3,580.62
MW - 27	NOT INSTALLED					
	06/09/00	3,592.64	-	14.13	0.00	3,578.51
	09/19/00	3,592.64	-	14.08	0.00	3,578.56
	12/19/00	3,592.64	-	14.09	0.00	3,578.55
MW - 28	NOT INSTALLED	3,598.02		DRY		
	07/13/00	3,598.02		DRY		
	09/19/00	3,598.02		DRY		
	12/19/00	3,598.02		DRY		
MW - 29	NOT INSTALLED					
	07/13/00	3,595.29	-	21.42	0.00	3,573.87
	09/19/00	3,595.29	-	21.55	0.00	3,573.74
	12/19/00	3,595.29	-	21.55	0.00	3,573.74
MW - 30	NOT INSTALLED					
	07/13/00	3,595.74	-	22.35	0.00	3,573.39
	09/19/00	3,595.74	-	22.27	0.00	3,573.47
	12/19/00	3,595.74	-	22.29	0.00	3,573.45
MW - 31	NOT INSTALLED					
	07/13/00	3,593.77	-	20.68	0.00	3,573.09
	09/19/00	3,593.77	-	21.03	0.00	3,572.74
	12/19/00	3,593.77	-	21.23	0.00	3,572.54
MW - 32	NOT INSTALLED	3,592.11				
	07/13/00	3,592.11	-	19.79	0.00	3,572.32
	09/19/00	3,592.11	19.67	19.76	0.09	3,572.43
	12/19/00	3,592.11	19.67	19.76	0.09	3,572.43

Table 2

GROUND WATER ELEVATION DATA

EOTT ENERGY CORPORATION
BOB DURHAM
MONUMENT, NEW MEXICO
PROJECT # EOT 2044C

Well Number	DATE MEASURED	Casing Well Elevation	Depth to Product	Depth to Water	PSH Thickness	Corrected Groundwater Elevation
MW - 33	NOT INSTALLED					
	07/13/00	3,592.55	-	20.07	0.00	3,572.48
	09/19/00	3,592.55	-	19.99	0.00	3,572.56
	12/19/00	3,592.55	-	19.96	0.00	3,572.59
MW - 34	NOT INSTALLED					
	07/13/00	3,593.30	-	19.01	0.00	3,574.29
	09/19/00	3,593.30	-	19.19	0.00	3,574.11
	12/19/00	3,593.30	-	19.21	0.00	3,574.09
MW - 35	NOT INSTALLED					
	07/13/00	3,594.47	-	18.67	0.00	3,575.80
	09/19/00	3,594.47	-	18.73	0.00	3,575.74
	12/19/00	3,594.47	-	18.78	0.00	3,575.69
MW - 36	NOT INSTALLED					
	07/13/00	3,595.80	-	18.03	0.00	3,577.77
	09/19/00	3,595.80	-	18.13	0.00	3,577.67
	12/19/00	3,595.80	-	18.15	0.00	3,577.65

Table 3

SUMMARY OF GROUND WATER CHEMISTRY

EOTT ENERGY CORPORATION
BOB DURHAM
MONUMENT, NEW MEXICO
ETGI Project # EOT 2044C

All concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030					SULFATE (mg/L)	CHLORIDE (mg/L)	CARBONATE (mg/L)	BICARBONATE (mg/L)	TDS (mg/L)
		BENZENE	TOLUENE	ETHYL-BENZENE	M,P-XYLENES	O-XYLENES					
MW - 3	02/03/2000	0.480	0.235	0.153	0.441	0.170	82.8	80	0	300	568
MW - 9	02/02/2000	0.020	0.007	0.001	0.004	0.002	107.8	106	0	300	660
MW - 10	02/02/2000	0.009	0.004	<0.001	<0.001	<0.001	109.5	89	0	300	618
MW - 11	02/02/2000	0.027	0.009	0.002	0.004	0.001	182.5	115	0	350	823
MW - 13	02/02/2000	0.821	0.008	0.02	0.007	0.004	89.8	115	0	370	703
MW - 14	02/03/2000	0.004	0.001	<0.001	<0.001	<0.001	230	106	0	350	840
MW - 15	02/03/2000	<0.001	<0.001	<0.001	<0.001	<0.001	178.8	106	0	350	803
MW - 17	02/17/2000	0.001	<0.001	<0.001	<0.001	<0.001	248	133	0	300	864
MW - 18	02/17/2000	<0.001	<0.001	<0.001	<0.001	<0.001	251	142	0	280	868
MW - 19	02/17/2000	<0.001	<0.001	<0.001	<0.001	<0.001	102	89	0	220	501
MW - 20	06/09/2000	0.004	0.001	0.001	0.003	<0.001	130.7	106	0	360	783
MW - 21	06/09/2000	0.001	0.001	0.001	0.002	0.001	81.2	81	0	366	694
MW - 22	02/17/2000	<0.001	<0.001	<0.001	<0.001	<0.001	213	89	0	300	722
MW - 24	02/17/2000	<0.001	<0.001	<0.001	<0.001	<0.001	105	80	0	240	546
MW - 25	02/17/2000	<0.001	<0.001	<0.001	<0.001	<0.001	97	89	0	230	548
MW - 26	06/09/2000	<0.001	<0.001	<0.001	<0.001	<0.001	158.8	117	0	280	855
MW - 27	06/09/2000	<0.001	<0.001	0.001	<0.001	<0.001	164.5	112	0	286	792
MW - 29	07/13/2000	<0.001	<0.001	<0.001	<0.001	<0.001	308	292	0	344	1406
MW - 30	07/13/2000	<0.001	0.001	0.001	0.002	<0.001	90	106	0	320	615
MW - 31	07/13/2000	0.002	0.002	<0.001	<0.001	<0.001	62	168	0	420	801
MW - 32	07/13/2000	<0.001	0.003	<0.001	<0.001	<0.001	136	97	0	232	676
MW - 33	07/13/2000	0.008	0.002	<0.001	0.002	<0.001	199	118	0	332	796
MW - 34	07/13/2000	<0.001	<0.001	<0.001	<0.001	<0.001	212	142	0	293	825
MW - 35	07/13/2000	<0.001	<0.001	<0.001	<0.001	<0.001	175	102	0	273	645
MW - 36	07/13/2000	<0.001	<0.001	<0.001	<0.001	<0.001	168	97	0	267	646

Table 4

ADDITIONAL GROUND WATER CHEMISTRY

EOTT ENERGY CORPORATION
BOB DURHAM
MONUMENT, NEW MEXICO
EGTI Project # EOT 2044C

All water concentrations are in mg/L

			EPA SW846-6010B, 7470																						
SAMPLE LOCATION	SAMPLE DATE	SAMPLE TYPE	Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Tin	Vanadium	Zinc	Boron	Strontium
MW - 3	02/03/2000	WATER	28.70	ND	1.5300	ND	ND	626.0	ND	ND	ND	15.70	ND	34.40	0.5010	ND	ND	ND	13.90	ND	ND	69.10	0.0630	0.1230	ND	ND	1.32
MW - 9	02/02/2000	WATER	ND	ND	ND	ND	ND	138.0	ND	ND	ND	ND	ND	18.30	ND	ND	ND	ND	7.780	ND	ND	100.0	ND	0.0270	ND	ND	1.02
MW - 10	02/02/2000	WATER	ND	ND	ND	ND	ND	279.0	ND	ND	ND	2.180	ND	22.30	ND	ND	ND	ND	6.640	ND	ND	82.50	ND	0.0400	ND	ND	1.20
MW - 11	02/02/2000	WATER	ND	ND	ND	ND	ND	712.0	ND	ND	ND	2.190	ND	27.50	0.4900	ND	ND	ND	8.230	ND	ND	152.0	0.0580	0.0460	ND	ND	1.25
MW - 13	02/02/2000	WATER	ND	ND	ND	ND	ND	430.0	ND	ND	ND	2.970	ND	26.90	ND	ND	ND	ND	7.140	ND	ND	89.10	0.0540	0.0350	ND	ND	1.26
MW - 14	02/03/2000	WATER	55.70	ND	1.3400	ND	0.0140	2540.0	0.1200	0.2180	ND	33.30	0.0530	73.50	16.40	ND	ND	0.2150	32.80	ND	ND	155.0	0.1240	0.3060	ND	ND	2.30
MW - 15	02/03/2000	WATER	11.90	ND	1.0900	ND	ND	2020.0	0.0610	ND	ND	6.330	ND	38.50	0.5620	ND	ND	ND	12.50	ND	ND	169.0	0.0910	0.0810	ND	ND	1.70
MW - 17	02/17/2000	WATER	9.770	0.0070	0.2180	ND	0.0030	436.0	0.0180	ND	0.0110	4.650	0.009	31.98	0.2620	ND	ND	0.0160	9.850	0.0100	ND	132.0	ND	0.0700	0.0430	0.319	1.68
MW - 18	02/17/2000	WATER	7.240	0.0080	0.3100	ND	0.0040	704.8	0.0170	ND	0.0160	1.540	0.007	32.16	0.7480	ND	ND	0.0180	10.10	0.0100	ND	147.0	ND	0.0600	0.0340	0.365	1.99
MW - 19	02/17/2000	WATER	19.70	0.0100	0.3180	ND	0.0040	652.8	0.0340	ND	0.0170	12.13	0.012	28.40	0.3990	ND	ND	0.0240	12.45	0.0090	ND	68.36	0.0540	0.1390	0.0510	0.167	1.58
MW - 20	06/09/2000	WATER	42.8	0.0150	0.4450	0.0040	0.0040	439.0	0.0650	0.0220	0.0400	29.00	0.0210	64.00	0.4700	0.003	ND	0.0360	18.90	ND	ND	106.0	ND	0.1650	0.1010	0.234	1.40
MW - 21	06/09/2000	WATER	8.40	ND	0.2690	ND	0.0020	184.0	0.0150	ND	0.0110	5.810	ND	26.00	0.2700	ND	ND	0.0150	6.520	ND	ND	72.50	ND	0.0500	0.0230	0.162	1.02
MW - 22	02/17/2000	WATER	8.450	0.0060	0.2930	ND	0.0030	254.0	0.0220	ND	ND	5.630	0.0050	27.50	0.0770	ND	ND	0.0140	8.59	0.0080	ND	107.0	ND	0.1010	ND	0.299	1.18
MW - 24	02/17/2000	WATER	11.33	0.0090	0.2760	ND	0.0030	337.0	0.0210	ND	0.0100	4.680	0.0040	22.37	0.1460	ND	ND	0.0160	8.44	0.0060	ND	75.79	ND	0.0590	0.0600	0.017	1.09
MW - 25	02/17/2000	WATER	7.540	0.0060	0.2000	ND	0.0030	392.0	0.0210	ND	ND	4.660	0.0030	21.60	0.4830	ND	ND	0.0170	7.44	0.0070	ND	67.4	ND	0.0610	ND	0.161	1.06
MW - 26	06/09/2000	WATER	0.914	ND	0.0950	ND	ND	194.0	ND	ND	ND	0.546	ND	32.00	0.0810	0.003	ND	ND	7.28	ND	ND	161	ND	0.0310	0.0230	0.254	1.27
MW - 27	06/09/2000	WATER	19.500	0.0070	0.5360	ND	0.0020	489.0	0.0330	ND	0.0130	10.60	0.0100	35.00	0.4390	ND	ND	0.0250	12.40	ND	ND	143.00	ND	0.0930	0.0350	0.300	1.47
MW - 29	07/13/200	WATER	85.500	0.0300	1.4600	ND	ND	146.0	0.1110	0.0320	0.0260	46.80	0.0120	122.00	0.8960	ND	ND	0.0600	38.80	0.0100	ND	299.0	0.0530	0.2480	0.2450	0.599	4.13
MW - 30	07/13/2000	WATER	7.650	0.0050	0.2360	ND	ND	178.0	0.0080	ND	ND	3.380	0.0060	24.30	0.0890	ND	ND	0.0110	7.00	ND	ND	104.0	ND	0.0310	0.0400	0.248	1.21

ADDITIONAL GROUND WATER CHEMISTRY

EOTT ENERGY CORPORATION
BOB DURHAM
MONUMENT, NEW MEXICO
EGTI Project # EOT 2044C

All water concentrations are in mg/L

SAMPLE LOCATION	SAMPLE DATE	SAMPLE TYPE	EPA SW846-6010B, 7470																								
			Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Tin	Vanadium	Zinc	Boron	Strontium
MW - 31	07/31/2000	WATER	1.180	ND	0.4020	ND	ND	160.0	ND	ND	ND	1.050	ND	36.00	0.0900	ND	ND	ND	10.70	ND	ND	111.0	ND	ND	ND	0.274	1.64
MW - 32	07/13/2000	WATER	18.200	0.0140	0.3830	ND	ND	224.0	0.0130	ND	ND	9.120	0.0100	31.80	0.6140	ND	ND	0.0210	11.10	ND	ND	83.20	ND	0.0460	0.0420	0.202	1.36
MW - 33	07/13/2000	WATER	36.600	0.0120	0.5010	ND	ND	409.0	0.0350	ND	0.0100	19.200	0.0150	40.90	0.6120	ND	ND	0.0023	15.50	ND	ND	140.0	ND	0.0960	0.0520	0.354	1.56
MW - 34	07/13/2000	WATER	9.660	0.0070	0.1510	ND	ND	246.0	0.0110	ND	ND	6.550	0.0040	34.50	0.1980	ND	ND	0.0120	10.70	0.0060	0.0060	158.0	ND	0.0370	0.0750	0.390	1.42
MW - 35	07/13/2000	WATER	19.700	0.0160	0.4470	ND	ND	858.0	0.0290	ND	0.0180	11.300	0.0800	42.30	0.3680	ND	ND	0.0140	10.10	ND	ND	111.0	ND	0.0880	0.0470	0.266	1.99
MW - 36	07/13/2000	WATER	13.200	0.0130	0.3180	ND	ND	1010.0	0.0190	ND	ND	8.230	ND	34.30	0.4330	0.003	ND	0.0130	9.73	ND	ND	110.0	ND	0.0720	0.0340	0.255	1.67

FIGURES

APPENDICES

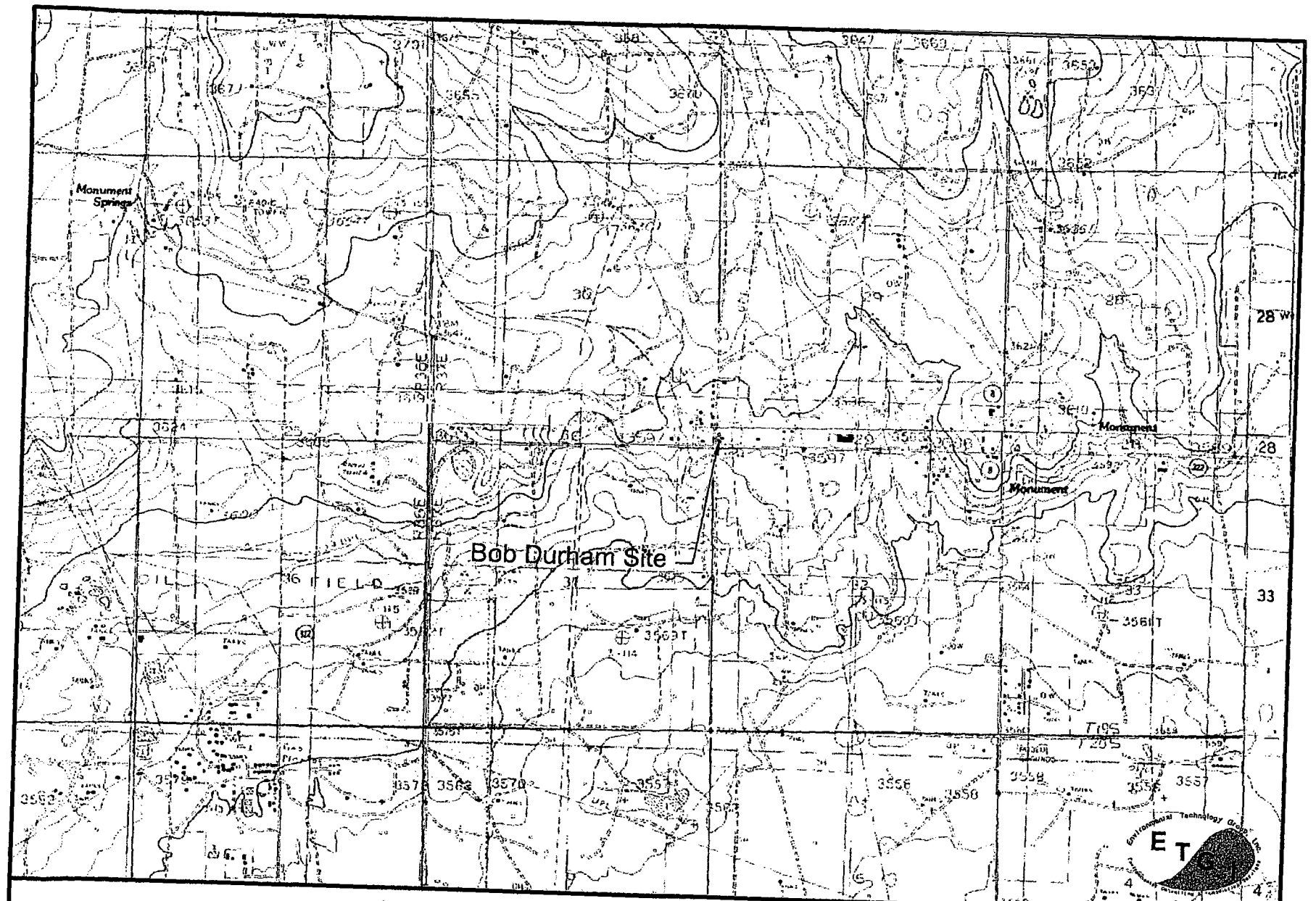
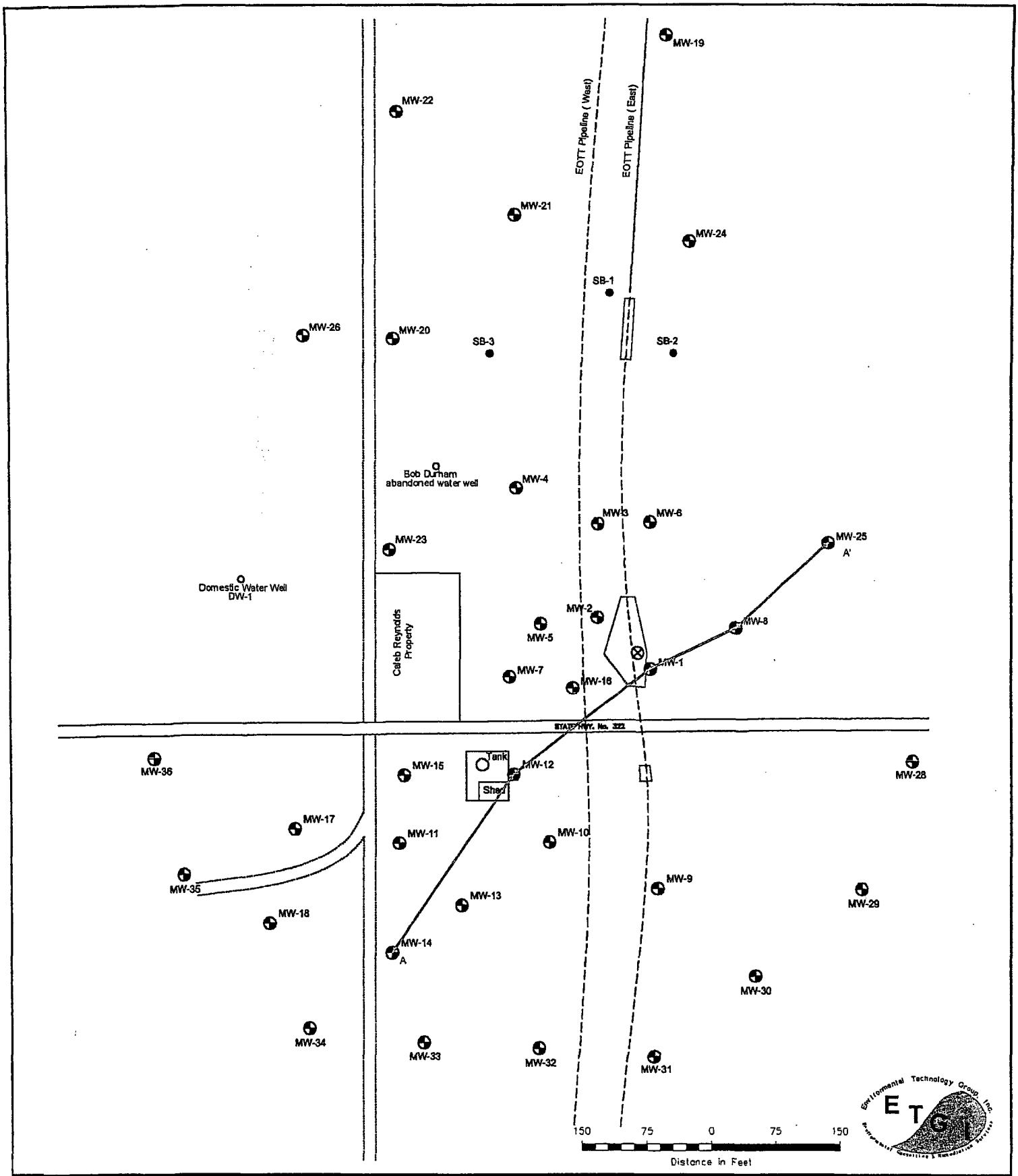


Figure 1
Site Location Map

EOTT Energy Corp.
Bob Durham
Lea County, NM

Environmental Technology Group, INC.

NW1/4 NW1/4 Sec 32 T18S R37E	Lat. 32° 37' 27" Long. 103° 16' 53"
Drawn By: JDJ	Prep. By: RE
January 23, 2002	ETGI Poject #: EOT2044C



LEGEND:

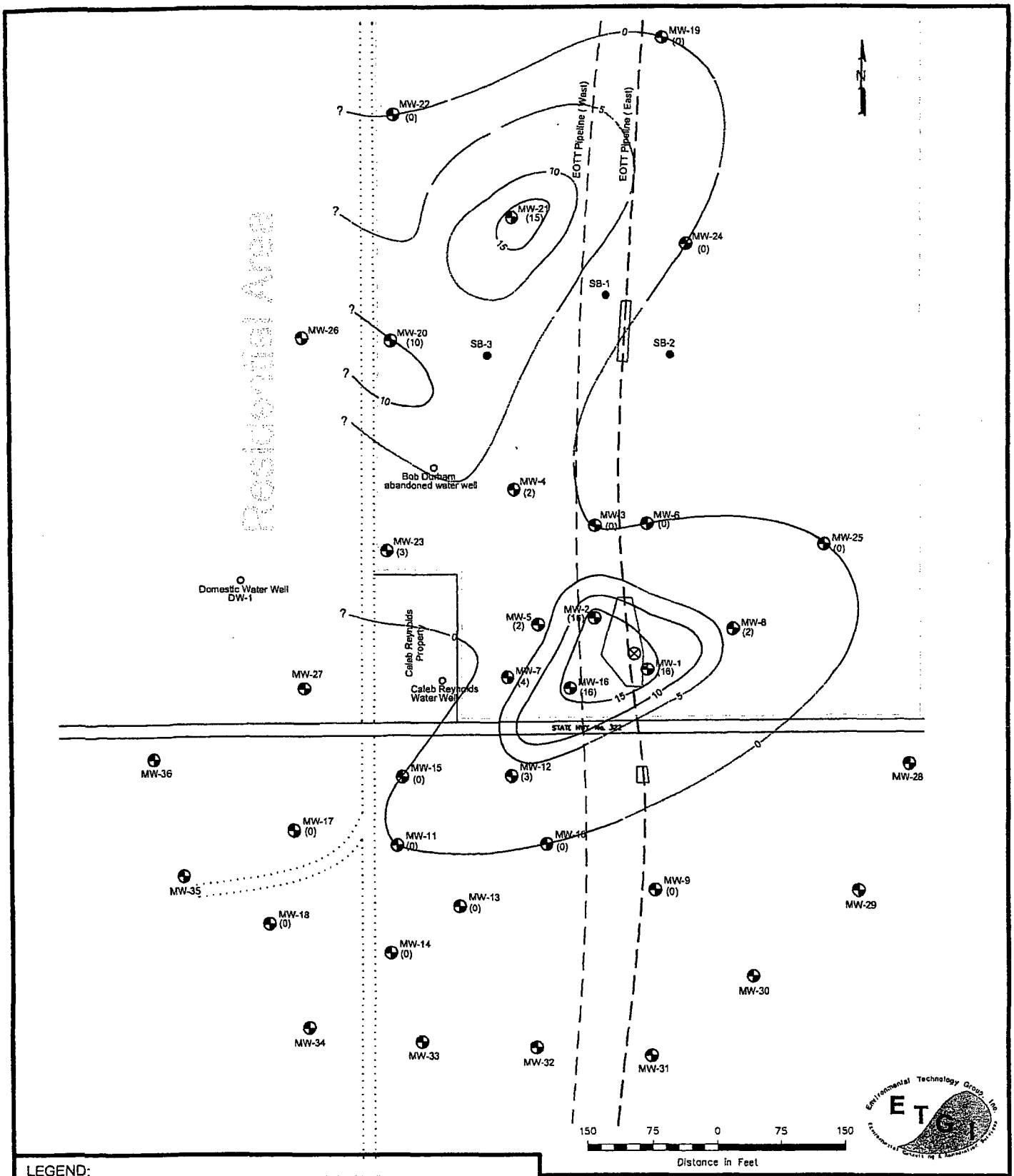
- ETGI Proposed Monitoring Well Locations
- ETGI Monitoring Well Locations
- Release Point
- Soil Boring Locations
- Excavation Areas
- Bob Durham Property Line
- Dirt Road

Figure 2
Site Map

EOTT Energy Corp.
Bob Durham
Lea County, NM

Environmental Technology Group, INC.

NW1/4 NW1/4 Sec 32 T19S R37E		Lat. 32° 37' 27" Long. 103° 16' 53"
Scale: 1" = 150'	Drawn By: JDJ	Prep. By: RE
January 23, 2002	ETGI Project #: EOT2044C	



LEGEND:

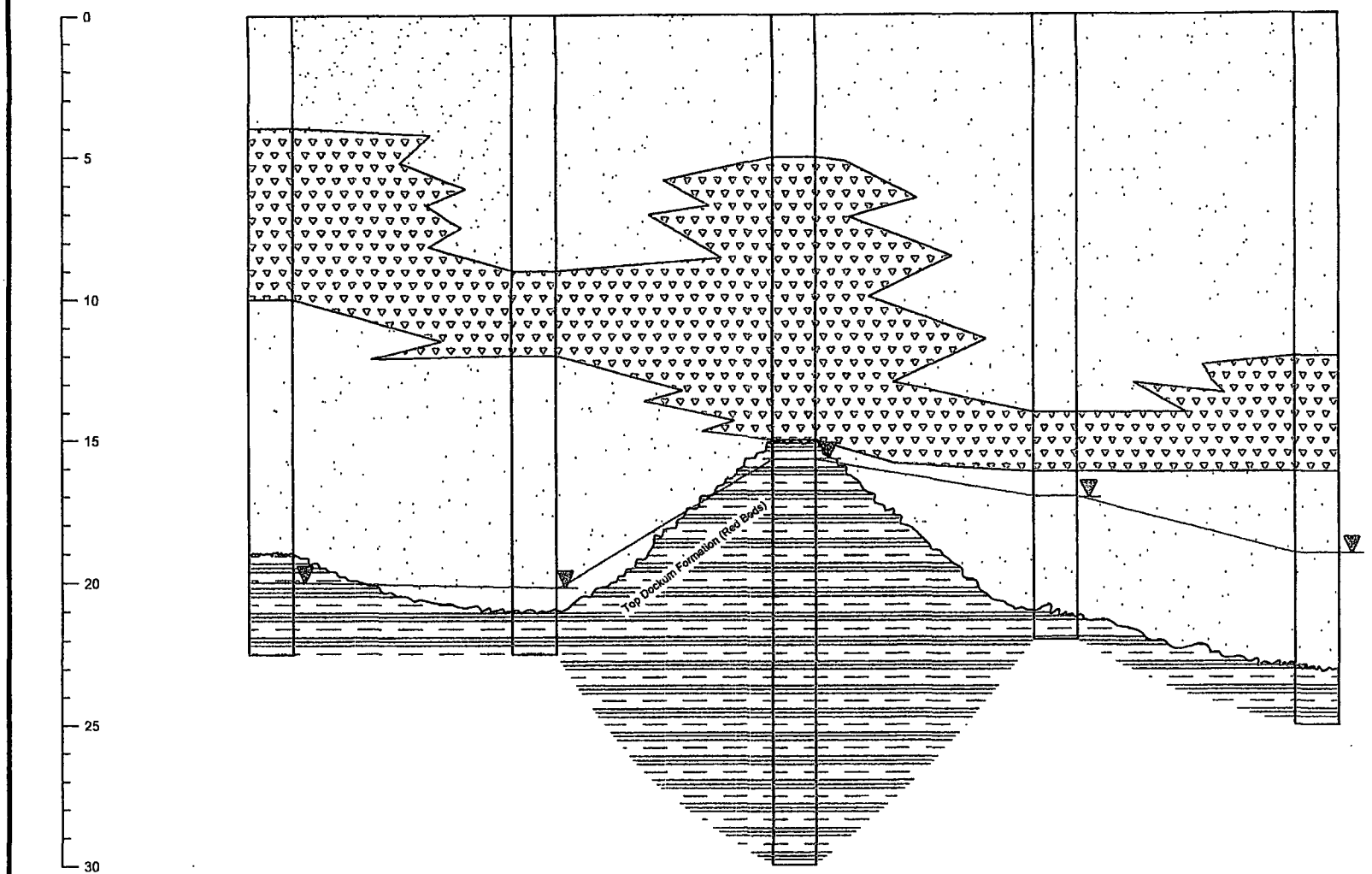
- ETGI Proposed Monitoring Well Locations
- ETGI Monitoring Well Locations
- Release Point
- EOTT Pipeline
- Soil Boring Locations
- Excavation Areas
- Dirt Road
- Bob Durham Property Line

Figure 3
Ispach-Thickness of Impacted Soil in the Unsaturated Zone

EOTT Energy Corp.
Bob Durham
Lea County, NM

Environmental Technology Group, INC.

Scale: 1" = 150'	Prep By: RS	Checked By: JT
March 3, 2001	ETGI Poject #: EOT2044C	



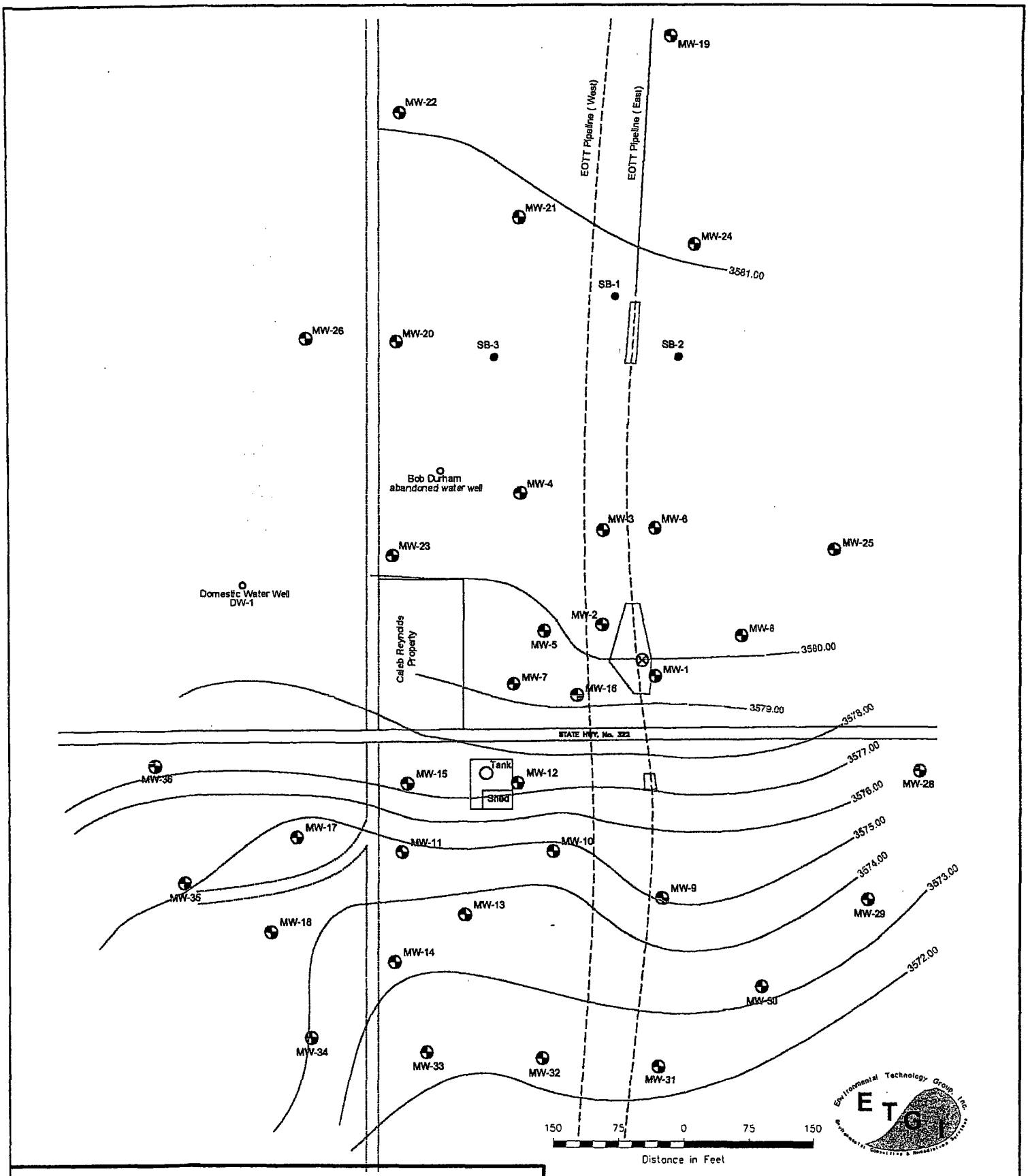
Legend

- Sand
- Caliche
- Red Clay
- Top of Ground Water

Figure 4
Cross - Section
A - A'
EOTT Energy Corp.
Bob Duram
Lea County, N.M.

Environmental Technology Group, INC.

Scale: USE SCALE	Prep By: RS	Checked By: JT
March 3, 2001	ETGI Project # EOT2044C	



LEGEND:

- ETGI Monitoring Well Locations
- Release Point
- EOTT Pipeline
- Soil Boring Locations
- Bob Durham Property Line
- Dirt Road
- Excavation Areas
- 1.00 Foot Groundwater Contours
- (2435) Ground Water Data in Feet

Figure 5
Inferred Ground Water Gradient Map 2/16/00

EOTT Energy Corp.
Bob Durham
Lea County, NM

Environmental Technology Group, INC.

Scale: 1" = 150'	Prep By: RS	Checked By: JT
March 3, 2001	ETGI Project #: EOT2044C	

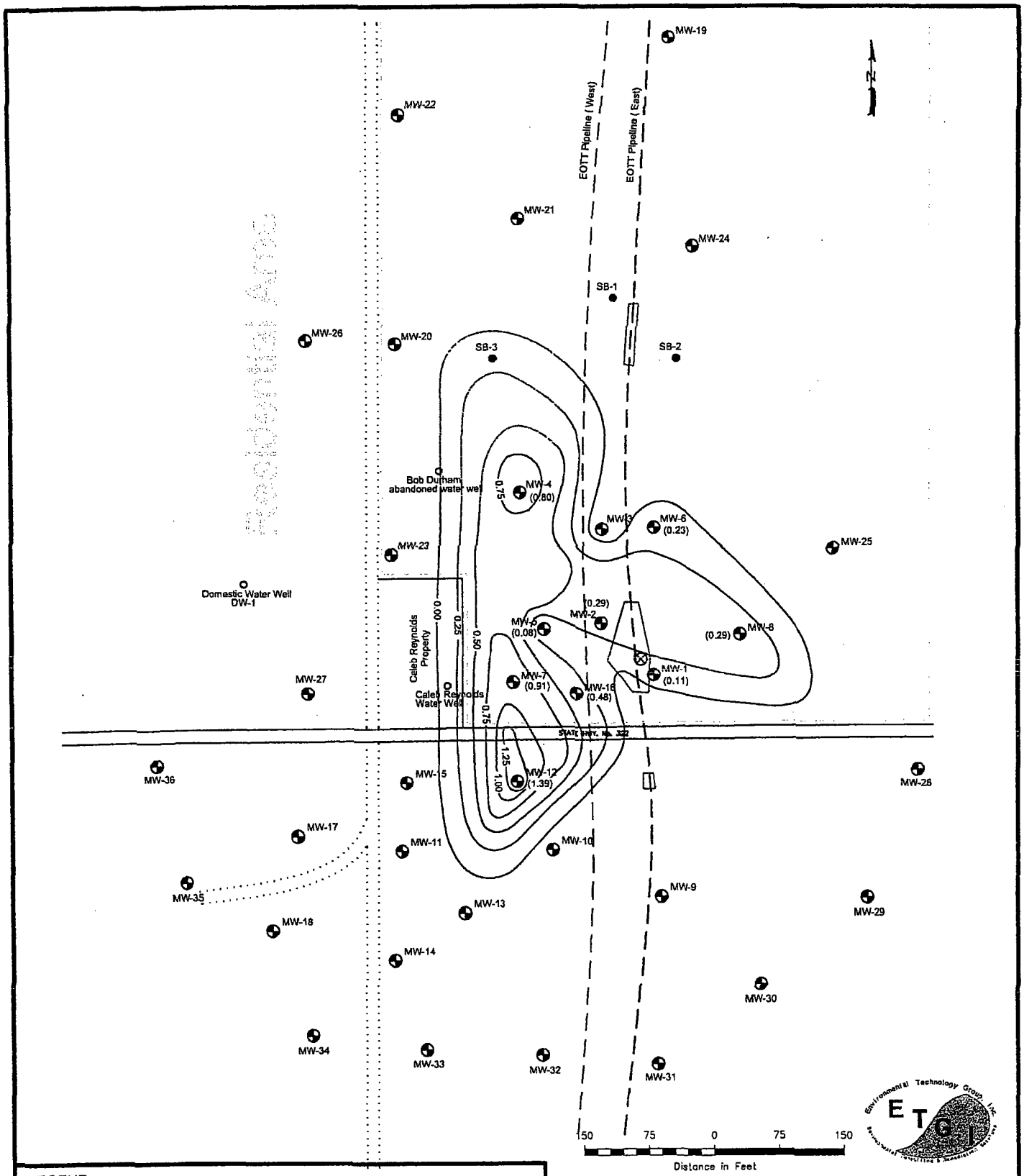


Figure 6
Isopach PSH Thickness

EOTT Energy Corp.
Bob Durham
Lea County, NM

Environmental Technology Group, INC.

Scale: 1" = 150'	Prep By: RS	Checked By: JT
March 3, 2001	ETGI Poject #: EOT2044C	

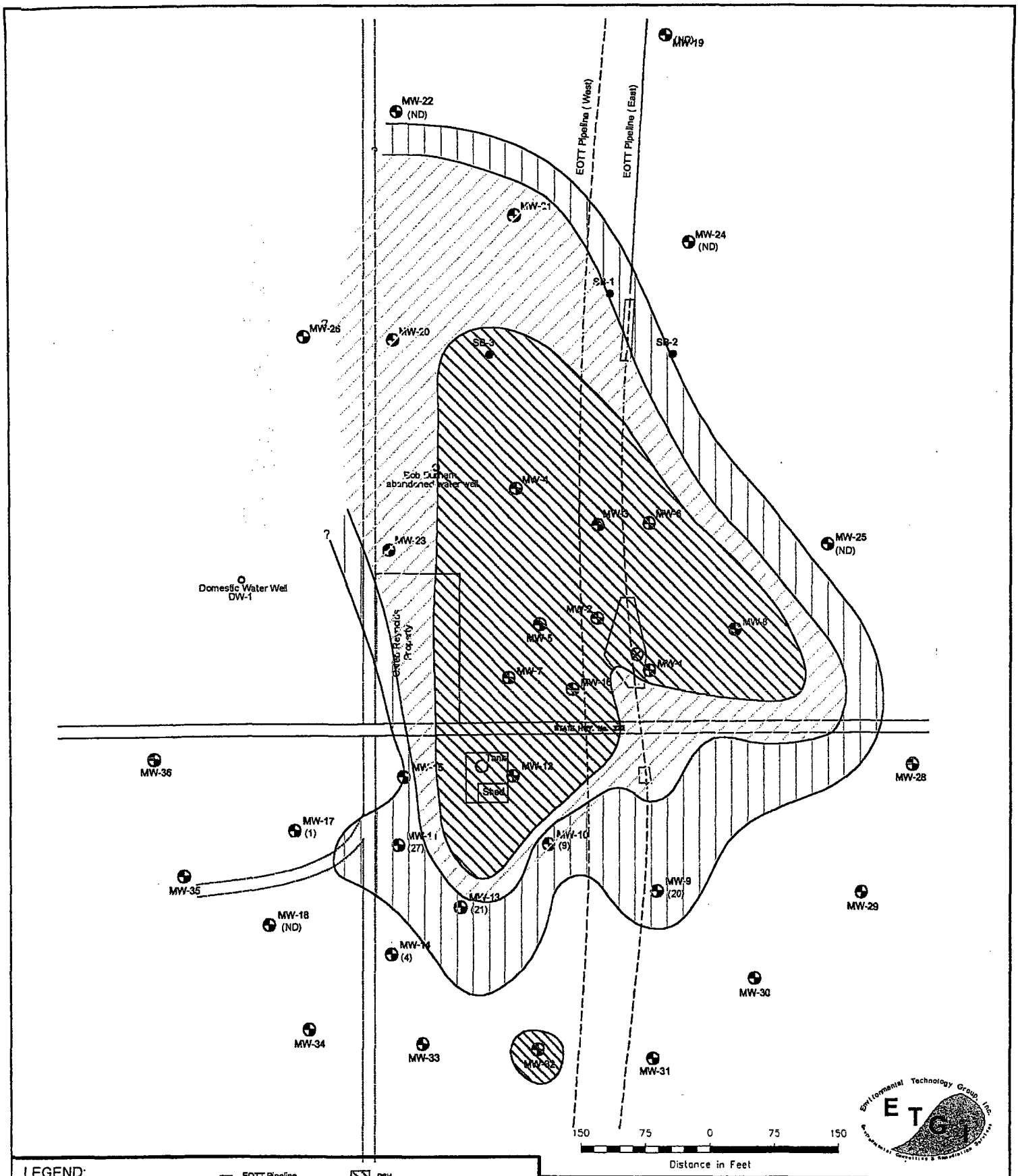


Figure 7
Distribution of Petroleum Phase on the Ground Water

EOTT Energy Corp.
Bob Durham
Lea County, NM

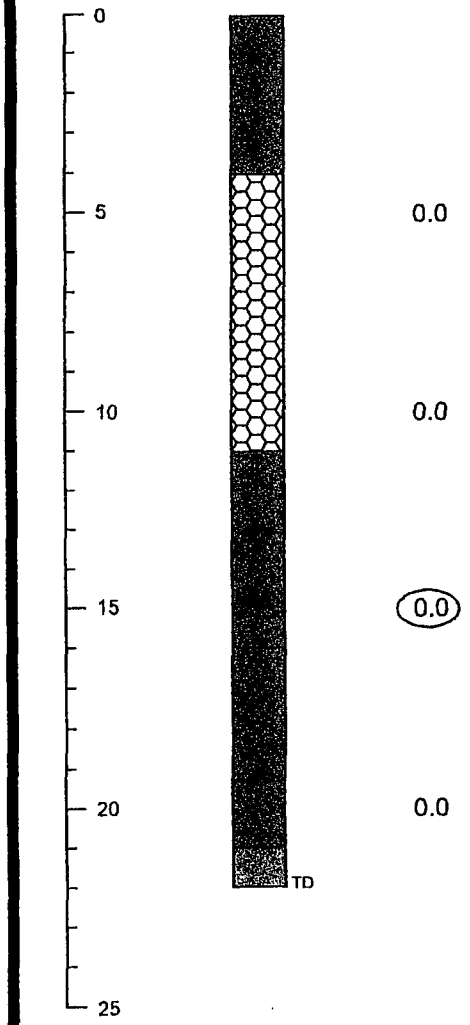
Environmental Technology Group, INC.

Scale: 1" = 150'	Prep By: RS	Checked By: JT
March 3, 2001	ETGI Project #: EOT2044C	

APPENDIX A

SOIL BORING LOGS

Soil Boring SB - 1



Legend

- Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, slight stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 01 / 28 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

Soil Boring SB - 1

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
January 7, 2000	ETGI Project # EOT 1044C	

Soil Boring SB - 2

Depth (feet)	Soil Columns	PID Reading	Notes
0			
5		0.0	
10		0.0	
15		(0.0)	
20		0.0	
25	TD	0.0	

Legend

- Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, slight stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 02 / 09 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

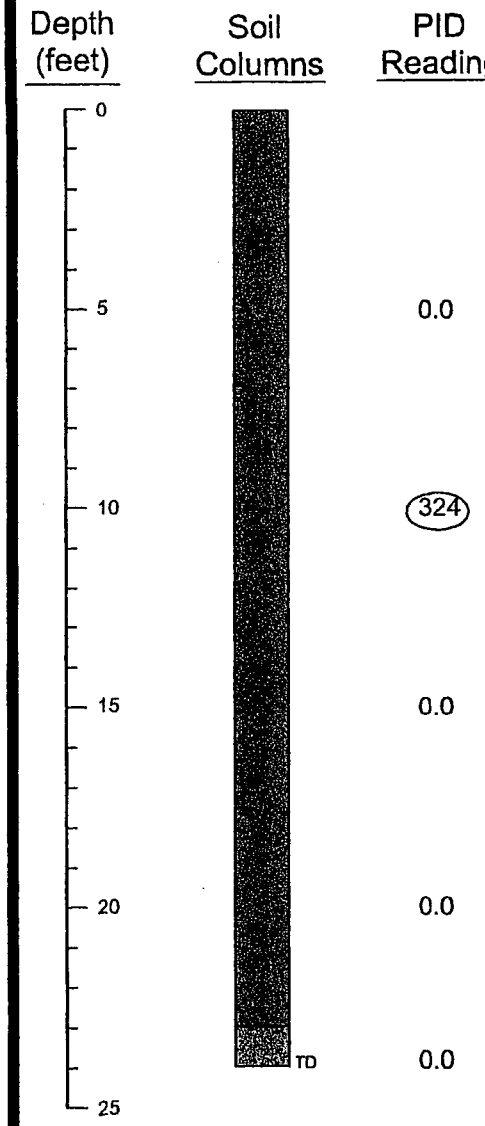
Soil Boring SB - 2

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
FEBRUARY 23, 2000	ETGI Project # EOT 1044C	

Soil Boring SB - 3



Legend

- Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, slight stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 02 / 09 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

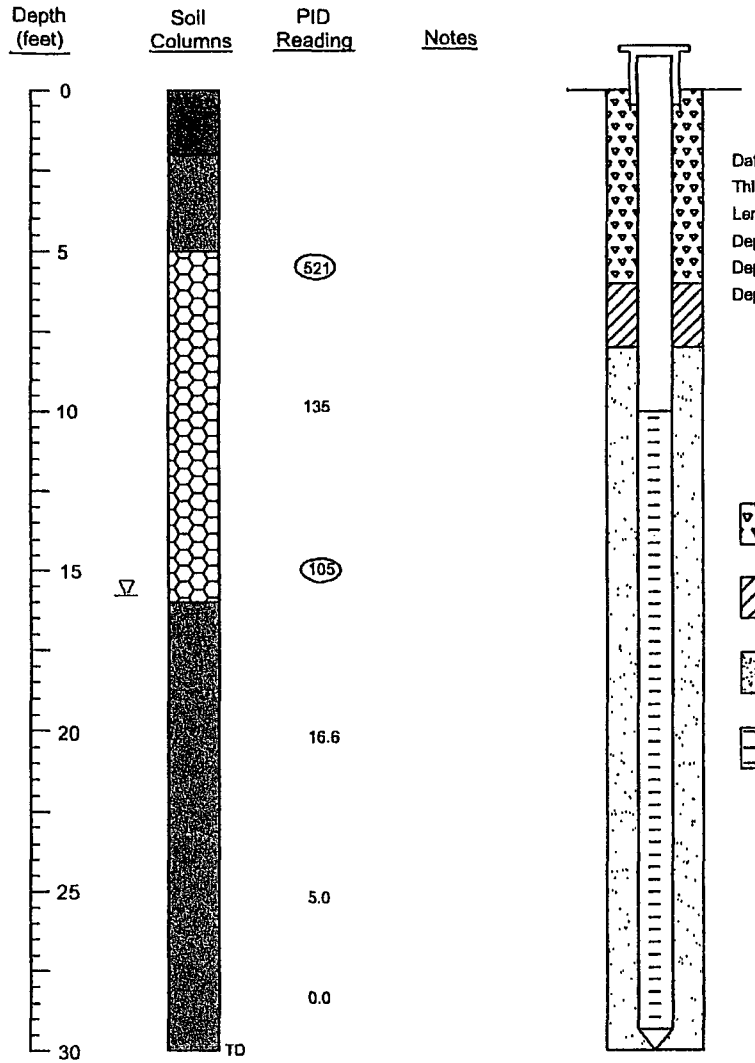
Soil Boring SB - 3

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
fEBRUARY 23, 2000	ETGI Project # EOT 1044C	

Monitoring Well MW - 1



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	20 ft
Depth of PVC Well	30 ft
Depth of Exploratory Well	30 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

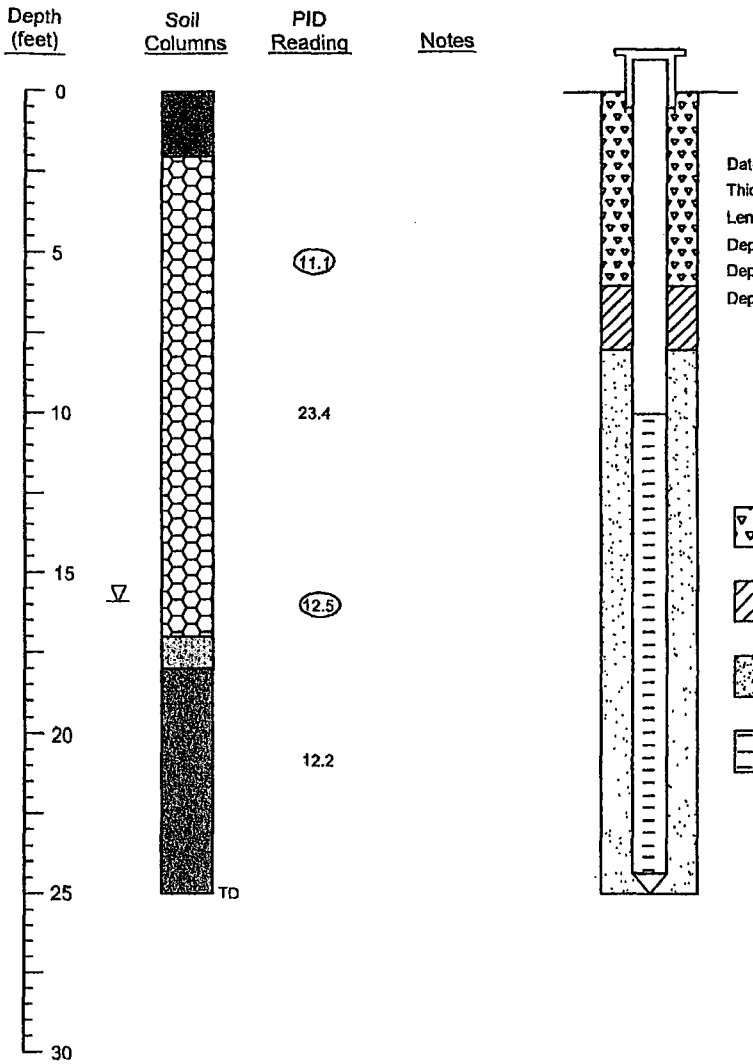
Monitoring Well - 1

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 2



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

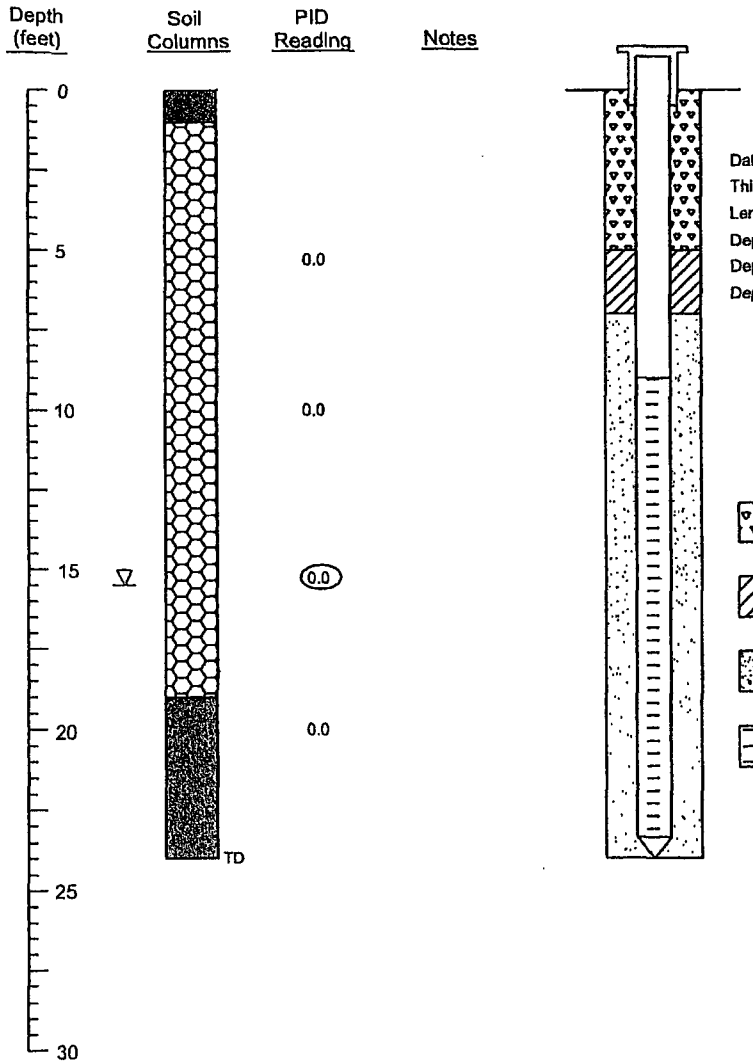
Monitoring Well - 2

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT 2044C	

Monitoring Well MW - 3



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	24 ft
Depth of Exploratory Well	24 ft
Depth to Ground Water	17 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

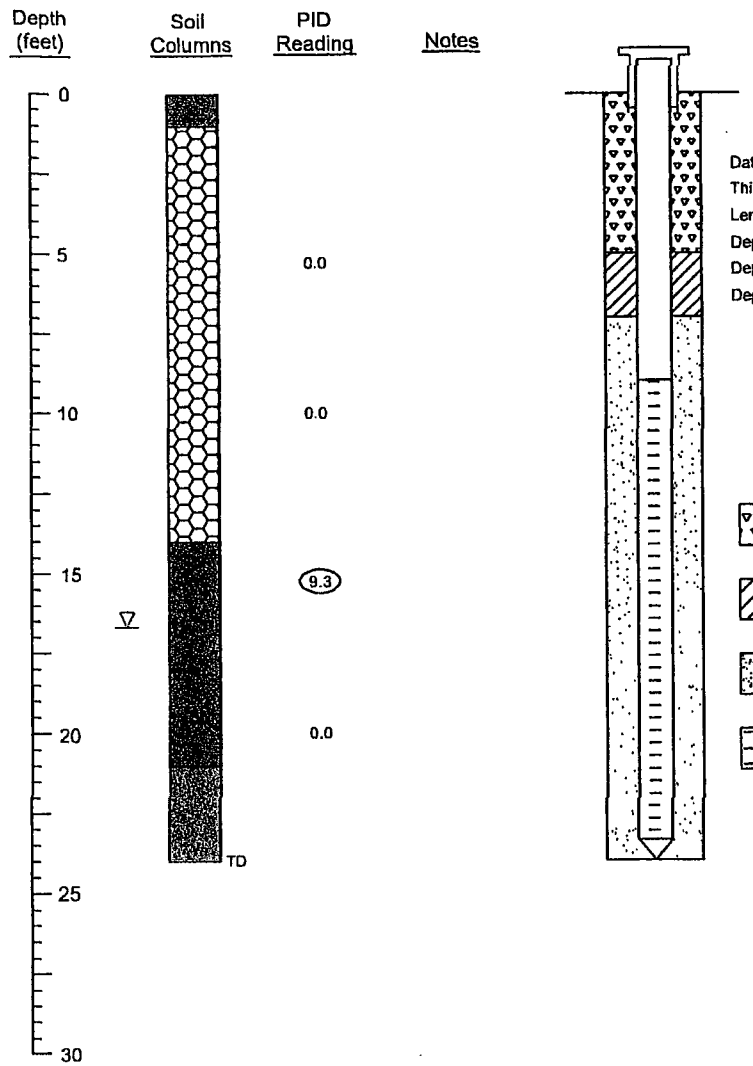
Monitoring Well - 3

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 4



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	24 ft
Depth of Exploratory Well	24 ft
Depth to Ground Water	15 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. *The monitoring well was installed on date using air rotary drilling* techniques.
2. The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

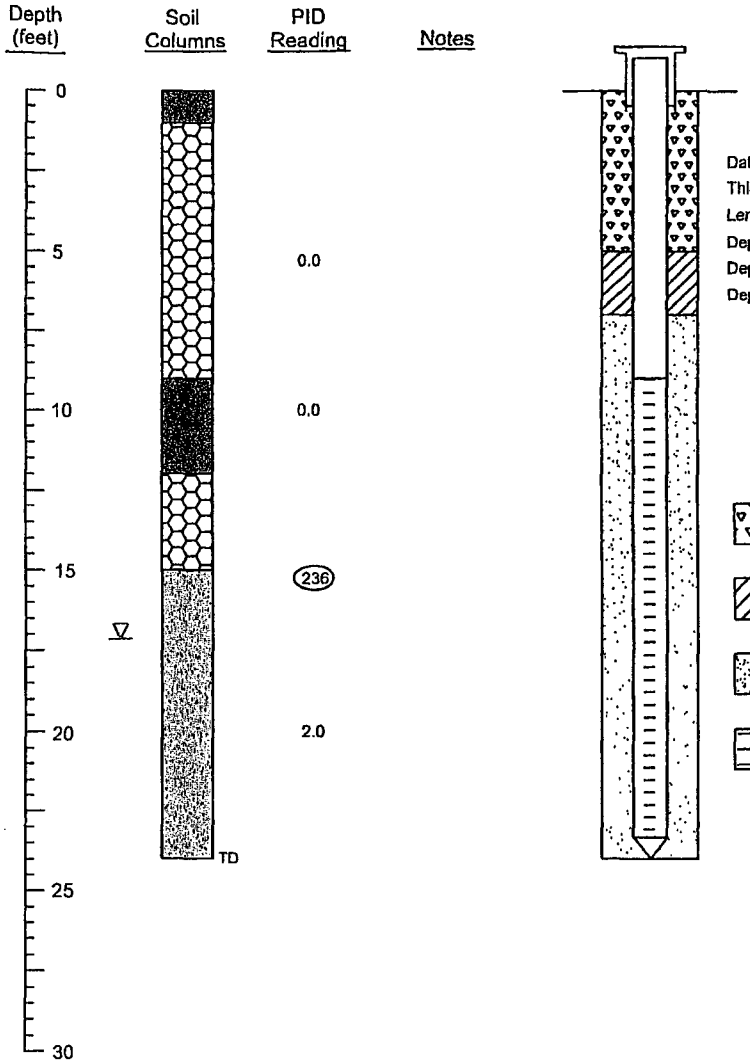
Monitoring Well - 4

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 5



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	24 ft
Depth of Exploratory Well	24 ft
Depth to Ground Water	15 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID *Head-space reading in ppm obtained with a photo-ionization detector.*

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. *The well is protected with a locked stick up steel cover and a compression cap.*
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. *The depths indicated are referenced from the ground surface.*

Boring Log And Monitoring Well Details

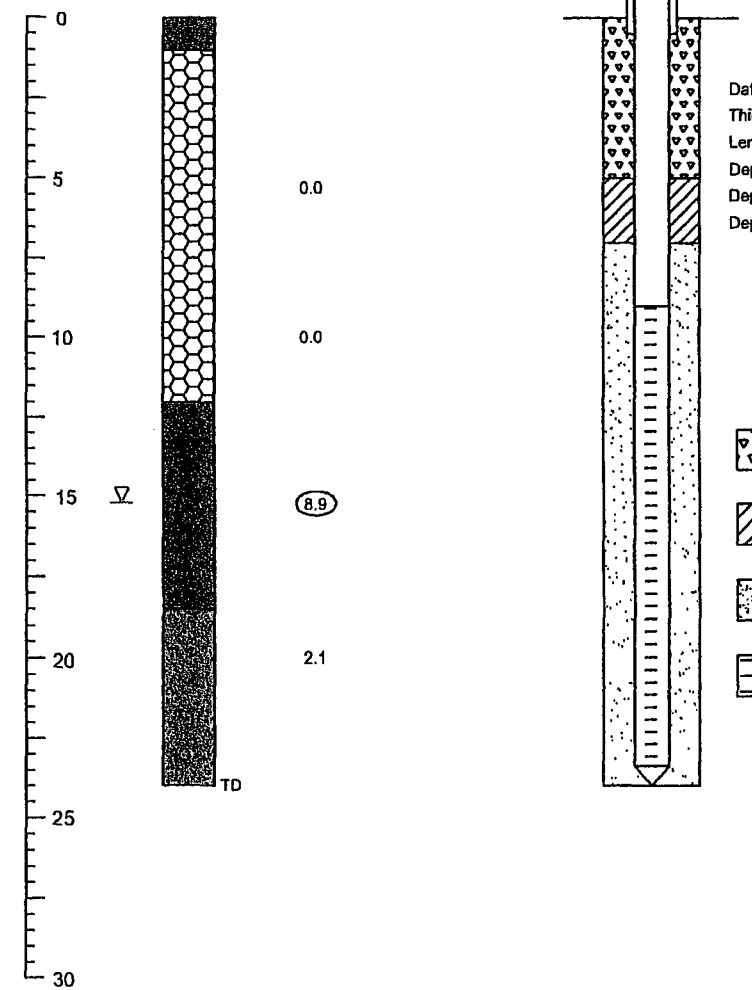
Monitoring Well - 5

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 6



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	24 ft
Depth of Exploratory Well	24 ft
Depth to Ground Water	15 ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

Legend

- Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.
- Sand - (SP) - Brown, slight odor, slight stain.
- Sand - (SP) - Brown, strong to moderate odor, moderate stain.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)
- Caliche - White, hard, interbedded with sand.
- Indicates samples selected for laboratory analysis.
- Indicates the PSH level measured on date.
- Indicates the ground water level measured on date.
- PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between meterial types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

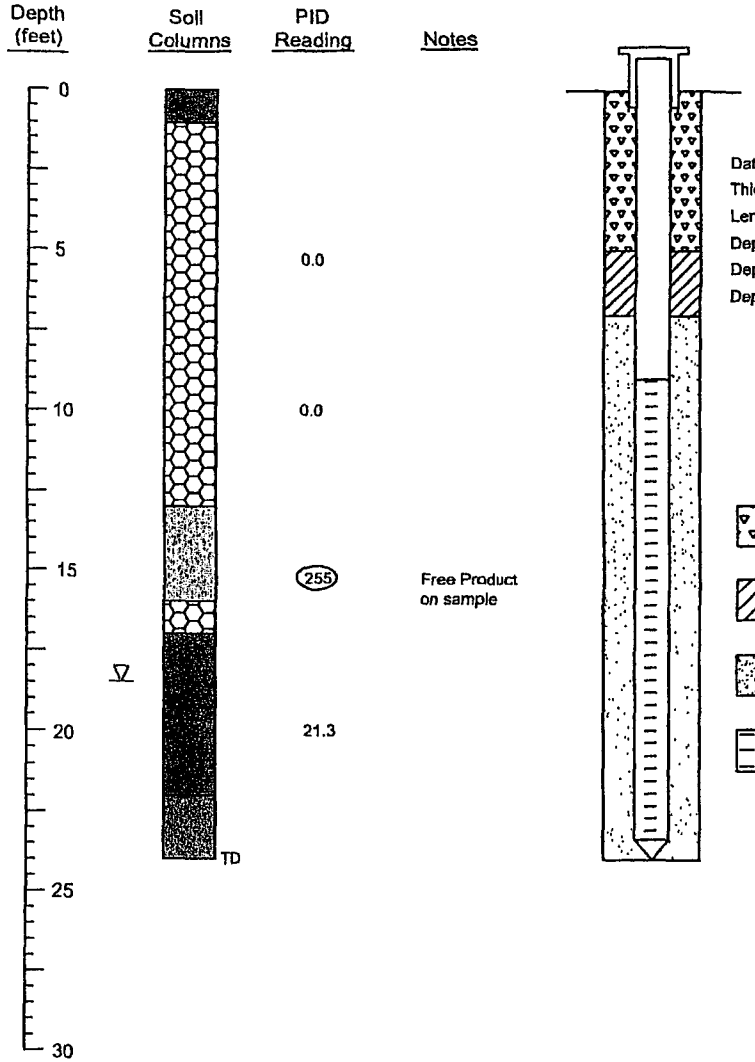
Monitoring Well - 6

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 7



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	24 ft
Depth of Exploratory Well	24 ft
Depth to Ground Water	15 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

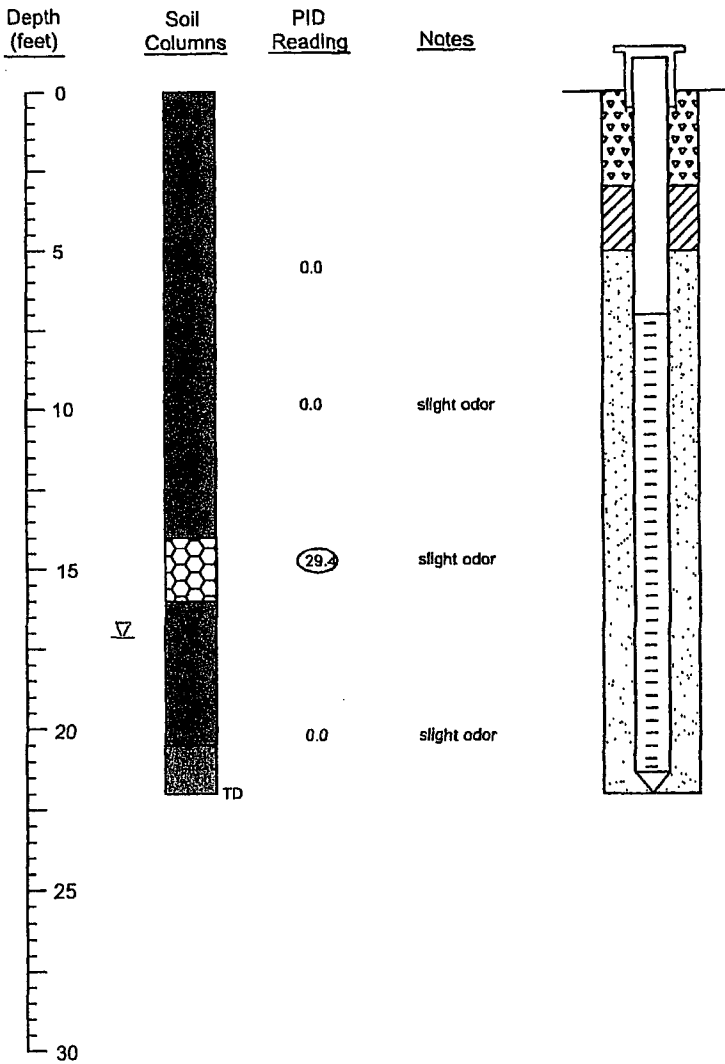
Monitoring Well - 7

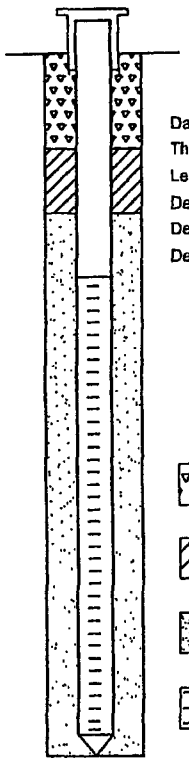
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 8





Monitoring Well Details

Date Drilled	01 - 26 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22 ft
Depth of Exploratory Well	22 ft
Depth to Ground Water	18 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

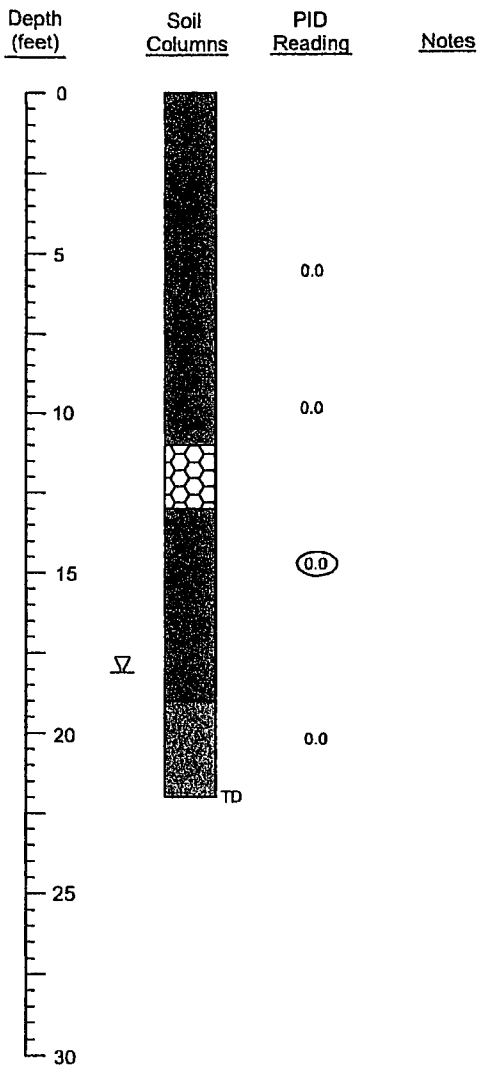
Monitoring Well - 8

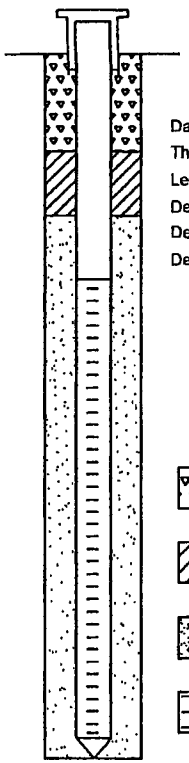
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 14, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 9





Monitoring Well Details

Date Drilled	01 - 26 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22 ft
Depth of Exploratory Well	22 ft
Depth to Ground Water	17.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

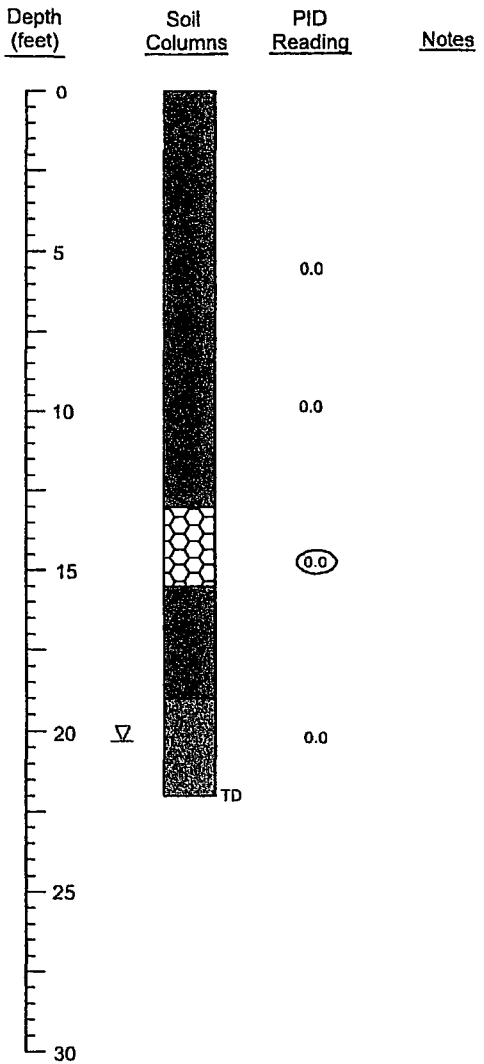
Monitoring Well - 9

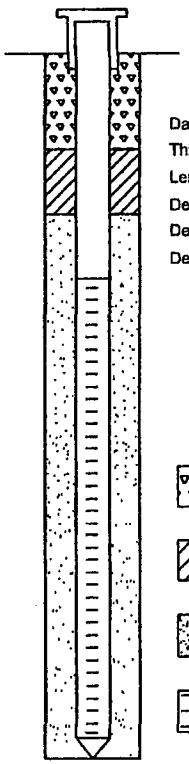
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 10





Monitoring Well Details

Date Drilled	01 - 26 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22 ft
Depth of Exploratory Well	22 ft
Depth to Ground Water	17 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

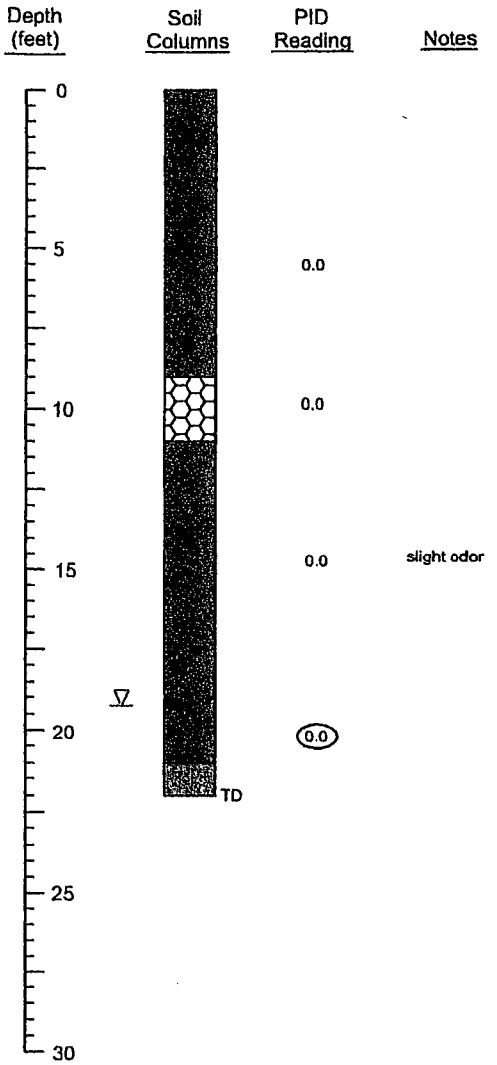
Monitoring Well - 10

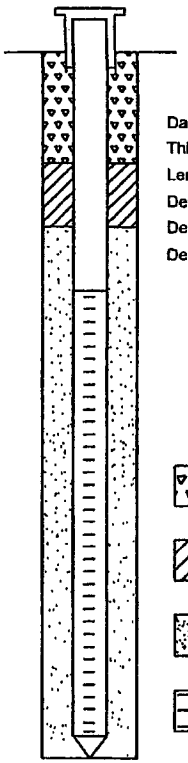
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 11





Monitoring Well Details

Date Drilled	01 - 27 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22.5 ft
Depth of Exploratory Well	22.5 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

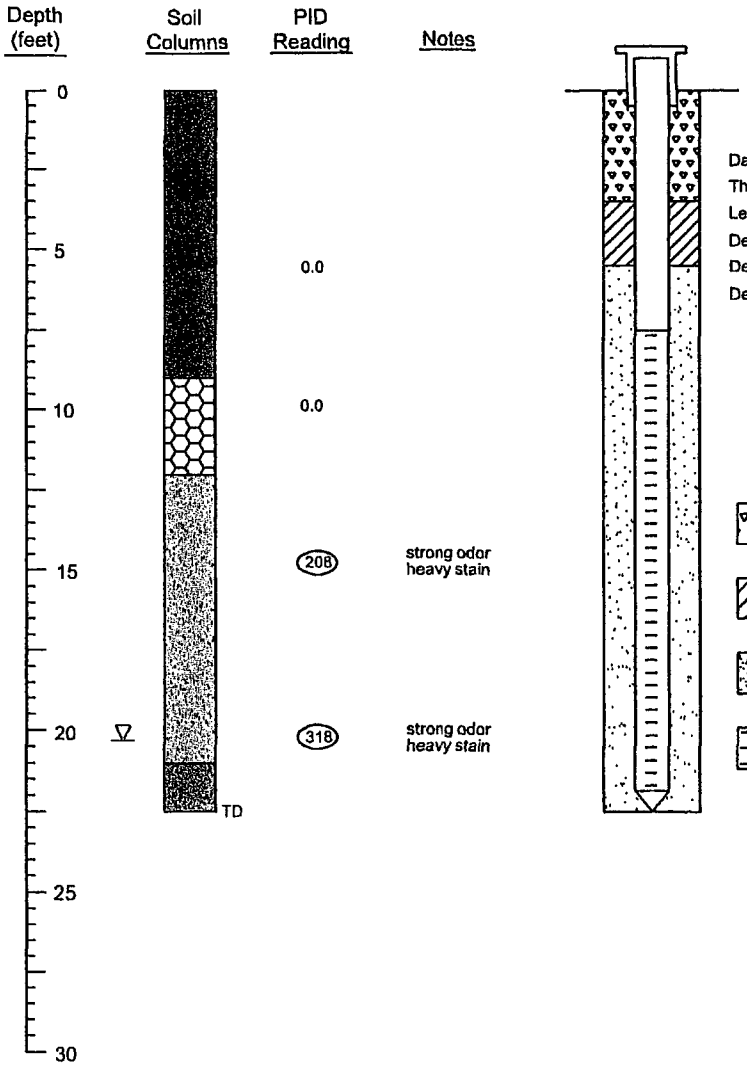
Monitoring Well - 11

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 12



Monitoring Well Details

Date Drilled	01 - 27 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22.5 ft
Depth of Exploratory Well	22.5 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. *The lines between material types shown on the profile log represent approximate* boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

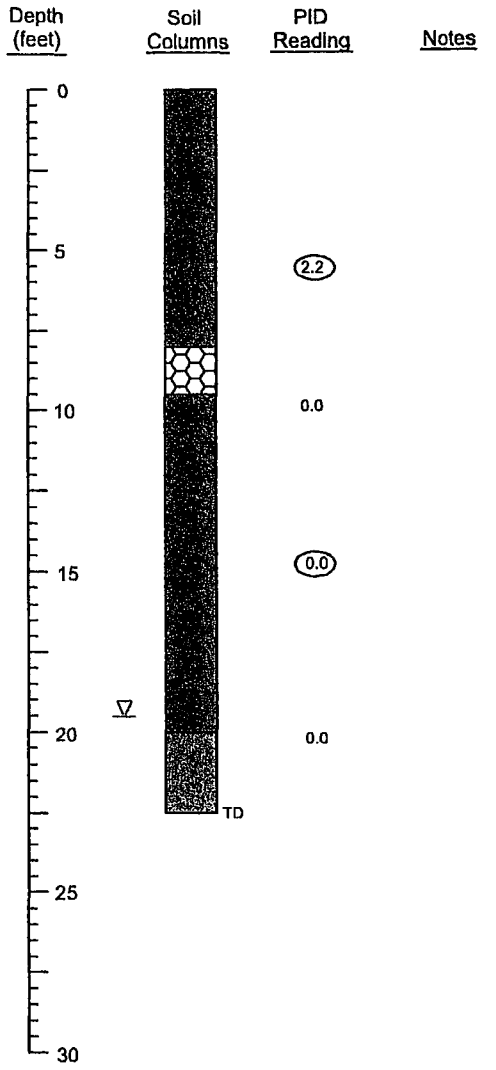
Monitoring Well - 12

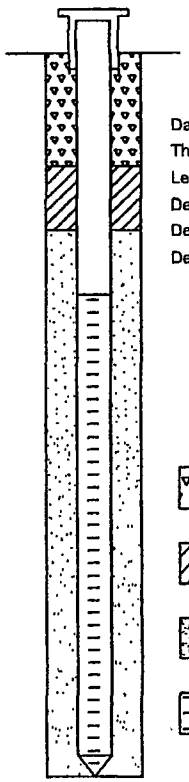
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 13





Monitoring Well Details

Date Drilled	01 - 27 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22.5 ft
Depth of Exploratory Well	22.5 ft
Depth to Ground Water	17.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, *slight odor, moderate stain.*

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

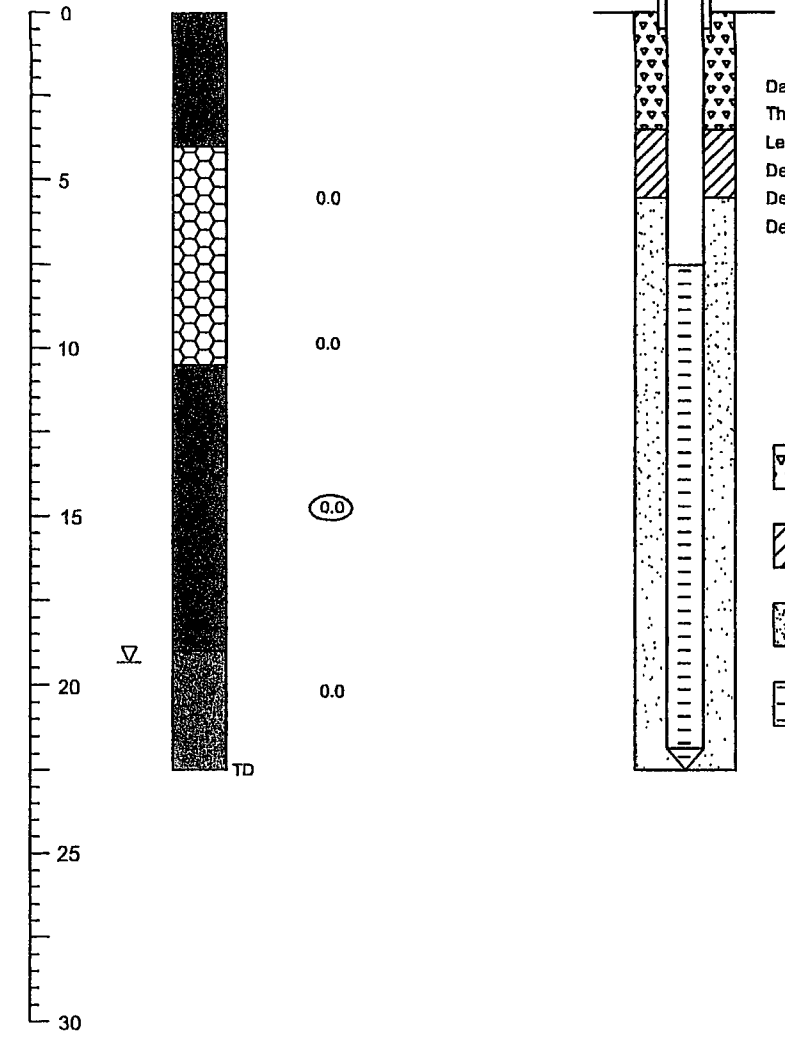
Monitoring Well - 13

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 14



Monitoring Well Details

Date Drilled	01 - 27 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22.5 ft
Depth of Exploratory Well	22.5 ft
Depth to Ground Water	15.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Callche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

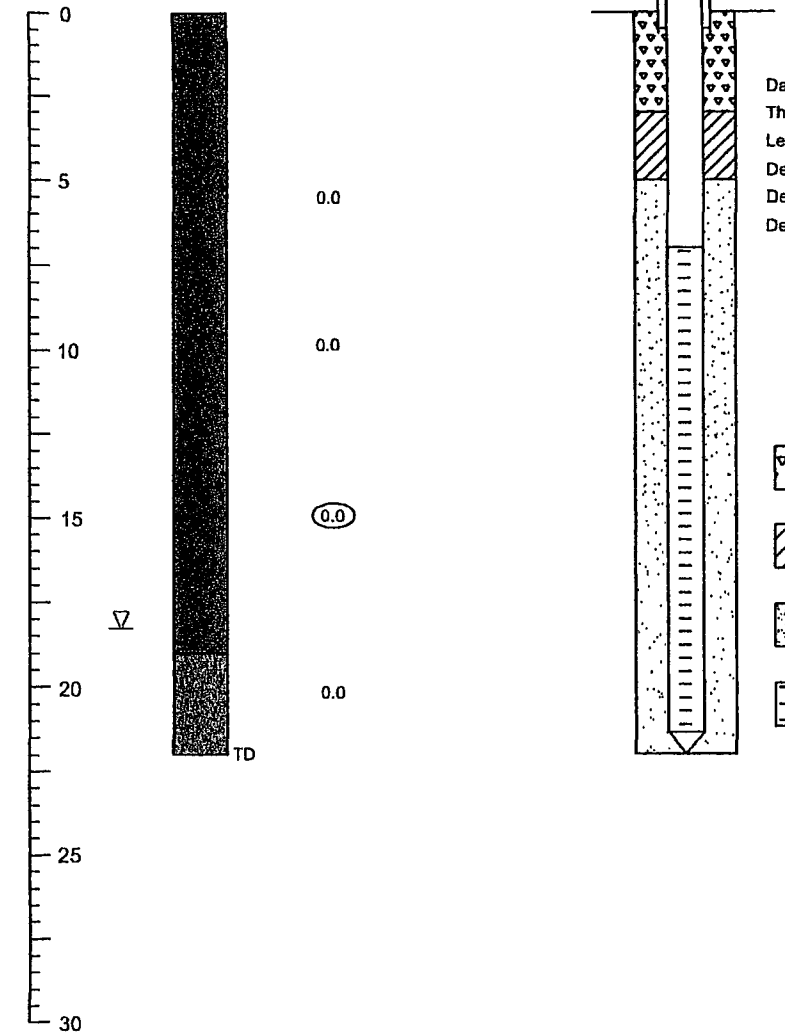
Monitoring Well - 14

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 15



Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	20 ft
Depth of PVC Well	30 ft
Depth of Exploratory Well	30 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

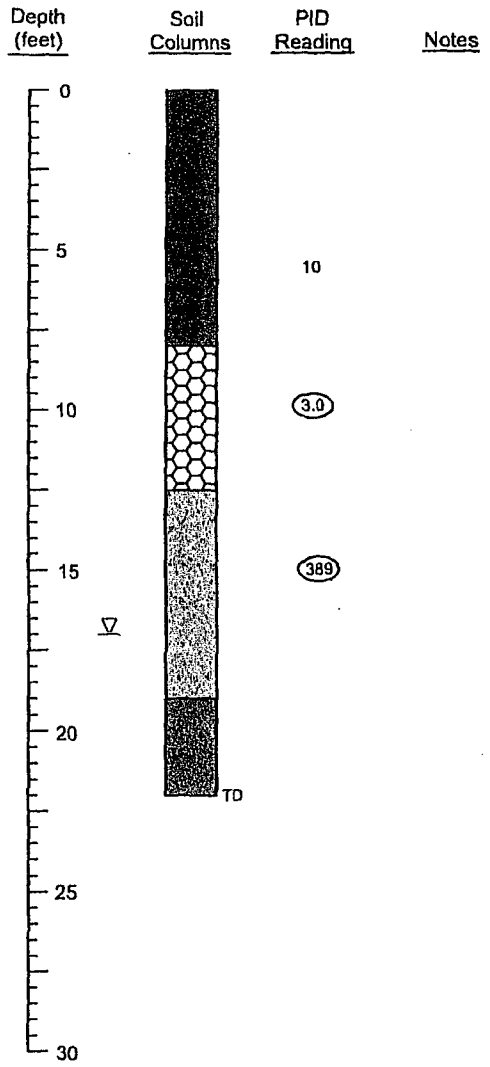
Monitoring Well - 15

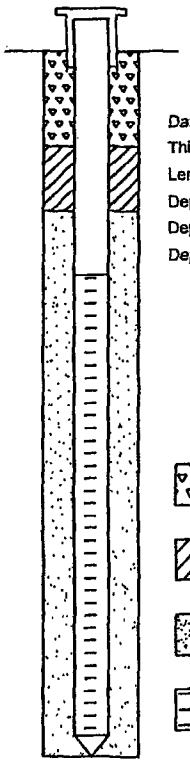
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
March 17, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 16





Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	20 ft
Depth of PVC Well	30 ft
Depth of Exploratory Well	30 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

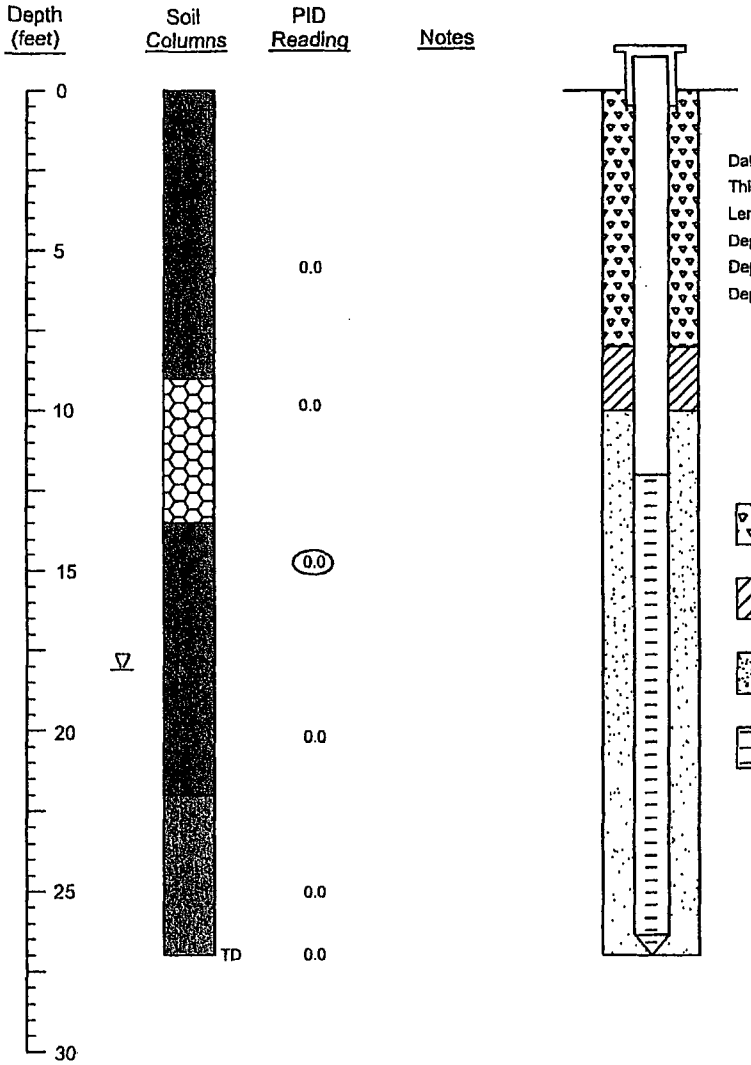
Monitoring Well - 16

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
March 17, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 17



Monitoring Well Details

Date Drilled	02 - 07 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	27 ft
Depth of Exploratory Well	27 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, Interbedded with sand.

Indicates samples selected for *laboratory analysis.*

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

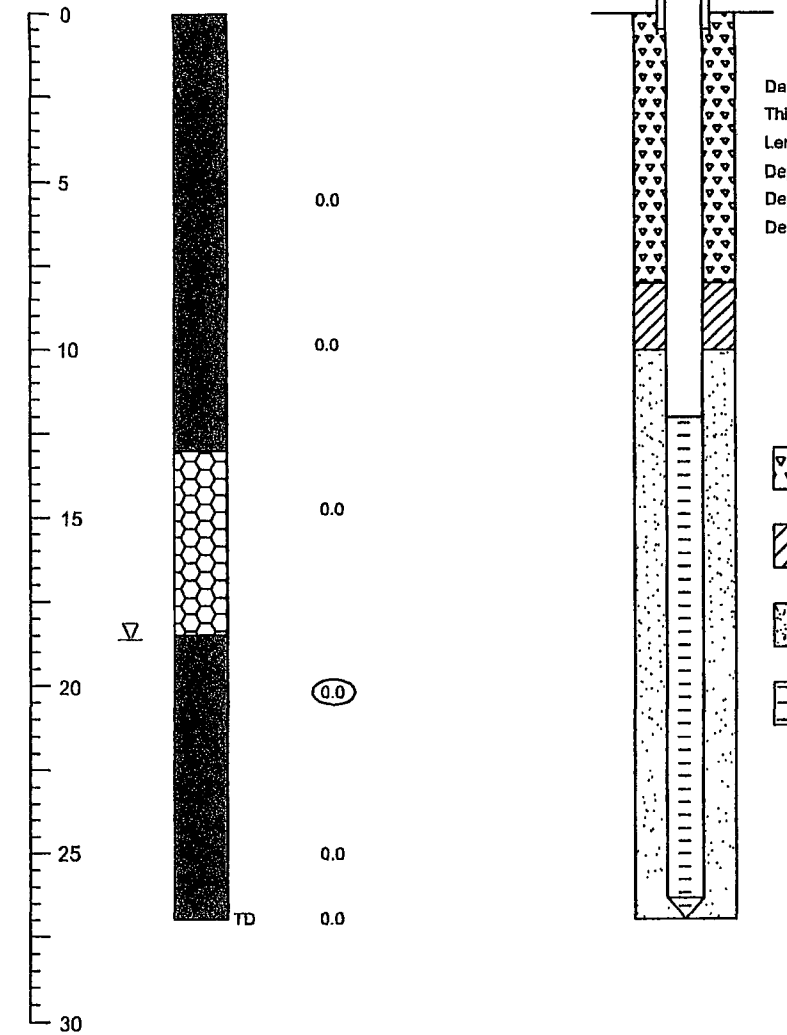
Monitoring Well - 17

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 18



Monitoring Well Details

Date Drilled	02 - 07 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	27 ft
Depth of Exploratory Well	27 ft
Depth to Ground Water	20 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

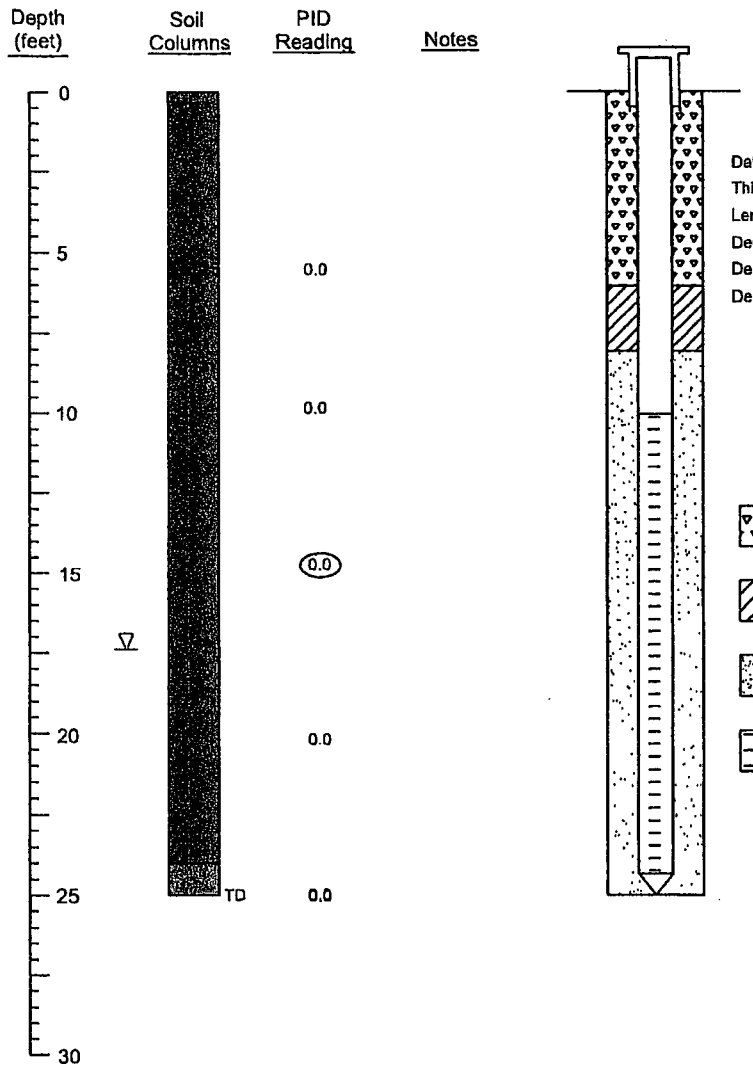
Monitoring Well - 18

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 19



Monitoring Well Details

Date Drilled	02 - 09 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	18 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

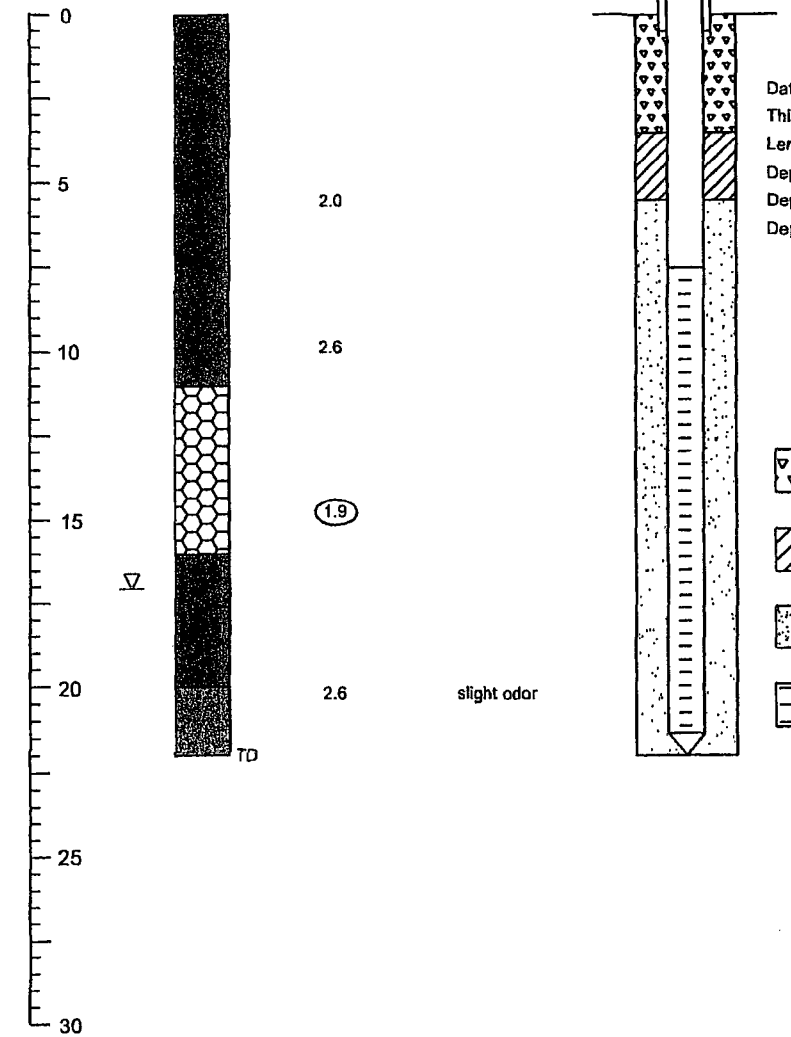
Monitoring Well - 19

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 20



Monitoring Well Details

Date Drilled	02 - 09 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22.5 ft
Depth of Exploratory Well	22.5 ft
Depth to Ground Water	17 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

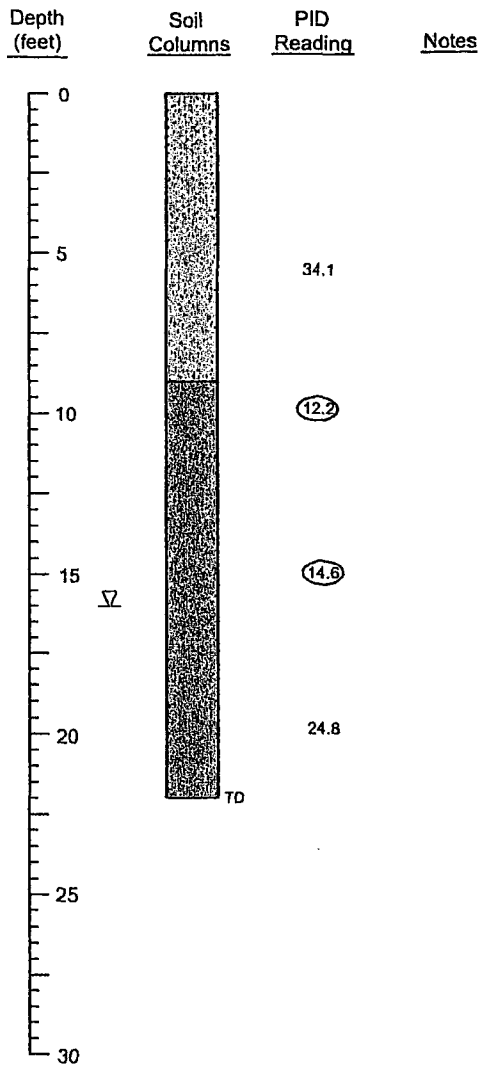
Monitoring Well - 20

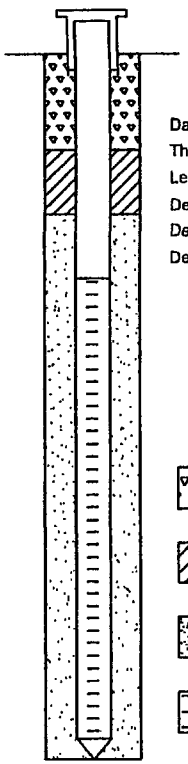
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 21





Monitoring Well Details

Date Drilled	01 - 25 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	20 ft
Depth of PVC Well	30 ft
Depth of Exploratory Well	30 ft
Depth to Ground Water	16 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grain, well sorted, dry, no stain, no odor.

Sand - (SP) - Brown, slight odor, slight stain.

Sand - (SP) - Brown, strong to moderate odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red Bed - Triassic Dockum Group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

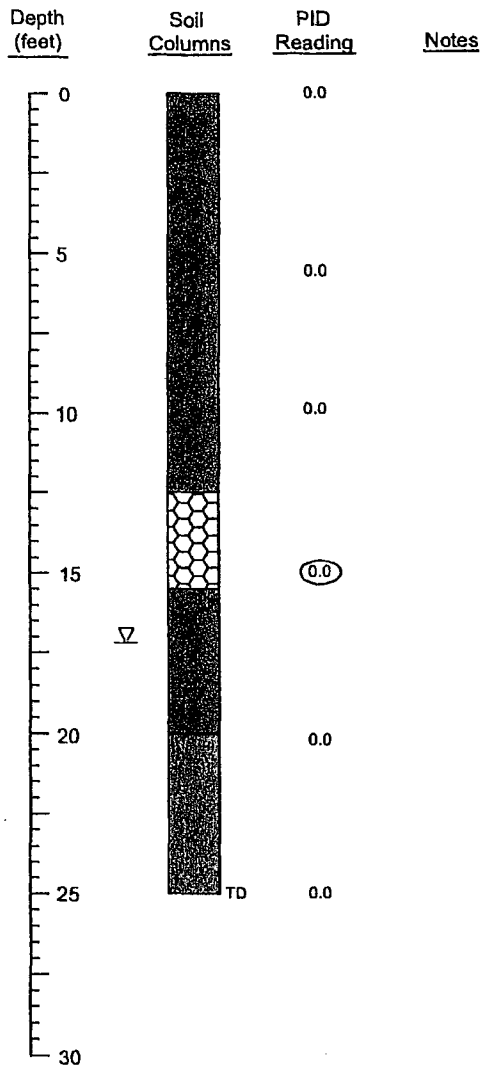
Monitoring Well - 21

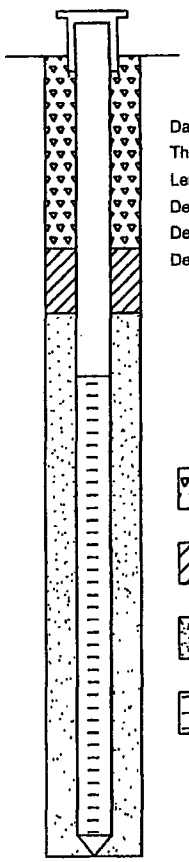
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
March 17, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 22





Monitoring Well Details

Date Drilled	02 - 10 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	20 ft
Depth of Exploratory Well	20 ft
Depth to Ground Water	18.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

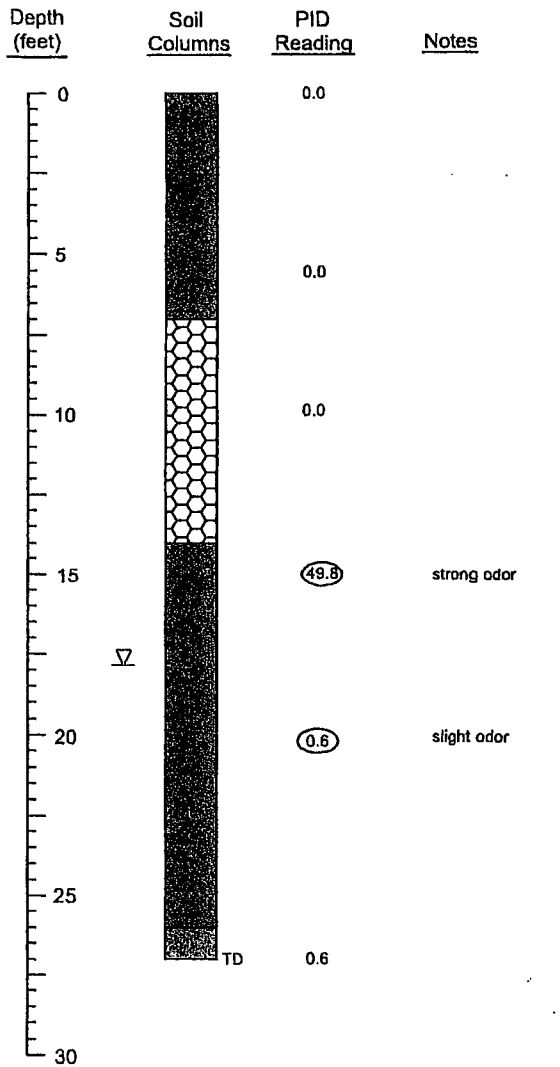
Monitoring Well - 22

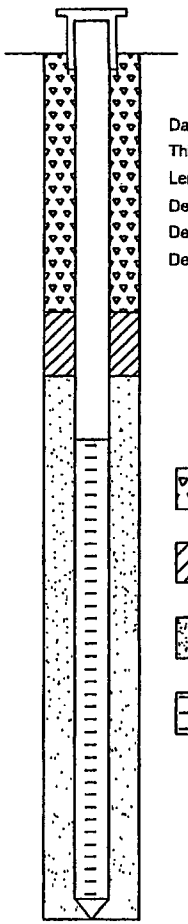
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 23





Monitoring Well Details

Date Drilled	02 - 10 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	27 ft
Depth of Exploratory Well	27 ft
Depth to Ground Water	19 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

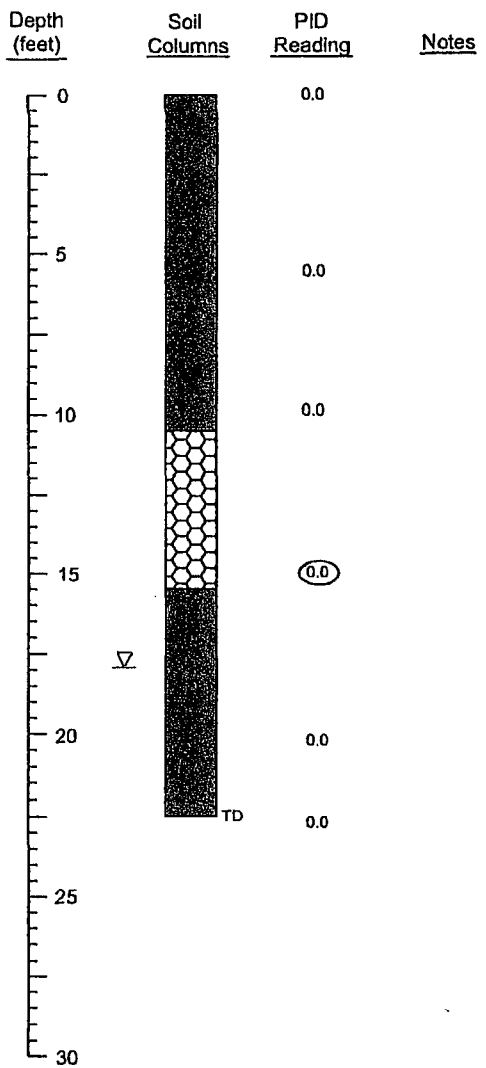
Monitoring Well - 23

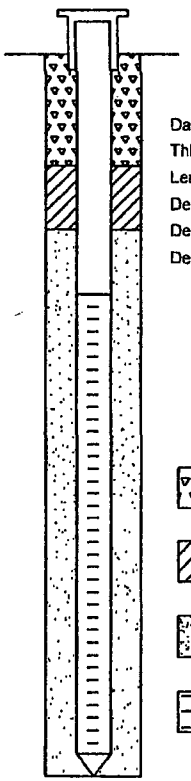
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 24





Monitoring Well Details

Date Drilled	02 - 10 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	22.5 ft
Depth of Exploratory Well	22.5 ft
Depth to Ground Water	18 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.

Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

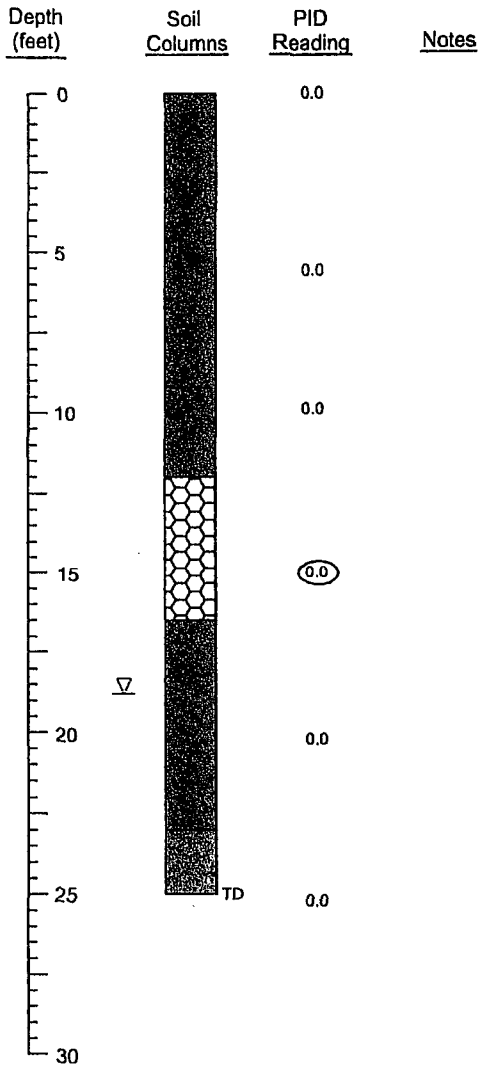
Monitoring Well - 24

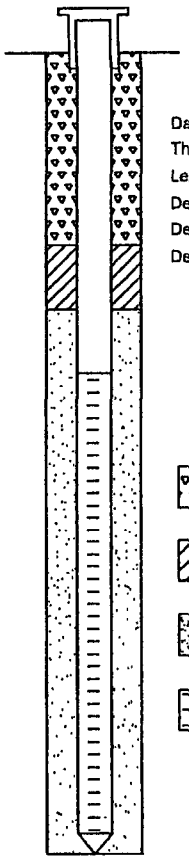
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 25





Monitoring Well Details

Date Drilled	02 - 10 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	18.5 ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

Legend

- Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, slight odor, moderate stain.
- Sand - (SP) - Brown, very fine grained, well sorted, dry, moderate to strong odor, moderate stain.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)
- Caliche - White, hard, interbedded with sand.
- Indicates samples selected for laboratory analysis.
- Indicates the PSH level measured on date.
- Indicates the ground water level measured on date.
- PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

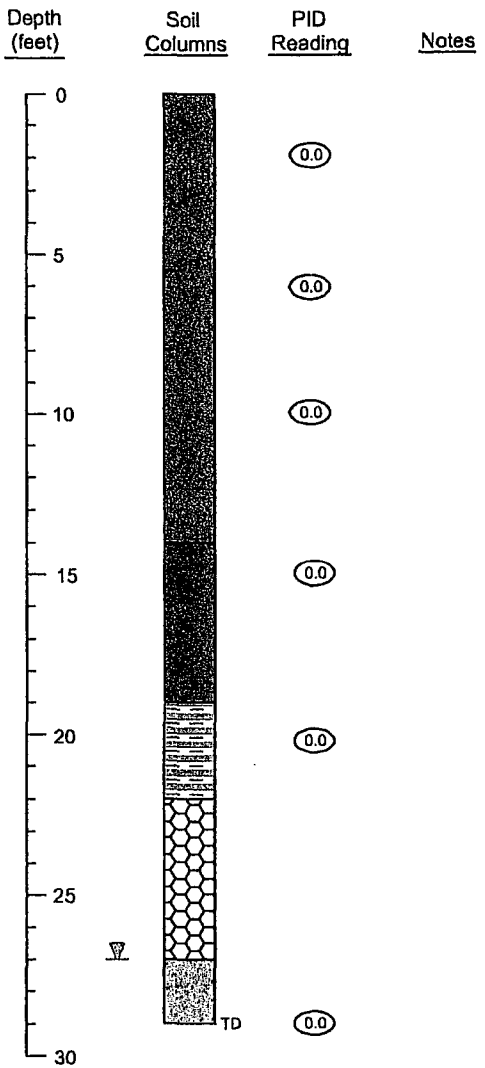
Monitoring Well - 25

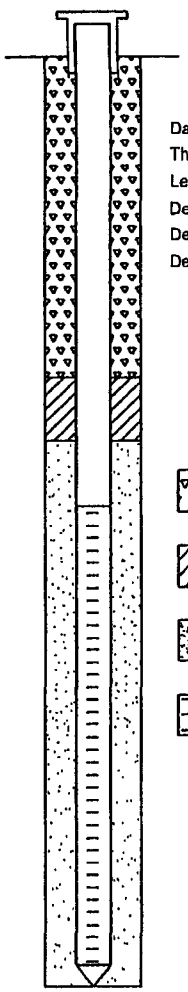
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
February 22, 2000	ETGI Project # EOT2044C	

Monitoring Well MW - 26





Monitoring Well Details

Date Drilled	06 - 07 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	29 ft
Depth of Exploratory Well	29 ft
Depth to Ground Water	27 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Red Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Tan white, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Clay - (SC) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. *Actual transitions may be gradual.*
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

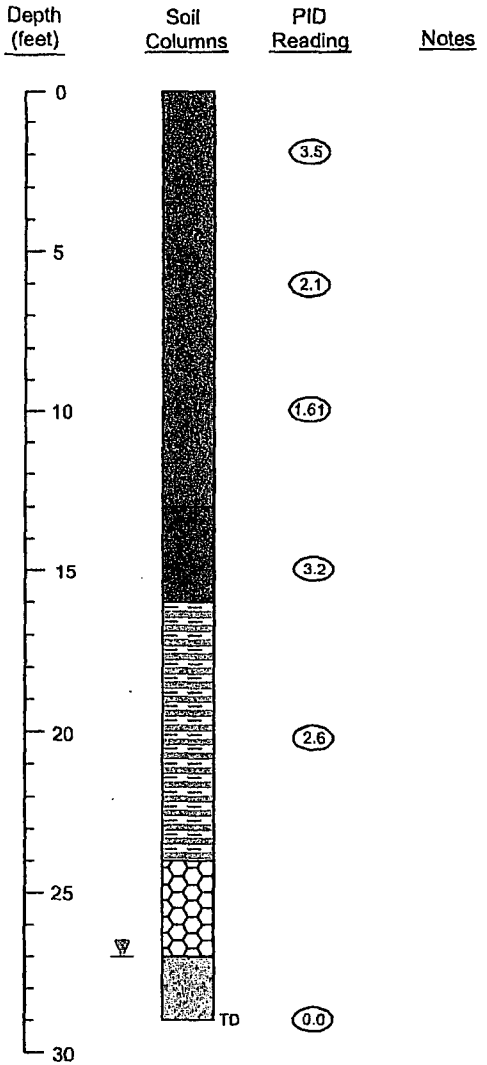
Monitoring Well - 26

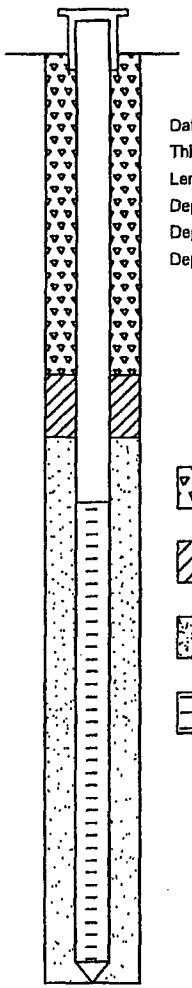
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
June 07, 2000	ETGI Project # EOT 2044C	

Monitoring Well MW - 27





Monitoring Well Details

Date Drilled	06 - 07 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	29 ft
Depth of Exploratory Well	29 ft
Depth to Ground Water	27 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Red Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Tan white, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Clay - (SC) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, Interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" *ID, 0.020 inch factory slotted, threaded* joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

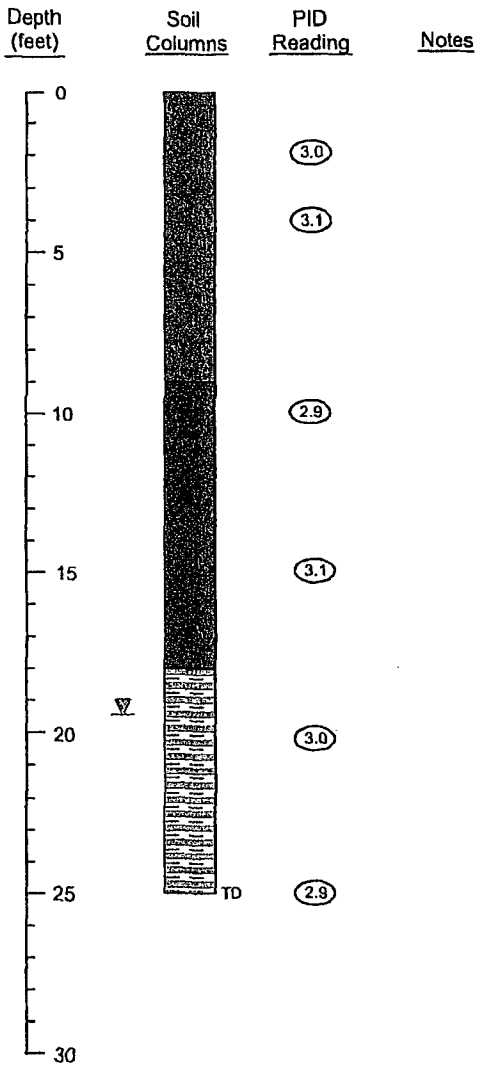
Monitoring Well - 27

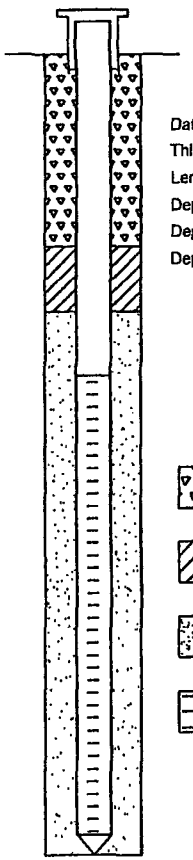
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
June 07, 2000	ETGI Project # EOT 2044C	

Monitoring Well MW - 28





Monitoring Well Details

Date Drilled	06 - 26 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	19.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Red Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Tan white, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Clay - (ML) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

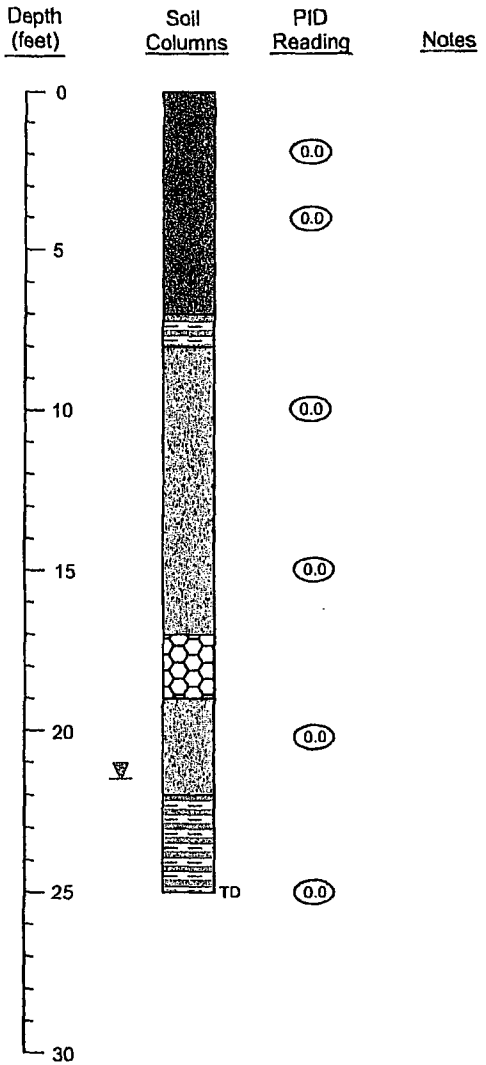
Monitoring Well - 28

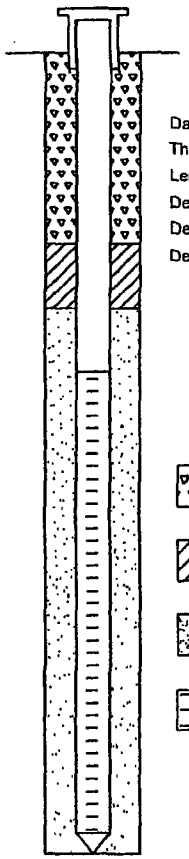
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
June 26, 2000	ETGI Project # EOT 2044C	

Monitoring Well MW - 29





Monitoring Well Details

Date Drilled	06 - 26 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	21.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Red Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Tan white, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Clay - (SC) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID *Head-space reading in ppm obtained with a photo-ionization detector.*

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

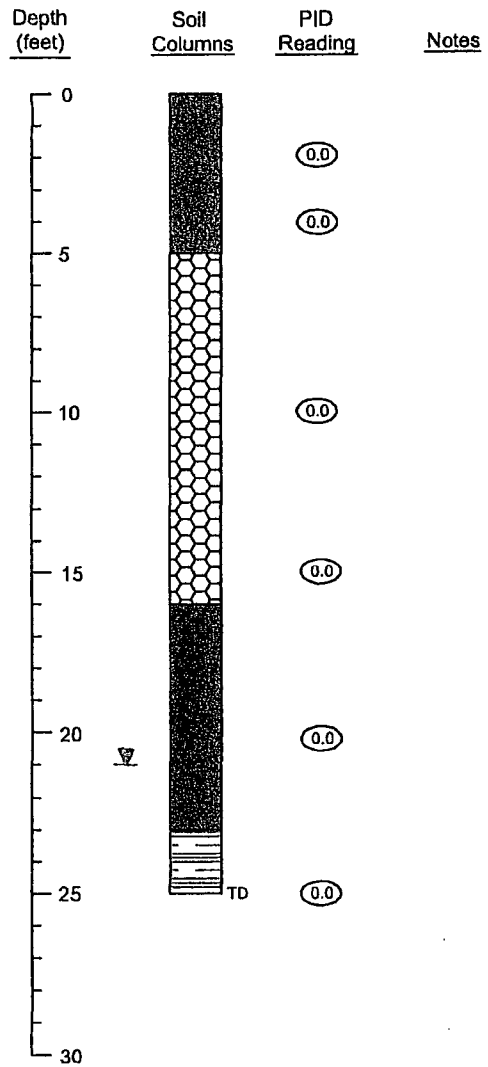
Monitoring Well - 29

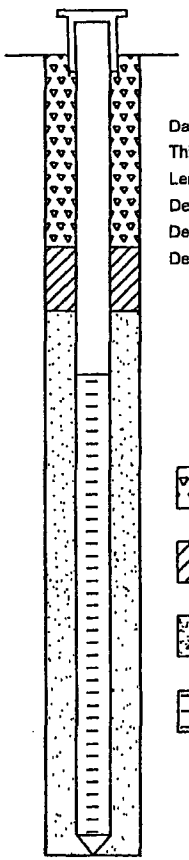
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
June 27, 2000	ETGI Project # EOT 2044C	

Monitoring Well MW - 30





Monitoring Well Details

Date Drilled	06 - 27 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	21 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Red Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Tan white, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Clay - (SC) - Red, sandy, silty, soft, moist to wet. *(Red bed - Triassic Dockum group)*

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

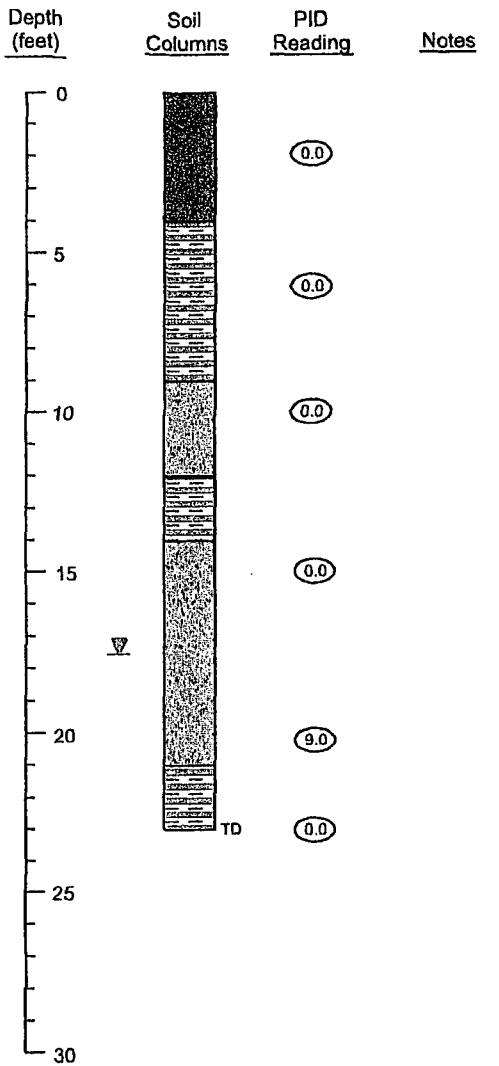
Monitoring Well - 30

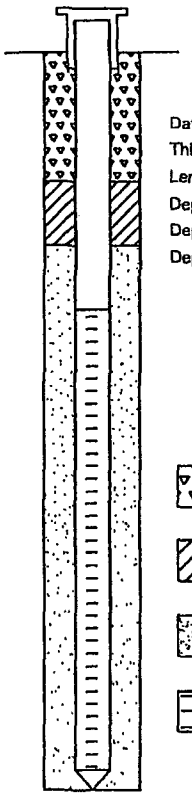
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
June 27, 2000	ETGI Project # EOT 2044C	

Monitoring Well MW - 31





Monitoring Well Details

Date Drilled	06 - 27 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	23 ft
Depth of Exploratory Well	23 ft
Depth to Ground Water	17.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Red Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Tan white, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Clay - (SC) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID *Head-space reading in ppm obtained with a photo-ionization detector.*

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

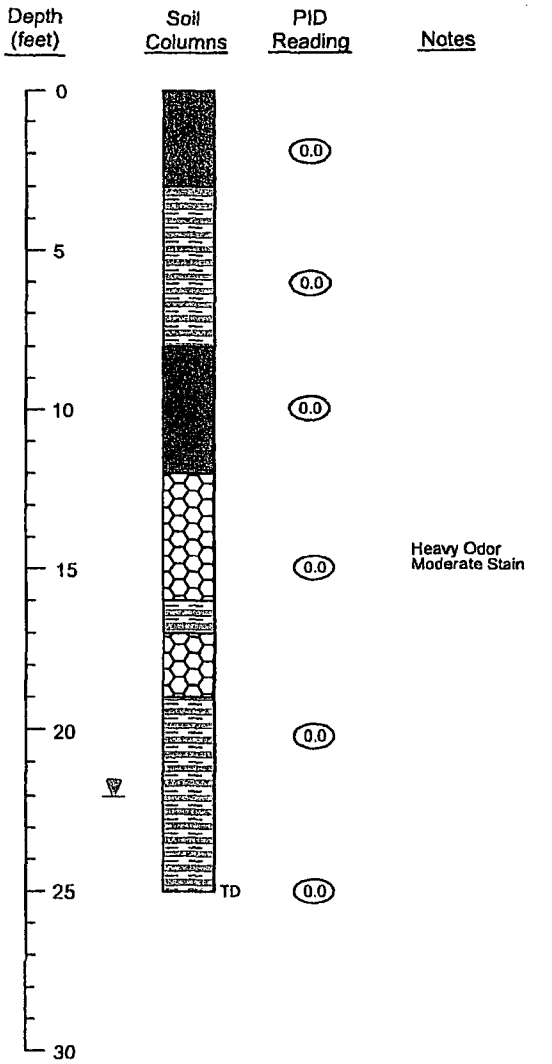
Monitoring Well - 31

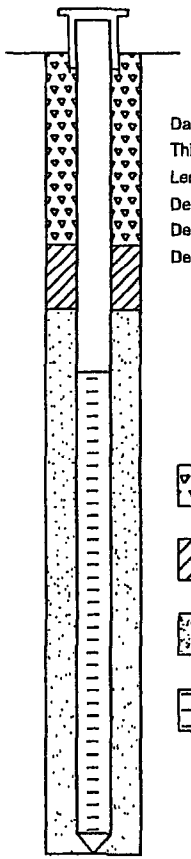
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
June 27, 2000	ETGI Project # EOT 2044C	

Monitoring Well MW - 32





Monitoring Well Details

Date Drilled	06 - 27 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Wall Screen	15 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	22 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Red Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Tan white, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Clay - (SC) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate *boundaries. Actual transitions may be gradual.*
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

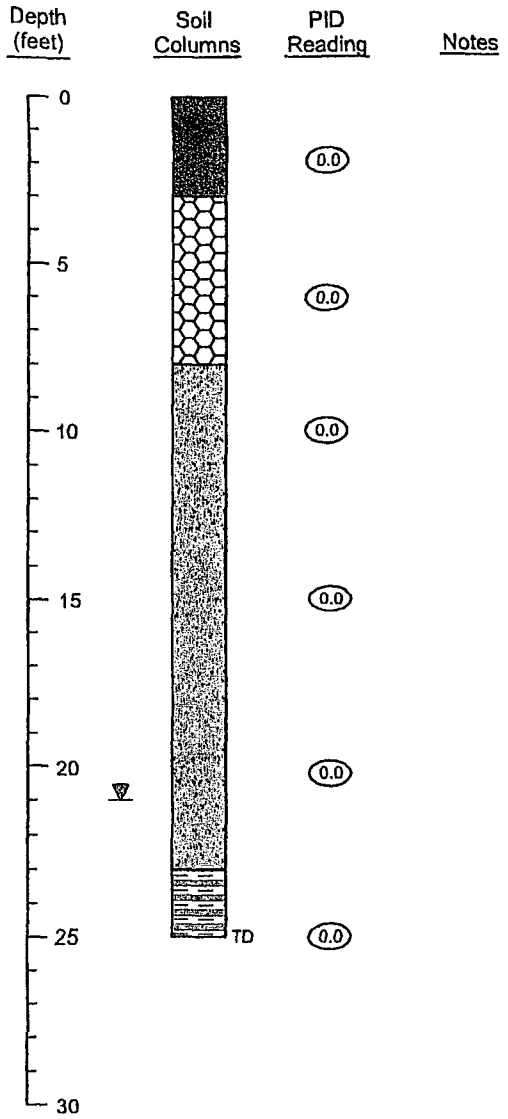
Monitoring Well - 32

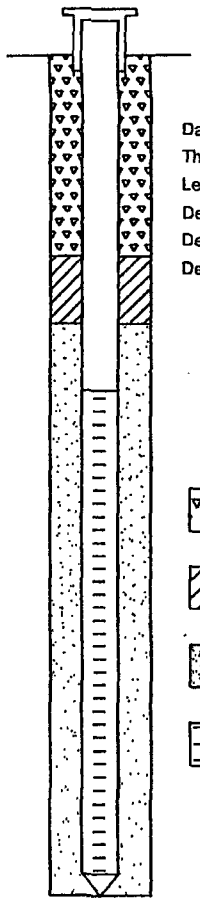
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
June 27, 2000	ETGI Project # EOT 2044C	

Monitoring Well MW - 33





Monitoring Well Details

Date Drilled	06 - 27 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	21 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Red Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Tan white, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Clay - (SC) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. *The monitoring well was installed on date using air rotary drilling* techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

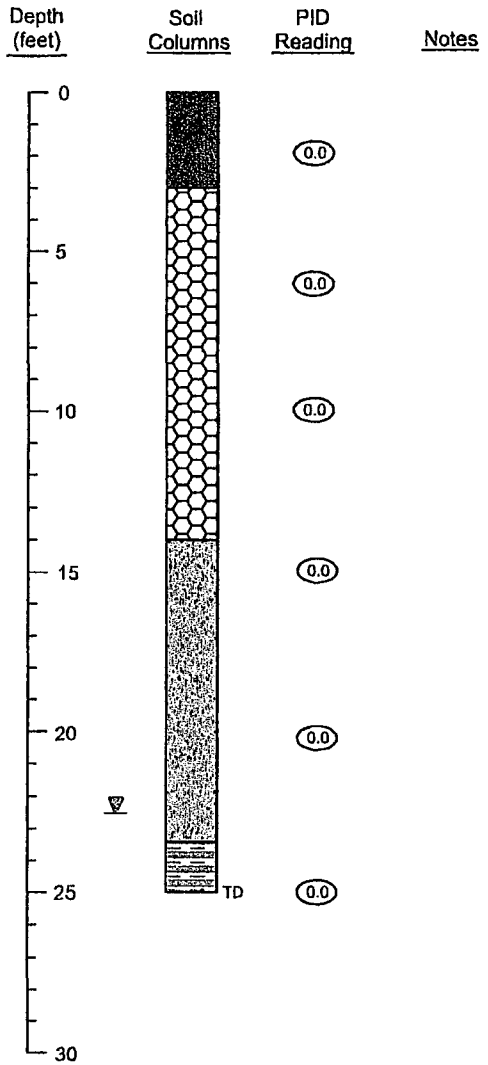
Monitoring Well - 33

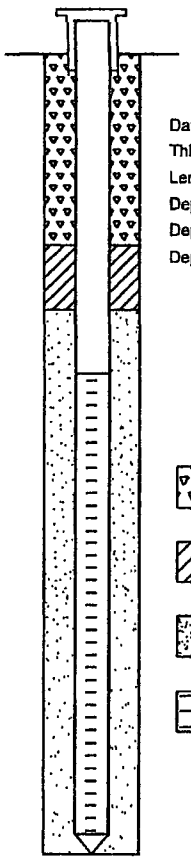
EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
June 27, 2000	ETGI Project # EOT 2044C	

Monitoring Well MW - 34





Monitoring Well Details

Date Drilled	06 - 28 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	22.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Red Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Tan white, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Clay - (SC) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

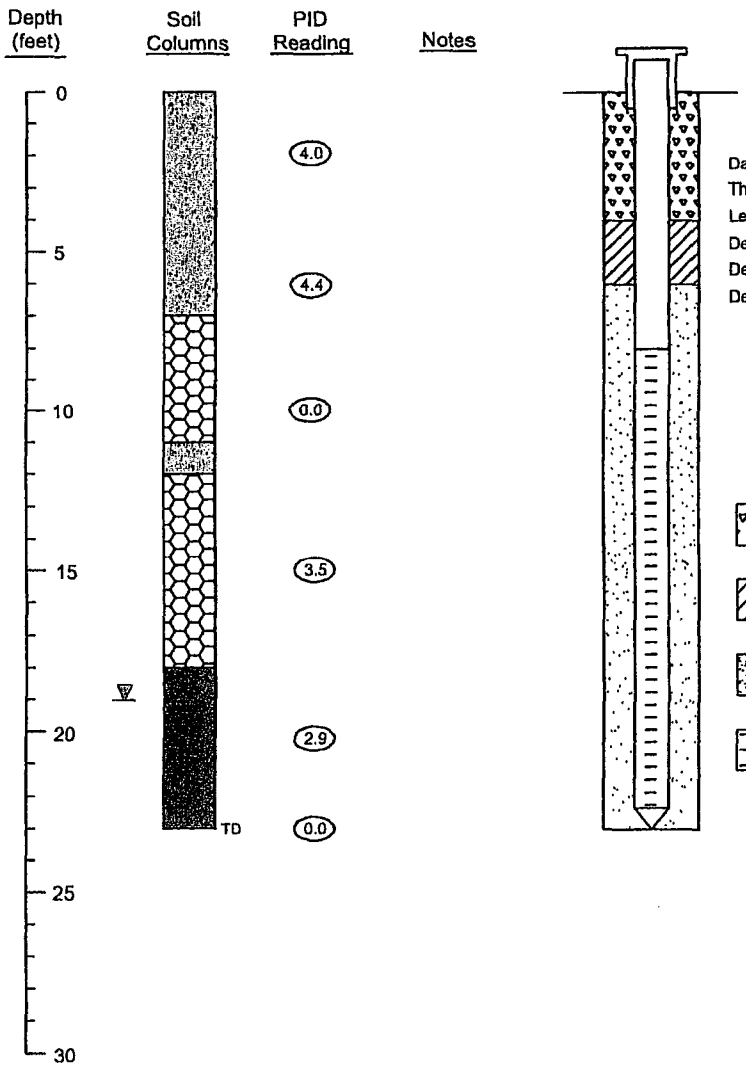
Monitoring Well - 34

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
June 28, 2000	ETGI Project # EOT 2044C	

Monitoring Well MW - 36



Monitoring Well Details

Date Drilled	06 - 28 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	23 ft
Depth of Exploratory Well	23 ft
Depth to Ground Water	19 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Red Brown, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Sand - (SP) - Tan white, very fine grained, well sorted, dry, no odor, no stain, interbedded with caliche nodules.

Clay - (SC) - Red, sandy, silty, soft, moist to wet. (Red bed - Triassic Dockum group)

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

Monitoring Well - 36

EOTT Energy Corp. Bob Durham Lea County, NM

Environmental Technology Group, Inc.

Scale: NTS	Prep By: RS	Checked By: JT
June 28, 2000	ETGI Project # EOT 2044C	

APPENDIX B

LABORATORY ANALYTICAL DATA

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: Bob Durham
Project Name: EOT1044C
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 01/31/00
Analysis Date: 1/31 - 2/1/00

ELT#	FIELD CODE	SAMPLE DATE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
23236	MW-1 (5')	1/25/00	1838	3661
23237	MW-1 (15')	1/25/00	<10	<10
23238	MW-2 (5')	1/25/00	<10	<10
23239	MW-2 (15')	1/25/00	<10	26
23240	MW-3 (15')	1/25/00	<10	29
23241	MW-4 (15')	1/25/00	<10	<10
23242	MW-5 (15')	1/25/00	11	210
23243	MW-6 (15')	1/25/00	<10	37
23244	MW-7 (15')	1/25/00	49	420
23245	MW-8 (15')	1/26/00	<10	124
23246	MW-9 (15')	1/26/00	<10	<10
23247	MW-10 (15')	1/26/00	<10	<10
23248	MW-11 (20')	1/26/00	<10	<10
23249	MW-12 (15')	1/26/00	694	2807
23250	MW-12 (20')	1/26/00	104	863
23251	MW-13 (5')	1/27/00	<10	<10
23252	MW-13 (15')	1/27/00	<10	<10
23253	MW-14 (15')	1/27/00	<10	<10
23254	MW-15 (15')	1/27/00	<10	<10
23255	MW-16 (5')	1/27/00	<10	<10
23256	MW-16 (10')	1/27/00	<10	<10
23257	MW-16 (15')	1/27/00	794	2032
23258	SB-1 (15')	1/28/00	<10	17
	%INSTRUMENT ACCURACY		101	89
	% EXTRACTION ACCURACY		101	94
	BLANK		<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle — 2-3-00

Raland K. Tuttle — Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: Bob Durham
Project Name: EOT1044C
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 01/31/00
Analysis Date: 1/31 - 2/2/00

ELT#	FIELD CODE / SAMPLE DATE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
23236	MW-1 (5') 1/25/00	2.51	13.7	13.2	51.5	17.3
23237	MW-1 (15') 1/25/00	<0.100	<0.100	<0.100	<0.100	<0.100
23238	MW-2 (5') 1/25/00	<0.100	<0.100	<0.100	<0.100	<0.100
23239	MW-2 (15') 1/25/00	<0.100	0.106	<0.100	0.129	<0.100
23240	MW-3 (15') 1/25/00	<0.100	0.143	<0.100	0.150	<0.100
23241	MW-4 (15') 1/25/00	<0.100	0.105	<0.100	<0.100	<0.100
23242	MW-5 (15') 1/25/00	<0.100	<0.100	<0.100	0.167	<0.100
23243	MW-6 (15' 1/25/00	<0.100	<0.100	<0.100	<0.100	<0.100
23244	MW-7 (15') 1/26/00	<0.100	0.166	0.170	0.720	0.383
23245	MW-8 (15') 1/26/00	<0.100	<0.100	<0.100	0.131	<0.100
23246	MW-9 (15') 1/26/00	<0.100	0.452	0.312	0.978	0.583
23247	MW-10 (15') 1/26/00	<0.100	<0.100	<0.100	<0.100	<0.100
23248	MW-11 (20') 1/26/00	<0.100	<0.100	<0.100	<0.100	<0.100
23249	MW-12 (15') 1/26/00	<0.100	1.10	1.57	6.16	3.16
23250	MW-12 (20') 1/26/00	<0.100	1.30	0.513	2.59	1.46
23251	MW-13 (5') 1/27/00	<0.100	0.110	<0.100	<0.100	<0.100
23252	MW-13 (15') 1/27/00	<0.100	<0.100	<0.100	<0.100	<0.100
23253	MW-14 (15') 1/27/00	<0.100	0.216	0.243	0.264	0.143
23254	MW-15 (15') 1/27/00	<0.100	<0.100	<0.100	<0.100	<0.100
23255	MW-16 (5') 1/27/00	<0.100	0.114	0.107	0.314	0.262
23256	MW-16 (10') 1/27/00	<0.100	<0.100	<0.100	<0.100	<0.100
23257	MW-16 (15') 1/27/00	0.942	1.38	2.07	7.78	3.25
23258	SB-1 (15') 1/28/00	<0.100	<0.100	<0.100	0.115	<0.100
	% IA	91	91	86	89	87
	% EA	95	90	87	90	86
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: EPA SW 846-8021B,5030

Raland K. Tuttle

2-3-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 74

Project Manager: J. TAYLOR
Phone #: (915) 664-9166
FAX #: (505) 392-3760
Company Name & Address: ETGI P.O. BOX 4845, MIDLAND, TX 79704
Project #: BOB DURHAM
Project Name: EOT 1044C
Project Location: MONUMENT, NM
Sampler Signature: Jen Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	HOME	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
23236	MW-1 (5')	1	4oz		X						X			1-25	0750	X								X
23237	MW-1 (15')														0830									
23238	MW-2 (5')														0910									
23239	MW-2 (15')														0925									
23240	MW-3 (15')														1225									
23241	MW-4 (15')														1350									
23242	MW-5 (15')														1520									
23243	MW-6 (15')														1630									
23244	MW-7 (15')													1-26	0820									
23245	MW-8 (15')														0955									
23246	MW-9 (15')														1040									

	Date:	Time:	Received by:
Relinquished by: Jen Dutton	31 Jan 00	1240	
Relinquished by:			Received by:
Relinquished by:	Date: 1/31/00	Time: 12:40	Received by Laboratory: Cindy Caine

REMARKS
FAX RESULTS:
K. DUTTON

INVOICE: L. FROST

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 74

Project Manager: J. TAYLOR
Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. BOX 4845 MIDLAND TX 79704

Project #: BOB DURHAM
Project Name: EOT 1044C

Project Location: MONUMENT, NM
Sampler Signature: Ken Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	HONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
23247	MW-10 (15')	1	40z		X						X			1-26	1145	X								X
23248	MW-11 (20')														1320									
23249	MW-12 (15')														1425									
23250	MW-12 (20')														1445									
23251	MW-13 (5')													1-27	0940									
23252	MW-13 (15')														1000									
23253	MW-14 (15')														1045									
23254	MW-15 (15')														1145									
23255	MW-16 (5')														1430									
23256	MW-16 (10')														1450									
23257	MW-16 (15')														1520									

Relinquished by:	Date:	Time:	Received by:
	1-30-00	1240	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: 1/31/00	Time: 12:40	Received by Laboratory: Celia Keene

REMARKS

FAX RES: K. DUTTON

INVOICE: L. FROST

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: J. TAYLOR

Phone #: (915) 664-9166

FAX #: (505) 392-3760

Company Name & Address: ETGI P.O. BOX 4845, MIDLAND TX 79704

Project #: BOB DURHAM

Project Name: EOT 1044C

Project Location: MONUMENT NM

Sampler Signature: Ken Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	HONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
23358	SB-1 (15')	1	4oz	X							X			1-28	1410									X

ANALYSIS REQUEST

Relinquished by:	Date:	Time:	Received by:
	1-31-00	1290	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: 1/31/00	Time: 12:40	Received by Laboratory:

REMARKS

FAX RES: K. DUTTON

INVOICE: L. FROST

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 02/12/00
Analysis Date: 02/14/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	Sample Date
23535	MW-17 (15')	<10	<10	2/07/00
23536	MW-18 (20')	<10	<10	2/07/00
23537	MW-19 (15')	<10	<10	2/09/00
23538	MW-20 (15')	<10	<10	2/09/00
23539	MW-22 (15')	<10	<10	2/10/00
23540	MW-23 (15')	<10	349	2/10/00
23541	MW-23 (20')	<10	<10	2/10/00
23542	MW-24 (15')	<10	<10	2/10/00
23543	MW-25 (15')	<10	<10	2/10/00
23544	SB-2 (15')	<10	<10	2/09/00
23545	SB-2 (5')	<10	<10	2/09/00
23546	SB-3 (10')	14	449	2/09/00
23547	SB-3 (15')	<10	<10	2/09/00

%INSTRUMENT ACCURACY	111	110
% EXTRACTION ACCURACY	112	113
BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle — Date: 2-16-00

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 02/12/00
Analysis Date: 2/14 & 2/15/00

ELT#	Field Code/ Sample Date	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
23535	MW-17 (15') 2/7/00	<0.100	<0.100	<0.100	<0.100	<0.100
23536	MW-18 (20') 2/7/00	<0.100	<0.100	<0.100	<0.100	<0.100
23537	MW-19 (15') 2/9/00	<0.100	<0.100	<0.100	<0.100	<0.100
23538	MW-20 (15') 2/9/00	<0.100	0.264	0.153	0.272	0.129
23539	MW-22 (15') 2/10/00	<0.100	<0.100	<0.100	<0.100	<0.100
23540	MW-23 (15') 2/10/00	<0.100	<0.100	<0.100	<0.100	<0.100
23541	MW-23 (20') 2/10/00	<0.100	<0.100	<0.100	<0.100	<0.100
23542	MW-24 (15') 2/10/00	<0.100	<0.100	<0.100	<0.100	<0.100
23543	MW-25 (15') 2/10/00	<0.100	<0.100	<0.100	<0.100	<0.100
23544	SB-2 (15') 2/9/00	<0.100	<0.100	<0.100	0.190	<0.100
23545	SB-2 (5') 2/9/00	<0.100	<0.100	<0.100	<0.100	<0.100
23546	SB-3 (10') 2/9/00	<0.100	<0.100	<0.100	0.184	<0.100
23547	SB-3 (15') 2/9/00	<0.100	<0.100	<0.100	<0.100	<0.100
	% IA	94	92	90	91	88
	% EA	102	98	96	98	95
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030

Raland K. Tuttle

2-16-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: Ø79

Project Manager: JESSE TAYLOR

Phone #: (915) 664-9166

FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. BOX 4845, MIDLAND TX 79704

Project #: EOTIØ44C

Project Name: BOB DURHAM

Project Location: MONUMENT NM

Sampler Signature: Ken Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	HONE	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021 (5030)	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
23535	MW-17 (15')	1	4oz	X							X			2-7	1440	X								X
23536	MW-18 (20)													2-7	1530									
23537	MW-19 (15')													2-9	ØØØØ									
23538	MW-20 (15')													2-9	Ø945									
23539	MW-22 (15')													2-9	ØØØØ									
23540	MW-23 (15)													2-10	1440									
23541	MW-23 (20')													2-10	1510									
23542	MW-24 (15')													2-10	1540									
23543	MW-25 (15')													2-10	1610									
23544	SB-2 (15')													2-9	1445									
23545	SB-2 (5')													2-9	1400									

Relinquished by:	Date:	Time:	Received by:
Ken Dutton	11 Feb ØØ	1554	
Relinquished by:	Date:	Time:	Received by:
Mike Watts	02-12-00	1115	mcmurry
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

FAX RESULTS:
K. DUTTON

INVOICE: L. FROST

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: J. TAYLOR

Phone #: (915) 664-9166

FAX #: (505) 392-3760

Company Name & Address: ETGI P.O. BOX 4845, MIDLAND TX 79704

Project #: EOT 1044C

Project Name: BOB DURHAM

Project Location: MONUMENT NM

Sampler Signature: Ken Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Preservative: HCL	HNO3	ICE	NONE	OTHER	Sampling: DATE (2000)	TIME	BTEX 8020/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
23546	SB-3 (10')	1	4oz		X						X			2-9	1520	X								X
23547	SB-3 (15')	1	4oz		X						X			2-9	1550	X								X

Relinquished by:	Date:	Time:	Received by:
Ken Dutton	11 FEB 00	1550	[signature]
[signature]	02-12-00	1115	[signature]
			Received by Laboratory:

REMARKS

FR: K. DUTTON,

INVOICE: L. FROST

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

SampleType: Soil
Sample Condition: Intact/ Iced/ 32 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: 06/07/00
Receiving Date: 06/10/00
Analysis Date: 06/13/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
26451	MW26SS (5')	<10	<10
26452	MW26SS (10')	<10	<10
26453	MW26C (15')	<10	<10
26454	MW26C (20')	<10	<10
26455	MW26C (29')	<10	<10
26456	MW27C (5')	<10	<10
26457	MW27C (10')	<10	<10
26458	MW27C (15')	<10	<10
26459	MW27C (20')	<10	<10
26460	MW27C (27')	<10	<10
26461	MW27C (29')	<10	<10
	% IA	83	113
	% EA	95	116
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

Umesh Rao
Umesh Rao, Ph. D.

6/14/00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 150

Project Manager: JESSE TAYLOR
Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. BOX 4845 MIDLAND, TX 79704

Project #: EOT 2044C
Project Name: BOB DURHAM

Project Location: HONUMENT NM
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE 2600	TIME	ANALYSIS REQUEST: BTEX 8021B/5030	TPH 8015 DRO/GRO	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
26451	MW2655 (5')	1	4oz		X						X			6/7	0900		X						
26452	MW2655 (10')														0908								
26453	MW26C (15')														0928								
26454	MW26C (20')														0934								
26455	MW26C (29')														0955								
26456	MW27C (5')														1302								
26457	MW27C (10')														1308								
26458	MW27C (15')														1315								
26459	MW27C (20')														1320								
26460	MW27C (27')														1325								
26461	MW27C (29')														1332								

Relinquished by:	Date:	Time:	Received by:
	09 Jan 00	1438	
Relinquished by:	Date:	Time:	Received by:
	10 Jan 00	1100	
Relinquished by:	Date	Time:	Received by Laboratory:

REMARKS
FX: (505) 392-3760
32°F

INVOICE: EOTT

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS,N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

SampleType: Soil
Sample Condition: Intact/ Iced/ 28 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: 06/26/00
Receiving Date: 06/29/00
Analysis Date: 07/05/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
27510	MW-28C (0-2)	<10	<10
27511	MW-28SS (3-5)	<10	<10
27512	MW-28SS (8-10)	<10	<10
27513	MW-28SS (13-15)	<10	<10
27514	MW-28SS (18-20)	<10	<10
27515	MW-28SS (23-25)	<10	<10
27516	MW-29C (0-2)	<10	17
27517	MW-29SS (3-5)	<10	<10
27518	MW-29SS (8-10)	<10	<10
27519	MW-29SS (13-15)	<10	10
27520	MW-29C (18-20)	<10	<10
27521	MW-29SS (23-25)	<10	<10
27522	MW-30C (0-2)	<10	22
27523	MW-30C (3-5)	<10	<10
27524	MW-30C (8-10)	<10	<10
	% IA	89	109
	% EA	71	80
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

Raland K. Tuttle

7-6-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS,N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

SampleType: Soil
Sample Condition: Intact/ Iced/ 28 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 06/29/00
Analysis Date: 07/05/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	SAMPLE DATE
27525	MW-30C (13-15)	<10	<10	06/26/00
27526	MW-30SS (18-20)	<10	<10	06/26/00
27527	MW-30SS (23-25)	<10	<10	06/26/00
27528	MW-31C (0-2)	<10	<10	06/30/00
27529	MW-31SS (3-5)	<10	<10	06/30/00
27530	MW-31SS (8-10)	<10	<10	06/30/00
27531	MW-31C (13-15)	<10	<10	06/30/00
27532	MW-31SS (18-20)	<10	<10	06/27/00
27533	MW-31SS (21-23)	<10	<10	06/27/00
27534	MW-32C (0-2)	<10	<10	06/27/00
27535	MW-32C (3-5)	<10	<10	06/27/00
27536	MW-32SS (8-10)	<10	18	06/27/00
27537	MW-32C (13-15)	<10	43	06/27/00
27538	MW-32SS (18-20)	<10	<10	06/27/00
27539	MW-32SS (23-25)	<10	<10	06/27/00
27540	MW-33C (0-2)	<10	<10	06/27/00
27541	MW-33C (3-5)	<10	<10	06/27/00
27542	MW-33C (8-10)	<10	<10	06/27/00
27543	MW-33C (13-15)	<10	<10	06/27/00
27544	MW-33SS (18-20)	<10	<10	06/27/00
	% IA	89	109	
	% EA	90	104	
	BLANK	<10	<10	

METHODS: SW 846-8015M GRO/DRO

Raland K. Tuttle

7-6-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS,N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

SampleType: Soil
Sample Condition: Intact/ Iced/ 28 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 06/29/00
Analysis Date: 07/05/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	SAMPLE DATE
27545	MW-33SS (23-25)	<10	<10	06/27/00
27546	MW-34C (0-2)	<10	<10	06/28/00
27547	MW-34C (3-5)	<10	<10	06/28/00
27548	MW-34C (8-10)	<10	<10	06/28/00
27549	MW-34C (13-15)	<10	<10	06/28/00
27550	MW-34SS (18-20)	<10	<10	06/28/00
27551	MW-34SS (23-25)	<10	<10	06/28/00
27552	MW-35C (0-2)	<10	<10	06/28/00
27553	MW-35C (3-5)	<10	<10	06/28/00
27554	MW-35C (8-10)	<10	<10	06/28/00
27555	MW-35C (13-15)	<10	<10	06/28/00
27556	MW-35C (18-20)	<10	<10	06/28/00
27557	MW-35SS (23)	<10	<10	06/28/00
27558	MW-36C (0-2)	<10	<10	06/28/00
27559	MW-36C (3-5)	<10	<10	06/28/00
27560	MW-36C (8-10)	<10	<10	06/28/00
27561	MW-36C (13-15)	<10	<10	06/28/00
27562	MW-36SS (18-20)	<10	<10	06/28/00
27563	MW-36SS (23)	<10	<10	06/28/00
	% IA	89	109	
	% EA	90	104	
	BLANK	<10	<10	

METHODS: SW 846-8015M GRO/DRO

Raland K. Tuttle

7-6-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 172

1 of 5

Project Manager: Q. TAYLOR

Phone #: (505) 397-4882
FAX #: (505) 397-4701

Company Name & Address: ETGI, 2540 W. Marland, Hobbs, NM 88240

Project #: EOT 2044C

Project Name: BOB DURHAM

Project Location: MONUMENT NM

Sampler Signature: Ken Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 8015 DRO/GRO	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
27510	MW-28C (0-2)	1	4oz		X						X			6/26	1118		X						
27511	MW-28SS (3-5)														1121								
27512	MW-28SS (8-10)														1130								
27513	MW-28SS (13-15)														1145								
27514	MW-28SS (18-20)														1156								
27515	MW-28SS (23-25)														1225								
27516	MW-29C (0-2)														1418								
27517	MW-29SS (3-5)														1427								
27518	MW-29SS (8-10)														1432								
27519	MW-29SS (13-15)														1442								
27520	MW-29C (18-20)														1453								

Relinquished by:	Date:	Time:	Received by:
Ken Dutton	29 JUN 00	1351	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:
	29 JUN 00	5:10	M McNulty

REMARKS: Rec. 28°F

FR: K. DUTTON
(505) 397-4701

INVOICE: EOTT

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 172

2 of 5

Project Manager: J TAYLOR

Phone #: (505) 397-4882
FAX #: (505) 397-4701

Company Name & Address: ETGI, 2540 W. Marland, Hobbs, NM 88240

Project #: EOT 2044C

Project Name: BOB DURHAM

Project Location: MONUMENT NM

Sampler Signature: Ken Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021/5030	TPH 418.1 8015 Mod/1620	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
27521	MW-29 SS (23-25)	1	4oz	X							X			6/26	1512	X							
27522	MW-30 C (0-2)														0907								
27523	MW-30 C (3-5)														0918								
27524	MW-30 C (8-10)														0921								
27525	MW-30 C (13-15)														0924								
27526	MW-30 SS (18-20)														0933								
27527	MW-30 SS (23-25)														0953								
27528	MW-31 C (0-2)													6/31	1045								
27529	MW-31 SS (3-5)														1053								
27530	MW-31 SS (8-10)														1105								
27531	MW-31 C (13-15)														1111								

Relinquished by:	Date:	Time:	Received by:
Ken Dutton	29 Jun 00	1351	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:
	29 Jun 00	5:10	

REMARKS: Rec 28° F

FR: K. DUTTON
(505) 397-4701

INVOICE: EOTT

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC# 172

Project Manager: J. TAYLOR
Phone #: (505) 397-4882
FAX #: (505) 397-4701

Company Name & Address: ETGI, 2540 W. Marland, Hobbs, NM 88240

Project #: EOT 2044C
Project Name: BOB DURHAM

Project Location: MONUMENT NM
Sampler Signature: Jon Dutton

ANALYSIS REQUEST

3 of 5

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 8015 Modified	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	NCI
27532	MW-31 SS (18-20)	1	4oz		X						X			6/27	1119		X						
27533	MW-31 SS (21-23)														1130								
27534	MW-32 C (0-2)														1235								
27535	MW-32 C (3-5)														1241								
27536	MW-32 SS (8-10)														1251								
27537	MW-32 C (13-15)														1259								
27538	MW-32 SS (18-20)														1305								
27539	MW-32 SS (23-25)														1355								
27540	MW-33 C (0-2)														1359								
27541	MW-33 C (3-5)														1409								
27542	MW-33 C (8-10)														1410								

Relinquished by:	Date:	Time:	Received by:
Jon Dutton	29 Jun 00	1351	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:
	29 Jun 00	5:10	D McMurry

REMARKS: Rec 28°F
FR: K. DUTTON
(505) 397-4701

INVOICE: EOTT

JUL 05 '00

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 172

4 of 5

Project Manager: J. TAYLOR

Phone #: (505) 397-4882
FAX #: (505) 397-4701

Company Name & Address: ETGI, 2540 W. Marland, Hobbs, NM 88240

Project #: EOT 2044C

Project Name: BOB DURHAM

Project Location: MONUMENT N/M

Sampler Signature: Jen Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE (2000)	TIME	BTEX 8021B/5030	TPH 418.1 8015 Mod C-20	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
27543	MW-33C (13-15)	1	4oz		X						X			6/27	1420		X						
27544	MW-33SS (18-20)														1427								
27545	MW-33SS (23-25)														1440								
27546	MW-34C (0-2)													6/28	0939								
27547	MW-34C (3-5)														0942								
27548	MW-34C (8-10)														1001								
27549	MW-34C (13-15)														1008								
27550	MW-34SS (18-20)														1014								
27551	MW-34SS (23-25)														1022								
27552	MW-35C (0-2)														1150								
27553	MW-35C (3-5)														1154								

Relinquished by:	Date:	Time:	Received by:
Jen Dutton	29 JUN 00	135	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:
	29 JUN 00	510	D McMurrey

REMARKS: FR: K. DUTTON Rec 28°F
(505) 397-4701

INVOICE: EOTT

Jul 06 00 11:40a

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC# 172

5 of 5

Project Manager: Q. TAYLOR
Phone #: (505) 397-4882
FAX #: (505) 397-4701

Company Name & Address: ETGI, 2540 W. Marland, Hobbs, NM 88240

Project #: EOT 2044C
Project Name: BOB DURHAM

Project Location: MONUMENT NM
Sampler Signature: Kea Dutton

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME
27554	MW-35C (8-10)	1	4oz		X						X			6/28/2000	1206
27555	MW-35C (13-15)														1212
27556	MW-35C (18-20)														1219
27557	MW-35 SS (23)														1240
27558	MW-36C (0-2)														1325
27559	MW-36C (3-5)														1331
27560	MW-36C (8-10)														1343
27561	MW-36C (13-15)														1356
27562	MW-36 SS (18-20)														1410
27563	MW-36 SS (23)														1422

ANALYSIS REQUEST

BTEX 8021B/5030	TPH 8015 DRO/GRO	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
	X						

Relinquished by:	Date:	Time:	Received by:
Kea Dutton	29 Jun 00	135	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:
	29 Jun 00	5:10.	Q McMurry

REMARKS: Rec 28° F
FR: K. DUTTON
(505) 397-4701

INVOICE: EOTT

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced/HCl
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 02/03/00
Analysis Date: 02/04/00

ELT#	FIELD CODE / SAMPLE DATE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBENZENE (mg/L)	m,p-XYLENE (mg/L)	o-XYLENE (mg/L)
23358	MW-3 02/03/00	0.480	0.235	0.153	0.441	0.170
23359	MW-9 02/02/00	0.020	0.007	0.001	0.004	0.002
23360	MW-10 02/02/00	0.009	0.004	<0.001	<0.001	<0.001
23361	MW-11 02/02/00	0.027	0.009	0.002	0.004	0.001
23362	MW-13 02/02/00	0.821	0.008	0.020	0.007	0.004
23363	MW-14 02/03/00	0.004	0.001	<0.001	<0.001	<0.001
23364	MW-15 02/03/00	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	101	97	95	98	95
	% EA	104	99	97	101	99
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B,5030

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument,N.M.

Sampling Date: See Below
Receiving Date: 02/03/00
Analysis Date: See Below

ELT#	FIELD CODE / SAMPLE DATE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
23358	MW-3 02/03/00	82.8	80	0	300	568
23359	MW-9 02/02/00	107.8	106	0	300	660
23360	MW-10 02/02/00	109.5	89	0	300	618
23361	MW-11 02/02/00	182.5	115	0	350	823
23362	MW-13 02/02/00	89.8	115	0	370	703
23363	MW-14 02/03/00	230.0	106	0	350	840
23364	MW-15 02/03/00	178.8	106	0	350	803
	QUALITY CONTROL	52.1	5318	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	104	106	*	*	*
	ANALYSIS DATE	02/12/00	02/07/00	02/12/00	02/12/00	02/11/00

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

2-16-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-3

Sampling Date: 02/03/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/13/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23358	RPD	%EA	%IA
Naphthalene	0.005	0.013			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			76
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	61
2-Fluorobiphenyl SURR	62
Terphenyl-d14 SURR	40

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-9

Sampling Date: 02/02/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/13/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23359	RPD	%EA	%IA
Naphthalene	0.005	ND			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			76
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	56
2-Fluorobiphenyl SURR	56
Terphenyl-d14 SURR	35

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-10

Sampling Date: 02/02/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/13/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23360	RPD	%EA	%IA
Naphthalene	0.005	ND			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			76
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	65
2-Fluorobiphenyl SURR	67
Terphenyl-d14 SURR	33

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-11

Sampling Date: 02/02/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/13/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23361	RPD	%EA	%IA
Naphthalene	0.005	ND			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			76
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	54
2-Fluorobiphenyl SURR	51
Terphenyl-d14 SURR	23

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-13

Sampling Date: 02/02/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/14/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23362	RPD	%EA	%IA
Naphthalene	0.005	ND			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			76
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	35
2-Fluorobiphenyl SURR	38
Terphenyl-d14 SURR	15

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-14

Sampling Date: 02/03/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/14/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23363	RPD	%EA	%IA
Naphthalene	0.005	ND			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			76
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	62
2-Fluorobiphenyl SURR	63
Terphenyl-d14 SURR	30

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-15

Sampling Date: 02/03/00
Receiving Date: 02/03/00
Extraction Date: 02/08/00
Analysis Date: 02/14/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23364	RPD	%EA	%IA
Naphthalene	0.005	ND			54
Acenaphthylene	0.005	ND			66
Acenaphthene	0.005	ND	6.35	61	66
Fluorene	0.005	ND			72
Phenanthrene	0.005	ND			76
Anthracene	0.005	ND			76
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	10.13	75	84
Benzo[a]anthracene	0.005	ND			84
Chrysene	0.005	ND			82
Benzo[b]fluoranthene	0.005	ND			68
Benzo[k]fluoranthene	0.005	ND			118
Benzo [a]pyrene	0.005	ND			80
Indeno[1,2,3-cd]pyrene	0.005	ND			84
Dibenz[a,h]anthracene	0.005	ND			84
Benzo[g,h,i]perylene	0.005	ND			86

	% RECOVERY
Nitrobenzene-d5 SURR	90
2-Fluorobiphenyl SURR	91
Terphenyl-d14 SURR	28

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sample Date: 02/03/00
Receiving Date: 02/03/00
Analysis Date: 02/09/00
Analysis Date: Hg 02/08/00

Analyte (mg/L)	MW-3 23358	MW-14 23363	MW-15 23364	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	28.70	55.70	11.90	5.000	97	104	<0.0500	1.41
Arsenic	ND	ND	ND	0.1000	102	120	<0.0050	3.39
Barium	1.530	1.340	1.090	1.000	94	97	<0.0100	0.48
Beryllium	ND	ND	ND	0.0040	106	110	<0.0040	0.00
Cadmium	ND	0.0140	ND	0.0100	100	101	<0.0010	1.90
Calcium	626.0	2540	2020	10.00	96	*	<1.000	0.73
Chromium	ND	0.1200	0.0610	0.0500	97	98	<0.0050	1.47
Cobalt	ND	0.2180	ND	0.0500	99	101	<0.0200	0.99
Copper	ND	ND	ND	1.000	98	106	<0.0100	0.38
Iron	15.70	33.30	6.330	1.000	104	96	<0.0500	3.00
Lead	ND	0.0530	ND	0.0500	98	100	<0.0030	1.98
Magnesium	34.40	73.50	38.50	1.000	97	*	<1.000	0.55
Manganese	0.5010	16.40	0.5620	0.2000	96	97	<0.0150	0.95
Mercury	ND	ND	ND	0.00020	99	89	<0.00020	2.22
Molybdenum	ND	ND	ND	1.00	98	101	<0.050	0.99
Nickel	ND	0.2150	ND	0.2000	97	100	<0.0100	0.80
Potassium	13.90	32.80	12.50	1.000	84	*	<1.000	0.92
Selenium	ND	ND	ND	0.0500	106	110	<0.0050	1.57
Silver	ND	ND	ND	0.05000	104	104	<0.0050	0.00
Sodium	69.10	155.0	169.0	1.000	108	*	<1.000	1.12
Tin	0.0630	0.1240	0.0910	0.0500	98	103	<0.0500	2.87
Vanadium	0.1230	0.3060	0.0810	0.0200	97	104	<0.0200	0.95
Zinc	ND	ND	ND	10.00	102	104	<0.0200	0.84
Boron	ND	ND	ND	0.750	97	99	<0.050	1.65
Strontium	1.32	2.30	1.70	0.050	95	95	<0.050	1.54

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sample Date: 02/02/00
Receiving Date: 02/03/00
Analysis Date: 02/09/00
Analysis Date: Hg 02/08/00

Analyte (mg/L)	MW-9 23359	MW-10 23360	MW-11 23361	MW-13 23362	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	ND	ND	ND	ND	5.000	97	104	<0.0500	1.41
Arsenic	ND	ND	ND	ND	0.1000	102	120	<0.0050	3.39
Barium	ND	ND	ND	ND	1.000	94	97	<0.0100	0.48
Beryllium	ND	ND	ND	ND	0.0040	106	110	<0.0040	0.00
Cadmium	ND	ND	ND	ND	0.0100	100	101	<0.0010	1.90
Calcium	138.0	279.0	712.0	430.0	10.00	96	*	<1.000	0.73
Chromium	ND	ND	ND	ND	0.0500	97	98	<0.0050	1.47
Cobalt	ND	ND	ND	ND	0.0500	99	101	<0.0200	0.99
Copper	ND	ND	ND	ND	1.000	98	106	<0.0100	0.38
Iron	ND	2.180	2.190	2.970	1.000	104	96	<0.0500	3.00
Lead	ND	ND	ND	ND	0.0500	98	100	<0.0030	1.98
Magnesium	18.30	22.30	27.50	26.90	1.000	97	*	<1.000	0.55
Manganese	ND	ND	0.4900	ND	0.2000	96	97	<0.0150	0.95
Mercury	ND	ND	ND	ND	0.00020	99	89	<0.00020	2.22
Molybdenum	ND	ND	ND	ND	1.00	98	101	<0.050	0.99
Nickel	ND	ND	ND	ND	0.2000	97	100	<0.0100	0.80
Potassium	7.780	6.640	8.230	7.140	1.000	84	*	<1.000	0.92
Selenium	ND	ND	ND	ND	0.0500	106	110	<0.0050	1.57
Silver	ND	ND	ND	ND	0.05000	104	104	<0.0050	0.00
Sodium	100.0	82.50	152.0	89.10	1.000	108	*	<1.000	1.12
Tin	ND	ND	0.0580	0.0540	0.0500	98	103	<0.0500	2.87
Vanadium	0.0270	0.0400	0.0460	0.0350	0.0200	97	104	<0.0200	0.95
Zinc	ND	ND	ND	ND	10.00	102	104	<0.0200	0.84
Boron	ND	ND	ND	ND	0.750	97	99	<0.050	1.65
Strontium	1.02	1.20	1.25	1.26	0.050	95	95	<0.050	1.54

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

2-15-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 077

Project Manager: Jesse Taylor

Phone #: (915) 664-9166

FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. Box 4845 Midland TX 79704

Project #: EOT 1044C

Project Name: Bob Durham

Project Location: Monument New Mexico

Sampler Signature: [signature]

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE (2000)	TIME	BTEX 8021/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS (160.1)	RCI	ANIONS (300.0)	CATIONS (6010) SM 4500 (CO3)	PAH (8100) or 8270	HEAVY METALS ICP SCAN (6010)
23358	MW 3	5	V, 5 / 1L	X					X	X	X			2-3	0930	X						X		X	X	X	X
23359	MW 9													2-2	1500												
23360	MW 10														1520												
23361	MW 11														1605												
23362	MW 13														1540												
23363	MW 14													2-3	1000												
23364	MW 15													2-3	1025												

(Arrows drawn from first row down through all rows for containers, volume, matrix, preservatives, date, and requested analyses.)

Relinquished by:	Date:	Time:	Received by:
[signature]	2-3-00	1640	[signature]

Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS
Mail Result - K. Dutton

Invoice: Lennah Frost 1015M

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-2760

Sample Type: Water
Sample Condition: Intact/Iced/HCl
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Analysis Date: 02/19/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
23650	MW 17	0.001	<0.001	<0.001	<0.001	<0.001
23651	MW 18	<0.001	<0.001	<0.001	<0.001	<0.001
23652	MW 19	<0.001	<0.001	<0.001	<0.001	<0.001
23653	MW 22	<0.001	<0.001	<0.001	<0.001	<0.001
23654	MW 24	<0.001	<0.001	<0.001	<0.001	<0.001
23655	MW 25	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	110	105	101	108	102
	% EA	113	109	106	110	104
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument,N.M.

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Analysis Date: See Below

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
23650	MW 17	248	133	0	300	864
23651	MW 18	251	142	0	280	868
23652	MW 19	102	89	0	220	501
23653	MW 22	213	89	0	300	722
23654	MW 24	105	80	0	240	546
23655	MW 25	97	89	0	230	548
	QUALITY CONTROL	48.5	5052	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	97	101	*	*	*
	ANALYSIS DATE	2/23/00	2/23/00	2/24/00	2/24/00	2/19/00

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-17

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Extraction Date: 02/21/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23650	RPD	%EA	%IA
Naphthalene	0.005	ND			68
Acenaphthylene	0.005	ND			76
Acenaphthene	0.005	ND	11.94	63	78
Fluorene	0.005	ND			80
Phenanthrene	0.005	ND			86
Anthracene	0.005	ND			84
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	3.73	79	122
Benzo[a]anthracene	0.005	ND			90
Chrysene	0.005	ND			88
Benzo[b]fluoranthene	0.005	ND			88
Benzo[k]fluoranthene	0.005	ND			176
Benzo [a]pyrene	0.005	ND			90
Indeno[1,2,3-cd]pyrene	0.005	ND			38
Dibenz[a,h]anthracene	0.005	ND			46
Benzo[g,h,i]perylene	0.005	ND			42

	% RECOVERY
Nitrobenzene-d5 SURR.	46
2-Fluorobiphenyl SURR	57
Terphenyl-d14 SURR	68

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL
LAB OF , INC.
"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-18

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Extraction Date: 02/21/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23651	RPD	%EA	%IA
Naphthalene	0.005	ND			68
Acenaphthylene	0.005	ND			76
Acenaphthene	0.005	ND	11.94	63	78
Fluorene	0.005	ND			80
Phenanthrene	0.005	ND			86
Anthracene	0.005	ND			84
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	3.73	79	122
Benzo[a]anthracene	0.005	ND			90
Chrysene	0.005	ND			88
Benzo[b]fluoranthene	0.005	ND			88
Benzo[k]fluoranthene	0.005	ND			176
Benzo [a]pyrene	0.005	ND			90
Indeno[1,2,3-cd]pyrene	0.005	ND			38
Dibenz[a,h]anthracene	0.005	ND			46
Benzo[g,h,i]perylene	0.005	ND			42

	% RECOVERY
Nitrobenzene-d5 SURR	54
2-Fluorobiphenyl SURR	70
Terphenyl-d14 SURR	74

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K Tuttle
Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-19

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Extraction Date: 02/21/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23652	RPD	%EA	%IA
Naphthalene	0.005	ND			68
Acenaphthylene	0.005	ND			76
Acenaphthene	0.005	ND	11.94	63	78
Fluorene	0.005	ND			80
Phenanthrene	0.005	ND			86
Anthracene	0.005	ND			84
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	3.73	79	122
Benzo[a]anthracene	0.005	ND			90
Chrysene	0.005	ND			88
Benzo[b]fluoranthene	0.005	ND			88
Benzo[k]fluoranthene	0.005	ND			176
Benzo [a]pyrene	0.005	ND			90
Indeno[1,2,3-cd]pyrene	0.005	ND			38
Dibenz[a,h]anthracene	0.005	ND			46
Benzo[g,h,i]perylene	0.005	ND			42

	% RECOVERY
Nitrobenzene-d5 SURR	56
2-Fluorobiphenyl SURR	70
Terphenyl-d14 SURR	72

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

Raland K. Tuttle

2-29-00

Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-22

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Extraction Date: 02/21/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23653	RPD	%EA	%IA
Naphthalene	0.005	ND			68
Acenaphthylene	0.005	ND			76
Acenaphthene	0.005	ND	11.94	63	78
Fluorene	0.005	ND			80
Phenanthrene	0.005	ND			86
Anthracene	0.005	ND			84
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	3.73	79	122
Benzo[a]anthracene	0.005	ND			90
Chrysene	0.005	ND			88
Benzo[b]fluoranthene	0.005	ND			88
Benzo[k]fluoranthene	0.005	ND			176
Benzo [a]pyrene	0.005	ND			90
Indeno[1,2,3-cd]pyrene	0.005	ND			38
Dibenz[a,h]anthracene	0.005	ND			46
Benzo[g,h,i]perylene	0.005	ND			42

	% RECOVERY
Nitrobenzene-d5 SURR	48
2-Fluorobiphenyl SURR	60
Terphenyl-d14 SURR	71

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K Tuttle
Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-24

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Extraction Date: 02/21/00
Analysis Date: 02/25/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23654	RPD	%EA	%IA
Naphthalene	0.005	ND			68
Acenaphthylene	0.005	ND			76
Acenaphthene	0.005	ND	11.94	63	78
Fluorene	0.005	ND			80
Phenanthrene	0.005	ND			86
Anthracene	0.005	ND			84
Fluoranthene	0.005	ND			80
Pyrene	0.005	ND	3.73	79	122
Benzo[a]anthracene	0.005	ND			90
Chrysene	0.005	ND			88
Benzo[b]fluoranthene	0.005	ND			88
Benzo[k]fluoranthene	0.005	ND			176
Benzo [a]pyrene	0.005	ND			90
Indeno[1,2,3-cd]pyrene	0.005	ND			38
Dibenz[a,h]anthracene	0.005	ND			46
Benzo[g,h,i]perylene	0.005	ND			42

	% RECOVERY
Nitrobenzene-d5 SURR	61
2-Fluorobiphenyl SURR	68
Terphenyl-d14 SURR	58

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

Raland K Tuttle

2-29-00

Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced/HNO3
Project #: EOT 1044C
Project Name: Bobe Durham
Project Location: Monument, N.M.

Sample Date: 02/17/00
Receiving Date: 02/18/00
Analysis Date: 02/24/00
Analysis Date: Hg 02/22/00

Analyte (mg/L)	MW-22 23653	MW-24 23654	MW-25 23655	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	8.450	11.33	7.540	0.0500	102	106	<0.0500	3.34
Arsenic	0.0060	0.0090	0.0060	0.0500	104	108	<0.0050	0.00
Barium	0.2930	0.2760	0.2000	0.0100	100	103	<0.0100	2.88
Beryllium	ND	ND	ND	0.0040	108	110	<0.0040	1.83
Cadmium	0.0030	0.0030	0.0030	0.0010	106	106	<0.0010	1.87
Calcium	254.0	337.0	392.0	1.000	95	*	<1.000	0.00
Chromium	0.0220	0.0210	0.0210	0.0050	98	102	<0.0050	2.49
Cobalt	ND	ND	ND	0.0200	101	104	<0.0200	2.52
Copper	ND	0.0100	ND	0.0100	100	105	<0.0100	3.09
Iron	5.630	4.680	4.660	0.0500	111	111	<0.0500	9.06
Lead	0.0050	0.0040	0.0030	0.0030	102	104	<0.0030	0.00
Magnesium	27.50	22.37	21.60	1.000	98	*	<1.000	0.25
Manganese	0.0770	0.1460	0.4830	0.0150	99	101	<0.0150	1.74
Mercury	ND	ND	ND	0.00020	101	104	<0.00020	0.00
Molybdenum	ND	ND	ND	0.050	97	100	<0.050	2.85
Nickel	0.0140	0.0160	0.0170	0.0100	101	103	<0.0100	2.50
Potassium	8.590	8.440	7.440	1.000	85	*	<1.000	0.00
Selenium	0.0080	0.0060	0.0070	0.0050	118	122	<0.0050	3.33
Silver	ND	ND	ND	0.00500	104	106	<0.0050	1.90
Sodium	107.0	75.79	67.40	1.000	110	*	<1.000	1.71
Tin	ND	ND	ND	0.0500	94	99	<0.0500	1.63
Vanadium	0.1010	0.0590	0.0610	0.0200	99	102	<0.0200	2.58
Zinc	ND	0.0600	ND	0.0200	100	106	<0.0200	3.26
Boron	0.299	0.170	0.161	0.050	103	106	<0.050	1.90
Strontium	1.18	1.09	1.06	0.050	96	103	<0.050	2.96

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced
Project #: EOT 1044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW-25

Sampling Date: 02/17/00
Receiving Date: 02/18/00
Extraction Date: 02/21/00
Analysis Date: 02/24/00

EPA SW846 8270 (mg/l)	REPORT LIMIT	ELT# 23655	RPD	%EA	%IA
Naphthalene	0.005	ND			90
Acenaphthylene	0.005	ND			94
Acenaphthene	0.005	ND	9.52	70	90
Fluorene	0.005	ND			94
Phenanthrene	0.005	ND			104
Anthracene	0.005	ND			92
Fluoranthene	0.005	ND			92
Pyrene	0.005	ND	5.63	69	88
Benzo[a]anthracene	0.005	ND			92
Chrysene	0.005	ND			92
Benzo[b]fluoranthene	0.005	ND			90
Benzo[k]fluoranthene	0.005	ND			112
Benzo [a]pyrene	0.005	ND			96
Indeno[1,2,3-cd]pyrene	0.005	ND			110
Dibenz[a,h]anthracene	0.005	ND			104
Benzo[g,h,i]perylene	0.005	ND			110

	% RECOVERY
Nitrobenzene-d5 SURR	70
2-Fluorobiphenyl SURR	88
Terphenyl-d14 SURR	75

ND= NOT DETECTED

Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

2-29-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/Iced/HNO3
Project #: EOT 1044C
Project Name: Bobe Durham
Project Location: Monument, N.M.

Sample Date: 02/17/00
Receiving Date: 02/18/00
Analysis Date: 02/24/00
Analysis Date: Hg 02/22/00

Analyte (mg/L)	MW-17 23650	MW-18 23651	MW-19 23652	Reporting Limit	%IA	%EA	BLANK	RPD
Aluminum	9.770	7.240	19.70	0.0500	102	106	<0.0500	3.34
Arsenic	0.0070	0.0080	0.0100	0.0500	104	108	<0.0050	0.00
Barium	0.2180	0.3100	0.3180	0.0100	100	103	<0.0100	2.88
Beryllium	ND	ND	ND	0.0040	108	110	<0.0040	1.83
Cadmium	0.0030	0.0040	0.0040	0.0010	106	106	<0.0010	1.87
Calcium	436.0	704.8	652.8	1.000	95	*	<1.000	0.00
Chromium	0.0180	0.0170	0.0340	0.0050	98	102	<0.0050	2.49
Cobalt	ND	ND	ND	0.0200	101	104	<0.0200	2.52
Copper	0.0110	0.0160	0.0170	0.0100	100	105	<0.0100	3.09
Iron	4.650	1.540	12.13	0.0500	111	111	<0.0500	9.06
Lead	0.0090	0.0070	0.0120	0.0030	102	104	<0.0030	0.00
Magnesium	31.98	32.16	28.40	1.000	98	*	<1.000	0.25
Manganese	0.2620	0.7480	0.3990	0.0150	99	101	<0.0150	1.74
Mercury	ND	ND	ND	0.00020	101	104	<0.00020	0.00
Molybdenum	ND	ND	ND	0.050	97	100	<0.050	2.85
Nickel	0.0160	0.0180	0.0240	0.0100	101	103	<0.0100	2.50
Potassium	9.850	10.10	12.45	1.000	85	*	<1.000	0.00
Selenium	0.0100	0.0100	0.0090	0.0050	118	122	<0.0050	3.33
Silver	ND	ND	ND	0.00500	104	106	<0.0050	1.90
Sodium	132.0	147.0	68.36	1.000	110	*	<1.000	1.71
Tin	ND	ND	0.0540	0.0500	94	99	<0.0500	1.63
Vanadium	0.0700	0.0600	0.1390	0.0200	99	102	<0.0200	2.58
Zinc	0.0430	0.0340	0.0510	0.0200	100	106	<0.0200	3.26
Boron	0.319	0.365	0.167	0.050	103	106	<0.050	1.90
Strontium	1.68	1.99	1.58	0.050	96	103	<0.050	2.96

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

2-29-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 083

Project Manager: Jesse Taylor

Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI P.O. BOX 4845 MIDLAND TX 79704

Project #: EOT 1044C

Project Name: BOB DURHAM

Project Location: MONUMENT NM

Sampler Signature: Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE (2000)	TIME	BTEX 8020/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS 160.1	RCI	ANIONS (300.0)	CATIONS (6010) SM 4500(Ca)	PAH (8100) or 8270	HEAVY METALS ICP Scan (6010)
23650	MW 17	5	2.5 L	X					X	X	X			2-17	1315	X						X		X	X	X	X
23651	MW 18														1235												
23652	MW 19														1142												
23653	MW 22														1207												
23654	MW 24														1123												
23655	MW 25														1100												

Relinquished by:	Date:	Time:	Received by:
Simon Casas	2-17-00	1500	[signature]
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:
	02-18-00	0800	J. McMurrey

REMARKS: F.R.: KEN DUTTON

TRANSFER: ENVIRO FROST [illegible]

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/Iced/HNO3/ 32 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sample Date: 06/09/00
Receiving Date: 06/10/00
Analysis Date: 06/19/00
Analysis Date: Hg 06/15/00

Analyte (mg/L)	MW 20 26584	MW 21 26585	MW 26 26589	MW 27 26590	Report Limit	%IA	%EA	BLANK	RPD
Aluminum	42.6	8.40	0.914	19.5	0.0500	96	N/A	<0.0500	2.79
Arsenic	0.0150	ND	ND	0.0070	0.0050	94	112	<0.0050	0.00
Barium	0.4450	0.2690	0.0950	0.5360	0.0100	98	105	<0.0100	0.91
Beryllium	0.0040	ND	ND	ND	0.0040	104	108	<0.0040	0.00
Cadmium	0.0040	0.0020	ND	0.0020	0.0010	100	102	<0.0010	1.98
Calcium	439.0	184.0	194.0	489.0	1.000	100	N/A	<1.000	1.02
Chromium	0.0650	0.0150	ND	0.0330	0.0050	96	102	<0.0050	0.98
Cobalt	0.0220	ND	ND	ND	0.0200	100	101	<0.0200	1.39
Copper	0.0400	0.0110	ND	0.0130	0.0100	99	109	<0.0100	1.10
Iron	29.00	5.810	0.5460	10.60	0.0500	103	N/A	<0.0500	2.99
Lead	0.0210	ND	ND	0.0100	0.0030	92	102	<0.0030	1.94
Magnesium	64.00	26.00	32.00	35.00	1.000	97	N/A	<1.000	0.56
Manganese	0.4700	0.2700	0.0810	0.4390	0.0150	93	98	<0.0150	1.05
Mercury	0.003	ND	0.003	ND	0.002	98	98	<0.002	2.02
Molybdenum	ND	ND	ND	ND	0.050	88	89	<0.050	1.36
Nickel	0.0360	0.0150	ND	0.0250	0.0100	101	102	<0.0100	1.18
Potassium	18.90	6.520	7.280	12.40	1.000	84	N/A	<1.000	0.71
Selenium	ND	ND	ND	ND	0.0050	100	116	<0.0050	1.74
Silver	ND	ND	ND	ND	0.00500	96	90	<0.0050	0.00
Sodium	106.0	72.50	161.0	143.0	1.000	104	N/A	<1.000	0.92
Tin	ND	ND	ND	ND	0.0500	107	112	<0.0500	1.80
Vanadium	0.1650	0.0500	0.0310	0.0930	0.0200	97	101	<0.0200	1.31
Zinc	0.1010	0.0230	0.0230	0.0350	0.0200	104	110	<0.0200	1.06
Boron	0.234	0.162	0.254	0.300	0.050	109	115	<0.050	0.00
Strontium	1.40	1.02	1.27	1.47	0.050	97	99	<0.050	0.00

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle — Date: 6-28-00

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 32 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: 06/09/00
Receiving Date: 06/10/00
Analysis Date: See Below

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
26584	MW 20	130.7	106	0	360	783
26585	MW 21	81.2	81	0	366	694
26589	MW 26	158.8	177	0	280	855
26590	MW 27	164.5	112	0	286	792
	QUALITY CONTROL	56.8	5495	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	114	110	*	*	*
	ANALYSIS DATE	06/27/00	06/16/00	06/23/00	06/23/00	06/16/00

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

6-27-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

SampleType: Water
Sample Condition: Intact/ Iced/HCl/ 32 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: 06/09/00
Receiving Date: 06/10/00
Analysis Date: 06/13/00

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
26574	MW 3	0.433	0.016	0.119	0.095	0.056
26575	MW 9	0.078	0.002	0.002	0.002	0.001
26576	MW 10	<0.001	<0.001	<0.001	<0.001	0.001
26577	MW 11	0.006	<0.001	<0.001	<0.001	<0.001
26578	MW 13	0.777	0.007	0.059	0.044	0.010
26579	MW 14	0.003	<0.001	<0.001	<0.001	<0.001
26580	MW 15	0.010	<0.001	<0.001	<0.001	<0.001
26581	MW 17	<0.001	<0.001	<0.001	<0.001	<0.001
26582	MW 18	<0.001	<0.001	<0.001	<0.001	<0.001
26583	MW 19	<0.001	<0.001	<0.001	<0.001	<0.001
26584	MW 20	0.004	0.001	0.001	0.003	<0.001
26585	MW 21	0.001	0.001	0.001	0.002	0.001
26586	MW 22	<0.001	<0.001	<0.001	<0.001	<0.001
26587	MW 24	<0.001	<0.001	<0.001	<0.001	<0.001
26588	MW 25	<0.001	<0.001	<0.001	<0.001	<0.001
26589	MW 26	<0.001	<0.001	<0.001	<0.001	<0.001
26590	MW 27	<0.001	<0.001	<0.001	<0.001	<0.001
	% IA	90	87	89	96	88
	% EA	92	90	90	97	89
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8021B,5030

Umesh Rao
Umesh Rao, Ph. D.

6/16/00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced/ 32 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW 20

Sampling Date: 06/09/00
Receiving Date: 06/10/00
Analysis Date: 06/13/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 26584	RPD	%EA	%DEV
Naphthalene	0.005	ND			-5.9
Acenaphthylene	0.005	ND			0.8
Acenaphthene	0.005	ND	5	102	1.7
Fluorene	0.005	ND			2.1
Phenanthrene	0.005	ND			0.7
Anthracene	0.005	ND			-1.7
Fluoranthene	0.005	ND			-2.0
Pyrene	0.005	ND	19	103	3.4
Benzo[a]anthracene	0.005	ND			4.6
Chrysene	0.005	ND			4.0
Benzo[b]fluoranthene	0.005	ND			12.7
Benzo[k]fluoranthene	0.005	ND			10.5
Benzo [a]pyrene	0.005	ND			6.4
Indeno[1,2,3-cd]pyrene	0.005	ND			8.8
Dibenz[a,h]anthracene	0.005	ND			7.0
Benzo[g,h,i]perylene	0.005	ND			10.6

	% RECOVERY
Nitrobenzene-d5 SURR	117
2-Fluorobiphenyl SURR	125
p-Terphenyl-d14 SURR	130

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

6-28-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced/ 32 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW 21

Sampling Date: 06/09/00
Receiving Date: 06/10/00
Analysis Date: 06/13/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 26585	RPD	%EA	%DEV
Naphthalene	0.005	ND			-5.9
Acenaphthylene	0.005	ND			0.8
Acenaphthene	0.005	ND	5	102	1.7
Fluorene	0.005	ND			2.1
Phenanthrene	0.005	ND			0.7
Anthracene	0.005	ND			-1.7
Fluoranthene	0.005	ND			-2.0
Pyrene	0.005	ND	19	103	3.4
Benzo[a]anthracene	0.005	ND			4.6
Chrysene	0.005	ND			4.0
Benzo[b]fluoranthene	0.005	ND			12.7
Benzo[k]fluoranthene	0.005	ND			10.5
Benzo [a]pyrene	0.005	ND			6.4
Indeno[1,2,3-cd]pyrene	0.005	ND			8.8
Dibenz[a,h]anthracene	0.005	ND			7.0
Benzo[g,h,i]perylene	0.005	ND			10.6

	% RECOVERY
Nitrobenzene-d5 SURR	111
2-Fluorobiphenyl SURR	121
p-Terphenyl-d14 SURR	139

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

6-28-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced/ 32 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW 26

Sampling Date: 06/09/00
Receiving Date: 06/10/00
Analysis Date: 06/13/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 26589	RPD	%EA	%DEV
Naphthalene	0.005	ND			-5.9
Acenaphthylene	0.005	ND			0.8
Acenaphthene	0.005	ND	5	102	1.7
Fluorene	0.005	ND			2.1
Phenanthrene	0.005	ND			0.7
Anthracene	0.005	ND			-1.7
Fluoranthene	0.005	ND			-2.0
Pyrene	0.005	ND	19	103	3.4
Benzo[a]anthracene	0.005	ND			4.6
Chrysene	0.005	ND			4.0
Benzo[b]fluoranthene	0.005	ND			12.7
Benzo[k]fluoranthene	0.005	ND			10.5
Benzo [a]pyrene	0.005	ND			6.4
Indeno[1,2,3-cd]pyrene	0.005	ND			8.8
Dibenz[a,h]anthracene	0.005	ND			7.0
Benzo[g,h,i]perylene	0.005	ND			10.6

	% RECOVERY
Nitrobenzene-d5 SURR	101
2-Fluorobiphenyl SURR	123
p-Terphenyl-d14 SURR	134

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

6-28-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

Sample Type: Water
Sample Condition: Intact/ Iced/ 32 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW 27

Sampling Date: 06/09/00
Receiving Date: 06/10/00
Analysis Date: 06/13/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 26590	RPD	%EA	%DEV
Naphthalene	0.005	ND			-5.9
Acenaphthylene	0.005	ND			0.8
Acenaphthene	0.005	ND	5	102	1.7
Fluorene	0.005	ND			2.1
Phenanthrene	0.005	ND			0.7
Anthracene	0.005	ND			-1.7
Fluoranthene	0.005	ND			-2.0
Pyrene	0.005	ND	19	103	3.4
Benzo[a]anthracene	0.005	ND			4.6
Chrysene	0.005	ND			4.0
Benzo[b]fluoranthene	0.005	ND			12.7
Benzo[k]fluoranthene	0.005	ND			10.5
Benzo [a]pyrene	0.005	ND			6.4
Indeno[1,2,3-cd]pyrene	0.005	ND			8.8
Dibenz[a,h]anthracene	0.005	ND			7.0
Benzo[g,h,i]perylene	0.005	ND			10.6

	% RECOVERY
Nitrobenzene-d5 SURR	100
2-Fluorobiphenyl SURR	125
p-Terphenyl-d14 SURR	135

ND= not detected at report limit
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

6-28-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

1062

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 158

Project Manager: JESSE TAYLOR
Phone #: (505) 392-8731
FAX #: (505) 392-3760

Company Name & Address: ETGT
P.O. BOX 4845 MIDLAND TX 79704

Project #: EOT 2044C
Project Name: BOB DURHAM

Project Location: MONUMENT, NM
Sampler Signature: Jesus Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/8260	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS 160.1	RCI	PAH 8100	CATIONS 6010	ANIONS 300.0	HEAVY METALS 6010
26574	MW 3	2	V	X					X		X			6-9	1248	X											
26575	MW 9														1345												
26576	MW 10														1311												
26577	MW 11														1325												
26578	MW 13														1316												
26579	MW 14														1340												
26580	MW 15														1332												
26581	MW 17														1058												
26582	MW 18														1036												
26583	MW 19														0917												
26584	MW 20	5	V,5							X					0957							X		X	X	X	X

Relinquished by:	Date:	Time:	Received by:
Jesus Casas	6-9-00	1100	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS
FAX RESULTS: HOBBS OFFICE
32 OF
INVOICE: EOT 10SM

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

282

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 158

Project Manager: JESSE TAYLOR

Phone #: (505) 392-8731
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. Box 4625 MIDLAND TX 79704

Project #: EOT 2044C

Project Name: BOB DURHAM

Project Location: MONUMENT NM

Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021/8260	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS 160.1	RCI	PAH 8100	CATIONS 6010	Anions 300.0	HEAVY METALS 6010
26SBS	MW 21	5	VLS	X					X	X	X			6-9	0930	X						X		X	X	X	X
26SB6	MW 22	2	V						X						1005												
26SB7	MW 24	2	↓												1018												
26SB8	MW 25	2	↓												1026												
26SB9	MW 26	5	VLS							X					1240							X		X	X	X	X
26S90	MW 27	5	↓	↓					↓	↓	↓			↓	1130	↓						↓		↓	↓	↓	↓

Relinquished by:	Date:	Time:	Received by:
Duncan Cases	16 Jun 06	1400	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

FAX RESULTS: HOBBS OFFICE
32 OF

INVOICE: EOTT 10SM

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 34 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sampling Date: 07/13/00
Receiving Date: 07/14/00
Analysis Date: See Below

ELT#	FIELD CODE	Sulfate mg/L	Chloride mg/L	Carbonate mg/L	Bicarbonate mg/L	TDS mg/L
28189	MW 29	308	292	0	344	1406
28190	MW 30	90	106	0	320	615
28191	MW 31	62	168	0	420	801
28192	MW 32	136	97	0	323	676
28193	MW 33	199	118	0	332	796
28194	MW 34	212	142	0	293	825
28195	MW 35	175	102	0	273	645
28196	MW 36	168	97	0	267	646
	QUALITY CONTROL	47.7	5406	*	*	*
	TRUE VALUE	50.0	5000	*	*	*
	% PRECISION	95	108	*	*	*
	ANALYSIS DATE	07/19/00	07/18/00	7/18/00	07/18/00	07/19/00

METHODS: EPA 375.4, 325.3, 310, 160.1

Raland K. Tuttle

7-27-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/Iced/HNO3/ 34 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sample Date: 07/13/00
Receiving Date: 07/14/00
Analysis Date: 07/25/00
Analysis Date: Hg 07/26/00

Analyte (mg/L)	MW29 28189	MW30 28190	MW31 28191	MW31 28192	Report Limit	%IA	%EA	BLANK	RPD
Aluminum	85.5	7.65	1.18	18.2	0.0500	96	101	<0.0500	4.04
Arsenic	0.0300	0.0050	ND	0.0140	0.0050	100	104	<0.0050	1.90
Barium	1.460	0.2360	0.4020	0.3830	0.0100	100	109	<0.0100	2.54
Beryllium	ND	ND	ND	ND	0.0040	96	102	<0.0040	1.98
Cadmium	ND	ND	ND	ND	0.0010	100	108	<0.0010	1.87
Calcium	1460	178.0	160.0	224.0	1.000	94	N/A	<1.000	3.12
Chromium	0.1110	0.0080	ND	0.0130	0.0050	94	104	<0.0050	2.93
Cobalt	0.0320	ND	ND	ND	0.0200	94	100	<0.0200	2.63
Copper	0.0260	ND	ND	ND	0.0100	98	110	<0.0100	3.31
Iron	46.80	3.380	1.050	9.120	0.0500	104	108	<0.0500	4.65
Lead	0.0120	0.0060	ND	0.0100	0.0030	98	106	<0.0030	1.90
Magnesium	122.0	24.30	36.00	31.80	1.000	97	N/A	<1.000	3.39
Manganese	0.8960	0.0890	0.0900	0.6140	0.0150	94	99	<0.0150	2.44
Mercury	ND	ND	ND	ND	0.002	99	107	<0.002	10.70
Molybdenum	ND	ND	ND	ND	0.050	95	101	<0.050	2.19
Nickel	0.0600	0.0110	ND	0.0210	0.0100	95	103	<0.0100	2.37
Potassium	38.80	7.000	10.70	11.10	1.000	84	N/A	<1.000	4.98
Selenium	0.0100	ND	ND	ND	0.0050	106	112	<0.0050	5.50
Silver	ND	ND	ND	ND	0.00500	82	98	<0.0050	10.75
Sodium	299.0	104.0	111.0	83.20	1.000	81	N/A	<1.000	7.00
Tin	0.0530	ND	ND	ND	0.0500	97	104	<0.0500	2.44
Vanadium	0.2480	0.0310	ND	0.0460	0.0200	91	98	<0.0200	2.90
Zinc	0.2450	0.0400	ND	0.0420	0.0200	101	108	<0.0200	2.25
Boron	0.599	0.248	0.274	0.202	0.050	106	118	<0.050	2.13
Strontium	4.13	1.21	1.64	1.36	0.050	102	109	<0.050	2.08

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

7-27-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/Iced/HNO3/ 34 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.

Sample Date: 07/13/00
Receiving Date: 07/14/00
Analysis Date: 07/25/00
Analysis Date: Hg 07/26/00

Analyte (mg/L)	MW33 28193	MW34 28194	MW35 28195	MW36 28196	Report Limit	%IA	%EA	BLANK	RPD
Aluminum	36.6	9.66	19.7	13.2	0.0500	96	101	<0.0500	4.04
Arsenic	0.0120	0.0070	0.0160	0.0130	0.0050	100	104	<0.0050	1.90
Barium	0.5010	0.1510	0.4470	0.3180	0.0100	100	109	<0.0100	2.54
Beryllium	ND	ND	ND	ND	0.0040	96	102	<0.0040	1.98
Cadmium	ND	ND	ND	ND	0.0010	100	108	<0.0010	1.87
Calcium	409.0	246.0	858.0	1010	1.000	94	N/A	<1.000	3.12
Chromium	0.0350	0.0110	0.0290	0.0190	0.0050	94	104	<0.0050	2.93
Cobalt	ND	ND	ND	ND	0.0200	94	100	<0.0200	2.63
Copper	0.0100	ND	0.0180	ND	0.0100	98	110	<0.0100	3.31
Iron	19.20	6.550	11.30	8.230	0.0500	104	108	<0.0500	4.65
Lead	0.0150	0.0040	0.0800	ND	0.0030	98	106	<0.0030	1.90
Magnesium	40.90	34.50	42.30	34.30	1.000	97	N/A	<1.000	3.39
Manganese	0.6120	0.1980	0.3680	0.4330	0.0150	94	99	<0.0150	2.44
Mercury	ND	ND	ND	0.003	0.002	99	107	<0.002	10.70
Molybdenum	ND	ND	ND	ND	0.050	95	101	<0.050	2.19
Nickel	0.0230	0.0120	0.0140	0.0130	0.0100	95	103	<0.0100	2.37
Potassium	15.50	10.70	10.10	9.730	1.000	84	N/A	<1.000	4.98
Selenium	ND	0.0060	ND	ND	0.0050	106	112	<0.0050	5.50
Silver	ND	0.00600	ND	ND	0.00500	82	98	<0.0050	10.75
Sodium	140.0	158.0	111.0	110.0	1.000	81	N/A	<1.000	7.00
Tin	ND	ND	ND	ND	0.0500	97	104	<0.0500	2.44
Vanadium	0.0960	0.0370	0.0880	0.0720	0.0200	91	98	<0.0200	2.90
Zinc	0.0520	0.0750	0.0470	0.0340	0.0200	101	108	<0.0200	2.25
Boron	0.354	0.390	0.266	0.255	0.050	106	118	<0.050	2.13
Strontium	1.56	1.42	1.99	1.67	0.050	102	109	<0.050	2.08

ND = Below Reporting Limit
METHOD: EPA SW846-6010B, 7470

Raland K. Tuttle

7-27-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 34 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW 30

Sampling Date: 07/13/00
Receiving Date: 07/14/00
Analysis Date: 07/14/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 28190	RPD	%EA	%DEV
Naphthalene	0.005	ND			2.1
Acenaphthylene	0.005	ND			1.8
Acenaphthene	0.005	ND	19	106	-5.4
Fluorene	0.005	ND			4.0
Phenanthrene	0.005	ND			2.5
Anthracene	0.005	ND			1.1
Fluoranthene	0.005	ND			8.8
Pyrene	0.005	ND	21	84	-4.4
Benzo[a]anthracene	0.005	ND			-2.8
Chrysene	0.005	ND			2.3
Benzo[b]fluoranthene	0.005	ND			-5.2
Benzo[k]fluoranthene	0.005	ND			9.2
Benzo [a]pyrene	0.005	ND			0.8
Indeno[1,2,3-cd]pyrene	0.005	ND			15.4
Dibenz[a,h]anthracene	0.005	ND			12.9
Benzo[g,h,i]perylene	0.005	ND			23.4#

	% RECOVERY
Nitrobenzene-d5 SURR	35
2-Fluorobiphenyl SURR	49
p-Terphenyl-d14 SURR	28

ND= not detected at report limit
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle — Date: 7-27-00

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 34 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW 31

Sampling Date: 07/13/00
Receiving Date: 07/14/00
Analysis Date: 07/14/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 28191	RPD	%EA	%DEV
Naphthalene	0.005	ND			2.1
Acenaphthylene	0.005	ND			1.8
Acenaphthene	0.005	ND	19	106	-5.4
Fluorene	0.005	ND			4.0
Phenanthrene	0.005	ND			2.5
Anthracene	0.005	ND			1.1
Fluoranthene	0.005	ND			8.8
Pyrene	0.005	ND	21	84	-4.4
Benzo[a]anthracene	0.005	ND			-2.8
Chrysene	0.005	ND			2.3
Benzo[b]fluoranthene	0.005	ND			-5.2
Benzo[k]fluoranthene	0.005	ND			9.2
Benzo [a]pyrene	0.005	ND			0.8
Indeno[1,2,3-cd]pyrene	0.005	ND			15.4
Dibenz[a,h]anthracene	0.005	ND			12.9
Benzo[g,h,i]perylene	0.005	ND			23.4#

	% RECOVERY
Nitrobenzene-d5 SURR	61
2-Fluorobiphenyl SURR	69
p-Terphenyl-d14 SURR	56

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

7-27-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 34 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW 32

Sampling Date: 07/13/00
Receiving Date: 07/14/00
Analysis Date: 07/14/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 28192	RPD	%EA	%DEV
Naphthalene	0.005	ND			2.1
Acenaphthylene	0.005	ND			1.8
Acenaphthene	0.005	ND	19	106	-5.4
Fluorene	0.005	ND			4.0
Phenanthrene	0.005	ND			2.5
Anthracene	0.005	ND			1.1
Fluoranthene	0.005	ND			8.8
Pyrene	0.005	ND	21	84	-4.4
Benzo[a]anthracene	0.005	ND			-2.8
Chrysene	0.005	ND			2.3
Benzo[b]fluoranthene	0.005	ND			-5.2
Benzo[k]fluoranthene	0.005	ND			9.2
Benzo [a]pyrene	0.005	ND			0.8
Indeno[1,2,3-cd]pyrene	0.005	ND			15.4
Dibenz[a,h]anthracene	0.005	ND			12.9
Benzo[g,h,i]perylene	0.005	ND			23.4#

	% RECOVERY
Nitrobenzene-d5 SURR	71
2-Fluorobiphenyl SURR	80
p-Terphenyl-d14 SURR	54

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

7-27-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 34 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW 33

Sampling Date: 07/13/00
Receiving Date: 07/14/00
Analysis Date: 07/14/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 28193	RPD	%EA	%DEV
Naphthalene	0.005	ND			2.1
Acenaphthylene	0.005	ND			1.8
Acenaphthene	0.005	ND	19	106	-5.4
Fluorene	0.005	ND			4.0
Phenanthrene	0.005	ND			2.5
Anthracene	0.005	ND			1.1
Fluoranthene	0.005	ND			8.8
Pyrene	0.005	ND	21	84	-4.4
Benzo[a]anthracene	0.005	ND			-2.8
Chrysene	0.005	ND			2.3
Benzo[b]fluoranthene	0.005	ND			-5.2
Benzo[k]fluoranthene	0.005	ND			9.2
Benzo [a]pyrene	0.005	ND			0.8
Indeno[1,2,3-cd]pyrene	0.005	ND			15.4
Dibenz[a,h]anthracene	0.005	ND			12.9
Benzo[g,h,i]perylene	0.005	ND			23.4#

	% RECOVERY
Nitrobenzene-d5 SURR	37
2-Fluorobiphenyl SURR	53
p-Terphenyl-d14 SURR	48

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

7-27-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 34 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW 34

Sampling Date: 07/13/00
Receiving Date: 07/14/00
Analysis Date: 07/14/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 28194	RPD	%EA	%DEV
Naphthalene	0.005	ND			2.1
Acenaphthylene	0.005	ND			1.8
Acenaphthene	0.005	ND	19	106	-5.4
Fluorene	0.005	ND			4.0
Phenanthrene	0.005	ND			2.5
Anthracene	0.005	ND			1.1
Fluoranthene	0.005	ND			8.8
Pyrene	0.005	ND	21	84	-4.4
Benzo[a]anthracene	0.005	ND			-2.8
Chrysene	0.005	ND			2.3
Benzo[b]fluoranthene	0.005	ND			-5.2
Benzo[k]fluoranthene	0.005	ND			9.2
Benzo [a]pyrene	0.005	ND			0.8
Indeno[1,2,3-cd]pyrene	0.005	ND			15.4
Dibenz[a,h]anthracene	0.005	ND			12.9
Benzo[g,h,i]perylene	0.005	ND			23.4#

	% RECOVERY
Nitrobenzene-d5 SURR	62
2-Fluorobiphenyl SURR	73
p-Terphenyl-d14 SURR	74

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510

Raland K Tuttle

7-27-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 34 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW 35

Sampling Date: 07/13/00
Receiving Date: 07/14/00
Analysis Date: 07/14/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 28195	RPD	%EA	%DEV
Naphthalene	0.005	ND			2.1
Acenaphthylene	0.005	ND			1.8
Acenaphthene	0.005	ND	19	106	-5.4
Fluorene	0.005	ND			4.0
Phenanthrene	0.005	ND			2.5
Anthracene	0.005	ND			1.1
Fluoranthene	0.005	ND			8.8
Pyrene	0.005	ND	21	84	-4.4
Benzo[a]anthracene	0.005	ND			-2.8
Chrysene	0.005	ND			2.3
Benzo[b]fluoranthene	0.005	ND			-5.2
Benzo[k]fluoranthene	0.005	ND			9.2
Benzo [a]pyrene	0.005	ND			0.8
Indeno[1,2,3-cd]pyrene	0.005	ND			15.4
Dibenz[a,h]anthracene	0.005	ND			12.9
Benzo[g,h,i]perylene	0.005	ND			23.4#

	% RECOVERY
Nitrobenzene-d5 SURR	42
2-Fluorobiphenyl SURR	56
p-Terphenyl-d14 SURR	51

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

7-27-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 915-520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ 34 deg. F
Project #: EOT 2044C
Project Name: Bob Durham
Project Location: Monument, N.M.
Field Code: MW 36

Sampling Date: 07/13/00
Receiving Date: 07/14/00
Analysis Date: 07/14/00

EPA SW846 8270 (mg/L)	REPORT LIMIT	ELT# 28196	RPD	%EA	%DEV
Naphthalene	0.005	ND			2.1
Acenaphthylene	0.005	ND			1.8
Acenaphthene	0.005	ND	19	106	-5.4
Fluorene	0.005	ND			4.0
Phenanthrene	0.005	ND			2.5
Anthracene	0.005	ND			1.1
Fluoranthene	0.005	ND			8.8
Pyrene	0.005	ND	21	84	-4.4
Benzo[a]anthracene	0.005	ND			-2.8
Chrysene	0.005	ND			2.3
Benzo[b]fluoranthene	0.005	ND			-5.2
Benzo[k]fluoranthene	0.005	ND			9.2
Benzo [a]pyrene	0.005	ND			0.8
Indeno[1,2,3-cd]pyrene	0.005	ND			15.4
Dibenz[a,h]anthracene	0.005	ND			12.9
Benzo[g,h,i]perylene	0.005	ND			23.4#

	% RECOVERY
Nitrobenzene-d5 SURR	42
2-Fluorobiphenyl SURR	49
p-Terphenyl-d14 SURR	50

ND= not detected at report limit.
Method: EPA SW 846 8270C , 3510

Raland K. Tuttle

7-27-00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC # 187

Project Manager: J. TAYLOR

Phone #: (505) 397-4882

FAX #: (505) 397-4701

Company Name & Address: ETGI, 2540 W. Marland, Hobbs, NM 88240

Project #: EOT 2044C

Project Name: BOB DURHAM

Project Location: MONUMENT NM

Sampler Signature:

ANALYSIS REQUEST

1 of 1

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	NCI	PAH EPA 8100	CATIONS EPA 6010	ANIONS EPA 300	HEAVY METALS (ICP SCAN) EPA 6010
28189	MW-29	5	125ml 40ml	X					X	X	X			7-13	1058	X						EPA 160.1		X	X	X	X
28190	MW-30													7-13	11:16												
28191	MW-31													7-13	11:42												
28192	MW-32													7-13	12:14												
28193	MW-33													7-13	2:04												
28194	MW-34													7-13	2:18												
28195	MW-35													7-13	2:47												
28196	MW-36													7-13	3:06												

Relinquished by:	Date:	Time:	Received by:
	7-14-00	12:30	
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: 7-14-00	Time: 1700	Received by Laboratory:

REMARKS: 34°

Former Marathon Tank Battery

Former Gulf Tank Battery

Bob Durham

R.L. Rodgers

Jimmy B. Cooper

LEGEND:

- Abandoned Irrigation Well Location
- Windmill Location
- Abandoned Water Well Location
- Domestic Well Location
- Monitor Well Location
- Fence

Site Map

EOTT Energy Pipeline, LP
Jimmy Cooper Jr.
Lea County, NM

Environmental Technology Group, Inc.

Scale: 1" = 160'	Prep By: JDJ	Checked By: BB
April 2, 2002	ETGI Project #: EOT2074C	