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Soils Investigation Summary Report

Oil Conservation Division
Environmental Bureau

ChevronTexaco Eunice #2 (North) Plant
Eunice, Lea County, New Mexico

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October 9, 2003



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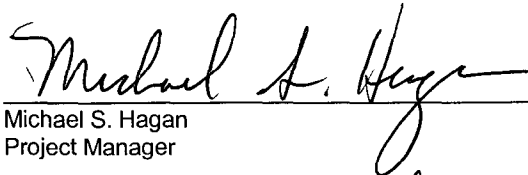
PREPARED FOR

ChevronTexaco Exploration & Production
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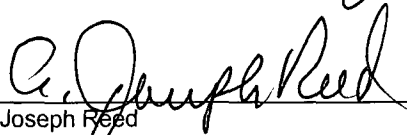
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**Soils Investigation Summary
Report**

ChevronTexaco Eunice #2 (North)
Plant
Eunice, Lea County, New Mexico

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ChevronTexaco Exploration & Production
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1.0 INTRODUCTION

The purpose of this report is to provide a comprehensive summary of the results of surface and subsurface soil investigations conducted by ARCADIS G&M, Inc. (ARCADIS) from 2001 to the present. The soil investigations were conducted on behalf of ChevronTexaco Exploration and Production, Inc. (ChevronTexaco) at the Eunice #2 (North) Gas Plant (Site), Eunice in Lea County, New Mexico.

ARCADIS began its investigations in 2001, and activities included the installation of soil borings, monitoring wells, recovery wells and injection wells. The soil borings were sampled and the samples analyzed. Groundwater investigations at this Site were also conducted by ARCADIS and the results presented under a separate cover.

Previous investigations of the soil and groundwater were conducted by another contractor. Their investigations began in 1995 and continued through 2000. The reports associated with those investigations are listed in Section 1.3, but will not be discussed in detail in this report.

1.1 Purpose and Objectives of Investigation

The purpose of this investigation was to identify and document environmental impact with respect to the following issues:

- Determine the horizontal and vertical extent of metals and hydrocarbon impact in the surface and subsurface soils associated with the Site; and
- Obtain information for the development of defining subsurface remedial options.

The objectives of the investigation have included the following field activities:

- Collection of surface and subsurface analytical data to confirm the results of analytical data collected prior to 2001;
- Delineation and identification of areas where impact to the soil has occurred beyond the boundary of the Site; and
- Collection of physical and chemical data relating to surface and subsurface impact at the site in order to screen remedial alternatives.

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1.2 Site Background and Location

A former gas plant constructed in the 1940s was operated on the Site. The Site is no longer being operated as a gas plant. It is located approximately 0.25 miles north of the town of Eunice, New Mexico, in the south $\frac{1}{2}$ (S/2) of the southeast quarter (SE/4) of the northeast quarter (NE/4) of Section 28, Township 21 South (T-21-S) Range 37 East (R-37-E) Lea County, New Mexico. The plant has been partially dismantled, and is currently being operated as a compressor station by Dynegy Midstream Services, L.P. (Dynegy). Figure 1 presents the Site location map.

1.3 Previous Soil Investigations

An environmental investigation conducted prior to the current investigation at the Site resulted in the following reports prepared by Highlander Environmental Corp. (Highlander) and submitted to the New Mexico Oil Conservation Division (NMOCD):

- *Subsurface Environmental Assessment Report, Texaco Exploration and Production Inc., Eunice #2 (North) Gas Plant- 1996.* The stated purpose of the assessment was to determine if subsurface releases of petroleum hydrocarbons to soil and groundwater had occurred from operations at the Site. The assessment consisted of installing hand auger and machine (rotary drilled) soil borings at various Site operation areas and collection of soil samples for field and laboratory testing. One monitor well (MW001) was also installed as part of an ongoing investigation to evaluate soil and groundwater conditions in the vicinity of the compressor building;
- *Final Investigation Report, Texaco Exploration and Production Inc., Eunice #2 (North) Gas Plant, Lea County, New Mexico, May 1997.* The stated purpose of this "comprehensive facility investigation" was to delineate and characterize the lateral and vertical extent of groundwater contamination identified at the Site;
- *Addendum Final Investigation Report Texaco Exploration and Production Inc., Eunice #2 (North) Gas Plant, Lea County, New Mexico, January 1998.* The stated purpose of this "additional investigation" was to delineate the extent of dissolved chromium and hydrocarbons detected in groundwater during the "comprehensive facility investigation";

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- Aerial photographs, groundwater potentiometric surface maps, and concentration isopleth maps of chloride and total dissolved solids (TDS) for the upper (shallow) and Lower (deep) portions of the aquifer. This information was submitted to the NMOCD in July 1998; and
- Final Groundwater Plume Delineation Report, Eunice #2 (North) Gas Plant, Eunice, New Mexico, March 2000. The stated purpose of the "additional investigation" was to further delineate dissolved chromium and hydrocarbon impact in the groundwater.

For the purpose of this report, all previous soil borings have been assigned new identification by ARCADIS. References between previous boring identifications and new identifications are presented in Table 1.

2. PHYSICAL CHARACTERISTICS OF THE AREA

The following sections identify the physical characteristics of the Site and surrounding area including the physiological, topographical, geological and hydrological conditions.

2.1 PHYSIOLOGY

The site lies in southern Lea County, which is located in the Pecos Valley section of the Great Plains physiographic province. The Site lies within the Eunice Plain, which is bounded by the South Plain to the south, the Rattlesnake Ridge to the east, the High Plains to the northeast, the Laguna Valley and Grama Ridge Area to the northwest, the San Simon Ridge and San Simon Swale to the west and the Antelope Ridge Area to the southwest. An estimated 80% of southern Lea County is covered by sand. Shin oak, bear grass, and bur-grass dominate the areas of sand cover. Elsewhere, the vegetation is grama grass, bur-grass and mesquite.

2.2 TOPOGRAPHY

Monument Draw is the only major surface drainage feature in southern Lea County. The draw runs north to south slightly over two miles east of the Site. The basic topography in the area of the plant slopes gently to Monument Draw at an approximate dip of 35 feet per mile. Small closed basins or playas exist on this sloping surface. The sewage treatment plant for the town of Eunice lies approximately 4,300 feet southeast of the southeast corner of the Site and northeast of the center of Eunice.

2.3 GEOLOGY

The geologic formations of interest at the Site include from oldest to youngest, the Triassic Chinle, Cretaceous undifferentiated, Tertiary Ogallala and Quaternary alluvium, designated the Blackwater Draw formation. Of particular interest with regard to the impact of constituents of concern (COCs) released to groundwater are the Tertiary Ogallala and Quaternary Blackwater Draw.

2.3.1 Triassic Chinle Formation

The Triassic Chinle is composed of red and green claystone, with minor fine-grained sandstones and siltstones. It is found to exist under all the eastern part of southern Lea County, thinning to the west and absent in the extreme western part of the county. The Chinle forms the base of the fresh groundwater due to the formation's low vertical (and generally horizontal) permeability that impedes most vertical groundwater movement into the formation. The top of the Chinle (base of the Ogallala Aquifer) is an erosional surface that rises in elevation from west to east under the plant site. Just east of the plant, the Chinle top begins to dip to down, toward Monument Draw (See Figures 77 and 78).

2.3.2 Cretaceous Formations Undifferentiated

The Cretaceous formations, undifferentiated, have almost all been removed by erosion and are essentially nonexistent in the Site area. The only known exposure of Cretaceous rocks consists of large slump blocks of limestone in a gravel pit east of Eunice. Semi-consolidated sands and gravels of possible lower Cretaceous, the equivalent of the Paluxy sand, have been described from exposures in gravel pits east of Eunice. However, the sand and gravel sequence also has characteristics of the Tertiary Ogallala described below. The Cretaceous has not been encountered at the Site.

2.3.3 Tertiary Ogallala Formation

The lower Tertiary Ogallala Formation is composed of fluvial sediments of the Miocene-Pliocene epochs. It is a heterogeneous combination of clay, silt, sand and gravel of braided-stream deposits interbedded with, and overlain by, eolian sediments deposited as sand sheets and loess resting directly upon an erosional surface carved into the Triassic Chinle Formation under the Site (See Figures 75, 76 and 77). The fluvial sediments were deposited on a sloping plain in the form of coalescing alluvial

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fans, by streams that originated in the Rocky Mountains to the west and northwest. The Ogallala formation was deposited in laterally restricted lenses of material, predominantly medium to yellowish-gray conglomeratic sandstone and fine to medium-grained well sorted sandstone. The primary fresh water-bearing formation under and in the vicinity of the plant site is the Ogallala Formation.

In contrast to the fluvial deposition of the lower Ogallala sediments, the upper part of the Ogallala and all of the Blackwater Draw Formation overlying the Ogallala are composed of windblown (eolian) deposits. In exposures and cores described in the literature, the very fine sand facies of the upper Ogallala are thick, ranging up to 125 feet, and capped by the Caprock caliche or calcrete. The Caprock caliche marks the top of the Ogallala.

2.3.4 Quaternary Blackwater Draw Formation

The Blackwater Draw Formation occurs as a mantle of Quaternary eolian sediment locally as thick as 100 feet, covering an area of the Southern High Plains of northeastern Texas and eastern New Mexico. Throughout the depositional time of the Blackwater Draw Formation, laterally-restricted lenticular layers of eolian and playa or lacustrine facies were formed. The Blackwater Draw Formation occurs near the ground surface at the plant site and contains reddish sediments composed of up to six well-developed buried soils with similar features of lithology and morphology. The soil development occurred during periods of landscape stability, separated by intermittent periods of deposition, or by deflation that stripped surface horizons from newly developed soils.

3. INVESTIGATION METHODS AND RESULTS

Samples at the Site were collected at each location to achieve the overall Site purpose and objectives mentioned in Section 1.1. Soil samples, including both surface and subsurface samples, discussed below in Sections 3.1.1 through 3.1.7 were collected by ARCADIS personnel. These sample locations are shown in Figures 2 and 12 through 71. Tables 3 through 11 include the results of the laboratory chemical analyses conducted on the soil samples. The sampling results are discussed below.

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The comparative standards used to evaluate the results of the analyses listed for each area sampling program are as follows:

New Mexico Oil Conservation Division Recommended Remediation Action Levels (RRAL):

Benzene:	10 milligrams per kilogram (mg/kg) or parts per million (ppm)
BTEX:	50 mg/kg
TPH:	100 mg/kg

New Mexico Environment Department Soil Screening Levels – Residential (SSL-R)

Arsenic:	3.9 mg/kg
Barium:	5,200 mg/kg
Cadmium:	70 mg/kg
Chromium III:	100,000 mg/kg
Chromium VI:	230 mg/kg
Lead:	400 mg/kg
Selenium:	380 mg/kg
Silver:	380 mg/kg
Mercury:	6.5 mg/kg
Aroclor 1016:	3.9 mg/kg
Aroclor 1221:	2.2 mg/kg
Aroclor 1232:	2.2 mg/kg
Aroclor 1242:	2.2 mg/kg

Aroclor 1248: 1.1 mg/kg

Aroclor 1254: 1.1 mg/kg

Aroclor 1260: 1.1 mg/kg

3.1 Waste Oil Water Storage Area

A total of eight soil borings were drilled in the Waste Oil Water Storage area during the previous investigation. Samples were analyzed from soil samples from four of the borings, those inside of the pit itself. The other four borings were located on the outside of the pit. There were no COCs above the RRAL or SSL-R standards. Tables 2 and 3 list the analytical results. The results are also posted on Figures 3 through 11.

3.2 North Sump Area

According to "Subsurface Environmental Assessment" report (September, 1996), "The North Sump Area is located near the northeast corner of the Site, adjacent to the east fence, and consists of two sumps at this location. The sumps are constructed of concrete and metal, and the area measures approximately 10 x 50 feet. The north sump contains oil and water from compressor engines, saltwater from water treaters and blowdown water that contains phosphates and sulfides from boiler and condensates. Liquids are collected in the sumps and pumped through a single line to the waste oil and water storage area located on the west side of the Site." Soil investigations and activities conducted at the North Sump Area since the 1996 report included:

- North Sump Excavation;

The purpose of, and results for, each event are discussed in the section below.

3.2.1 North Sump Excavation

Due to the absence of past knowledge of buried structures in the vicinity of the North Sump, the perimeter of the sump area was hand excavated in order to expose all subsurface utilities. All known utilities to the sump were removed from service prior to the hand excavation.

Once all subsurface utilities were identified, all identified utilities were checked for service. A second check was conducted before the excavation continued.

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Excavation and removal of the metal sump was conducted with a backhoe. Sump removal began on the north and proceeded to the south. The volume of soils excavated was more than 740 cubic yards (cy). All excavated soils were transported to the southwest corner of the plant and stockpiled on plastic in three to four-foot-high piles. The stockpiles were periodically turned during the course of the work to promote volatilization of organic compounds.

After excavation was completed, composite samples were collected from the stockpiled wastes and analyzed for total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene, and xylene (BTEX) for waste characterization purposes. All stockpiled waste materials were found to contain BTEX and TPH concentrations exceeding regulatory action levels and were transported to the ChevronTexaco landfarm located in Lea County, New Mexico.

Soil samples were collected from the walls and bottom of the excavation and analyzed for arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver (RCRA 8 metals), TPH and BTEX. Soil samples were collected for chloride analysis on the north, center and south bottom of the excavation. The excavation south wall was sampled for RCRA 8 metals, TPH and BTEX on two separate occasions. The results of these analyses are presented in Table 4, and summarized on Figures 12 through 22.

Only three COCs were detected in the analytical data collected from the North Sump excavation. Arsenic was detected above the SSL-R standard in NS Wall N at 4.0 mg/kg. TPH was detected above the RRAL in NS Wall N, NS Wall NE, NS Wall SE, NS Wall S, NS Wall SW, NS Wall W, NS Wall NW, NS Bot. N, NS Bot.Cen, NS Bot.S. The TPH values for these samples ranged from 900 mg/kg in NS Bot.S to 8,300 mg/kg in NS Wall S. BTEX exceeded the RRAL in NS Wall S at 83.7 mg/kg.

3.2.2 North Sump Subsurface Soil Investigation

Subsurface soil borings were collected from the North Sump Area. A total of 13 borings were drilled to the depth of 45 feet below ground level (bgl). These were designated NSBH03 through NSBH15. The boring locations are shown on Figures 12 through 22. Borings NSBH03 through NSBH08 were placed 30 feet from the edge of the North Sump excavation area. NSBH09 was placed adjacent to the Drainage System Sump. Borings NSBH10 through NSBH15 were placed outside the perimeter of borings NSBH03 through NSBH09.

Samples from each boring location were collected and analyzed at 2, 10, 20, 30 and 45 feet bgl. These samples were analyzed for RCRA 8 metals, hexavalent chromium, TPH and BTEX. The results of these analyses are presented in Tables 4 and 5, and summarized on Figures 12 through 22, along with previous 1996 soil sampling results for NSBH01 and NSBH02, also located in the North Sump area.

Only three COCs exceeded the RRAL or the SSL-R standards. Arsenic was detected above the SSL-R standard in NSBH10, NSBH11, NSBH13 and NSBH15. The arsenic ranged from 7 mg/kg in NSBH10 to 9 mg/kg in NSBH11 and NSBH13 (see Figure 12 for depths associated with these values). TPH exceeded the RRAL standard in NSBH02, NSBH03, NSBH04, NSBH05, NSBH06, NSBH07, NSBH08, NSBH09, NSBH11, NSBH12, NSBH14 and NSBH15. The TPH ranged from 106 mg/kg to 23,960 mg/kg in these borings. Figure 22 shows the depths associated with these values. BTEX exceeded the RRAL standard in NSBH01 with a value of 58.1 mg/kg at a depth of 50 feet.

3.2.3 North Sump Backfill

Following the excavation of the metal tank at the North Sump location, and following limited additional soils removal from the sidewall and bottom of the excavation, the excavation was backfilled with approximately 613 tons of Vealmore Sand and 295 tons of 3/8 Grand Fall Washed River Rock. The backfill was accomplished by using a track hoe to place buckets of aggregate into the pit.

The first backfill material to be placed in the excavation was composed of Vealmore Sand. The sand was compacted in 1.5-2.0 foot lifts using the back of the track hoe bucket to apply pressure to accomplish minor mechanical compaction of the backfill. The sand was backfilled to approximately four feet bgl. A one-foot layer of gravel was then placed on top of the sand.

At this point in time, two abandoned drainage lines located in the southwest corner of the excavation were excavated approximately five feet to the west.) The lines were cut, capped and backfilled. The remaining excavation was backfilled to ground level with gravel. Approximately 50 cubic yards of caliche was placed on top of the gravel to cap the North Sump excavation.

3.3 Compressor Building Area

Samples were collected at approximately 50-foot intervals along the north and south sides of the compressor building. Attempts were made to approximate the same locations as those sampled by the previous investigators. A total of 13 hand augered borings, CBAH001 through CBAH013, were collected at 0.5, 2, 5, 10 and 15 feet, or to refusal. In addition, 4 borings, EJWS01 through EJWS04, were located around the perimeter of the engine jacket water sump located to the northeast of the compressor building. These borings were sampled at the same interval as CBAH001 through CBAH013. The boring locations are shown on Figures 23 through 33.

All samples were collected using a hand auger. Samples were analyzed from the 0.5 and 2 feet intervals for RCRA 8 metals and hexavalent chromium. All samples were sent to the laboratory for analyses of total recoverable petroleum hydrocarbon (TRPHC or TPH). Three samples were analyzed per boring location. The sample at each boring location having the highest TPH concentration was analyzed for PCBs. The results of these analyses are presented in Tables 6 and 7. The RCRA 8 metals, TPH, benzene and hexavalent chromium concentrations are summarized on Figures 23 through 33 along with previous soil sampling results from the prior 1995, 1996 and 1997 investigations for the Compressor Building Area.

In the Compressor Building Area, only two COCs exceed the RRAL or SSL-R standards. However, total chromium exceeded the hexavalent chromium SSL-R standard in four soil samples collected in the previous investigation. The hexavalent chromium was not run in the analytical suite for these samples.

Arsenic exceeded the SSL-R standard in CBAH001, CHAH010, CBAH013, ERNS and EJWS03. The arsenic ranged from 6 mg/kg in CBAH001 to 17.4 mg/kg in ERNS. The depths and values associated with the arsenic sampling in this area are shown in Figure 23. The TPH values exceeding the RRAL in the Compressor Building Area were found in samples CBAH001, CBAH002, CBAH003, CBAH004 and 4B, CBAH005, CBAH006, CBAH007, CBAH008, CBAH009, CBAH010, CBAH011, CBAH012, CBAH013 and EJWS03. The TPH ranged from 110 mg/kg in CBAH002 to 142,000 mg/kg in CBAH004. The depths for these analyses can be found on Figure 33. BTEX values exceeding the RRAL were found in CBAH003, at 2 feet. The analytical data for this area is presented in Tables 6 and 7.

3.4 Plant Perimeter and Background

Samples were collected at approximately 100-foot intervals around the entire perimeter of the facility to assess the off-site migration potential of chemicals, particularly from run-off. A visual survey of the perimeter topography identified apparent low spots. Adjustments to the horizontal spacing of the sampling locations were made to allow sampling at the center of apparently topographically low areas. A total of 50 locations were sampled (PS01 through PS50) at depths of 0.5 and 2 feet each. These locations are shown on Figures 34 through 42.

The samples were collected using Geoprobe (direct push) sampling equipment utilizing 2-foot-long, plastic-lined sampling tubes. Samples were retrieved from the tubes and divided into 0.5 and 2 feet sampling intervals for analysis. Each soil sample was described (staining, odor, etc.) and placed in a suitable sample container, labeled and sent to the laboratory. These samples were analyzed for total and hexavalent chromium concentrations. Samples from fifteen of the locations were analyzed for the remaining RCRA 8 metals.

Only arsenic was found above the SSL-R standard in the perimeter sampling. Sample locations PS08, PS12 and PS35 had arsenic ranging from 4 mg/kg (in PS12 and PS35) to 6 mg/kg (in PS08mg/kg). This arsenic data is presented in Table 8 and on Figure 34. All other perimeter sample results are presented in Table 8 and on Figures 34 through 42.

In addition, two background boreholes, BGBH-1 and BGBH-2, were collected and advanced to the depth of 30 feet. Samples were collected at 1, 5, 10, 20 and 30 feet. These samples were analyzed for RCRA 8 metals and hexavalent chromium. Samples from the depths of 2 to 4 feet were analyzed for corrosivity (pH-Solids & Wastes) and fraction organic carbon. All background analytical data was below the regulatory levels (see Table 9). The data (with the exception of corrosivity and fraction organic carbon) is also presented on Figures 34 through 42.

3.5 Southwest Drainage Area

A line of intermittent drainage appears to extend from the south-central portion of the plant facility to the southwest. Soils from this southwest drainage area, identified on a 1968 aerial photo (6S-VBWW/1-70/2-4-68), were sampled in the course of this investigation. A total of 16 borings were obtained from along the drainage channel.

The borings were designated SWBH001, 006, 009, 010, 013 through 022, SWAH002, and SWAH003. The boring locations are shown on Figures 43 through 51.

Borings were advanced with a rotary drilling rig to 20 feet. Samples were collected at 0.5 and 2 feet and analyzed for RCRA 8 metals and hexavalent chromium. Analytical results for the Southwest Drainage Area are presented in Tables 10 and 11 they are also summarized in Figures 43 through 51 along with previous sampling results (SWAH001 through SWAH003 in 1996 and 1997) for the Southwest Drainage Area.

Only one COC detected in this sampling program was above the SSL-R standard. Arsenic was detected in soil boring TPA001, SWBH001, SWBH010 and SWBH013. The arsenic ranged from 4 mg/kg in SWBH001 and SWBH010 to 10.4 mg/kg in TPA001. Arsenic concentrations and depths sampled are presented in Figure 43. All analytical data is presented in Table 10.

3.6 Cooling Tower Area

A rotary drilling rig was used to collect continuous soil samples from directly under the former cooling tower structure. Cores were collected to observe the stratigraphic section beneath the tower area and evaluate the soils for the presence of metals. A total of four borings, CTSB01 through CTSB04, were bored and sampled using a stainless steel split-spoon. The boring locations are shown on Figures 52 through 60. Samples were collected at approximately 2 feet below the concrete structure and then at 5-foot interval thereafter to 40 feet below surface or to refusal. The three samples nearest the surface in each boring location were analyzed for total and hexavalent chromium. The samples from 2 and 10 feet were analyzed for RCRA 8 metals. Additionally, the borings CTSB01 and CTSB02 were analyzed for RCRA 8 metals at 20 feet.

In addition, six borings (CTBH04 through CTBH09) were located around the perimeter of the cooling tower area. The boring locations are shown on Figures 52 through 60. Samples were collected using a hand auger. The borings were sampled at depths of 2, 5, 10 and 15 feet or refusal. All samples submitted to the laboratory were analyzed for total and hexavalent chromium. Samples collected from 2 and 5 feet were analyzed for RCRA 8 metals.

Analytical results for the Cooling Tower Area are presented in Table 12, and summarized on Figures 52 through 60 along with total chromium results from the 1997 investigation (CTBH01 through CTBH03).

Two COCs were detected above the RRAL and the SSL-R standards. Arsenic was found above the standard in CTSB01, CTSB02 and CTBH05 with a range of 4 mg/kg in CTSB02 to 34 mg/kg in CTSB01. Arsenic data is presented in Figure 52. However, it is believed that the 34 mg/kg concentration (occurring at a depth of 10 feet) is not a valid number. Arsenic concentrations above and below this interval were below the SSL-R standard. In the same sample taken at 10 feet, silver, selenium, lead and cadmium were found above detection limits. Silver, selenium and cadmium were not detected at depths above or below this interval, and with one exception were not found above detection limits anywhere else on the Site. The exception was a sample from soil at the compressor building (CBAH005) taken in 1995 with a cadmium concentration of 2.7 mg/kg.

TPH was found above the RRAL in this sampling program in one sample location, CTBH06, at depths of 10 and 15 feet. The values were 3,750 and 1,432 mg/kg respectively. Analytical data for this sampling program are shown on Table 12.

3.7 Monitoring Well and City Park Area

Subsurface soil samples were collected from soil borings and certain monitor well installations. The boring and monitor well locations are located on Figures 61 through 71. Samples collected were analyzed for RCRA 8 metals, hexavalent chromium, TPH, and BTEX.

Only one COC was found in the soil sampling at concentrations above the SSL-R in monitoring wells or at the City Park area. Arsenic was found above the SSL-R in MW034, MW047 and at Site 5 in the City Park area. Arsenic concentrations ranged from 4 mg/kg at Site 5 to 7 mg/kg in MW047. All analytical results are presented in Table 13, and the arsenic data is presented on Figure 61.

4. DISPOSITION OF WASTES

Soils generated from the excavation of the north sump and from soil borings advanced during the site-wide soils investigation were stockpiled on plastic liners. All solid wastes generated from the north sump excavation were characterized prior to disposal at the ChevronTexaco landfarm located in Lea County, New Mexico. All solid wastes generated from the soil borings and not returned to the originating boring were characterized by the samples submitted to the laboratory and disposed at the ChevronTexaco landfarm.

5. CONCLUSIONS

The soil sampling programs were conducted to evaluate several areas: the Waste Oil Water Storage area; the North Sump area; the Compressor Building area; the Plant Perimeter and Background areas; the Southwest Drainage area; the Cooling Tower area; and the Monitoring Well and City Park area. RCRA 8 metals, TPH, BTEX and PCBs were examined on selected samples in the current investigation. Volatile organic compounds, semi-volatile compounds and organochlorine pesticides were examined on a limited basis in a previous study.

The sample analyses were compared to the New Mexico Oil Conservation Division's RRAL standards and the New Mexico Environment Department's SSL-R standards. However, it should be noted that the soil samples met (for all COCs except lead shown in Tables 4, 6, 8, 10 and 13, and three barium sample values shown in Tables 6 and 13) the Dilution Attenuation Factor-20 (DAF-20) standards, protective of groundwater, listed below. In the case of lead, the background analyses for lead indicated values as high as 10 mg/kg, considerably above the DAF-20 standard of 0.020 mg/kg.

The DAF-20 standards are as follows:

Arsenic:	60 mg/kg
Barium:	800 mg/kg
Cadmium:	20 mg/kg
Chromium III:	200 mg/kg
Chromium VI:	20 mg/kg
Lead:	.02 mg/kg
Selenium:	5 mg/kg
Silver:	mg/kg
Mercury:	2 mg/kg
Aroclor 1016:	0.003 mg/kg

Aroclor 1221:	0.003 mg/kg
Aroclor 1232:	0.003 mg/kg
Aroclor 1242:	0.003 mg/kg
Aroclor 1248:	20 mg/kg
Aroclor 1254:	20 mg/kg
Aroclor 1260:	20 mg/kg

Soils at the Waste Oil Water Storage area were examined in a previous investigation, and there were no COCs detected above the RRAL or SSL-R standards.

At the North Sump and at the Compressor Building areas, TPH, BTEX and arsenic were detected above the RRAL and SSL-R standards.

In the Plant Perimeter, Background, Southwest Drainage, Monitoring Well and City Park areas, the only COC exceeding the SSL-R standard was arsenic.

TPH and arsenic exceeded the RRAL and SSL-R standards at the Cooling Tower area.

In addition to the above, it is believed that the arsenic, silver, selenium, lead and cadmium values found at a depth of 10 feet in CTSB01 are not valid concentrations. Arsenic concentrations above and below this interval were below the SSL-R standard. In the same sample taken at 10 feet, silver, selenium, lead, and cadmium were found above detection limits. Silver, selenium and cadmium were not detected at depths above or below this interval, and with one exception were not found above detection limits anywhere else on the Site. The exception was a sample from soil at the compressor building (CBAH005) taken in 1995 with a cadmium concentration of 2.7 mg/kg.

ARCADIS

Table 1
Cross Reference Summary
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico

ARCADIS Identification	Highlander Identification
CBAH001	AH-1
CBAH002	AH-2
CBAH003	AH-3
CBAH004	AH-4
CBAH004A	AH-4A
CBAH004B	AH-4B
CBAH005	AH-5 / AH-5-2
CBAH005A	AH-5-1
CBAH005B	AH-5-3
CBAH005C	AH-5-4
CBAH005D	AH-5-5
CBAH006	AH-6
CBAH006A	AH-6A
CBAH006B	AH-6B
CBAH007	AH-7
CBAH007B	AH-7B
CBAH008	AH-8
CBAH009	AH-9
CBAH009A	AH-9A
CBAH010	AH-10
CBAH010B	AH-10B
CBAH011	AH-11
CBAH011A	AH-11A
CBAH012	AH-12
CBAH013	AH-13
CTBH01	BH-1
CTBH02	BH-2
CTBH03	BH-3
ERNS	AH-1
ERSS	AH-1
MW001	MW-1
MW002	MW-2
MW003	MW-3
MW004	MW-4
MW005	MW-5
MW006	MW-6
MW007	MW-7
MW007A	MW-7A
NSBH01	BH-1
NSBH02	BH-2
SWAH001	AH-1
SWAH002	AH-2
SWAH003	AH-3
SWBH001	BH-1
SWBH002	BH-2
SWBH003	BH-3

ARCADIS

Table 1
Cross Reference Summary
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico

ARCADIS Identification	Highlander Identification
SWBH004	BH-4
SWBH005	BH-5
SWBH006	BH-6
SWBH007	BH-7
SWBH008	BH-8
SWBH009	BH-9
SWBH010	BH-10
SWBH011	BH-11
SWBH012	BH-12
TPA001	AH-1
WOWSBH01	BH-1
WOWSBH02	BH-2
WOWSBH03	BH-3
WOWSBH04	BH-4
WOWSBH05	BH-5
WOWSBH06	BH-6
WOWSBH07	BH-7
WOWSBH08	BH-8

ARCADIS

Table 2
Waste Oil Water Storage Area Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Waste Oil Water Storage Boreholes						
Station Name	WOWSBH05	WOWSBH05	WOWSBH06	WOWSBH06	WOWSBH07	WOWSBH08	WOWSBH08
Sample Collection Date	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/25/1996
Depth (feet)	5	35	5	40	35	25	5
Arsenic	<10		<10				<10
Barium	170		170				210
Cadmium	<2		<2				<2
Chromium (Total)	<5		<5				<5
Lead	<10		<10				<10
Mercury	<0.25		<0.25				<0.25
Selenium	<10		<10				<10
Silver	<0.5		<0.5				<0.5
Benzene	<0.5	<0.05	1.31	<0.05	<0.05	<0.05	0.384
Ethylbenzene	12.5	<0.05		<0.05	<0.05	<0.05	1.46
Toluene	0.663	<0.05	<0.1	<0.05	<0.05	<0.05	<0.1
Xylenes (total)		<0.05		<0.05	<0.05	<0.05	

Table 3
Waste Oil Water Storage Area Secondary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

ARCADIS

Sample Grouping	Waste Oil Water Storage Boreholes						
	WOWSBH05	WOWSBH05	WOWSBH06	WOWSBH06	WOWSBH07	WOWSBH08	WOWSBH08
Station Name	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/25/1996
Sample Collection Date	5	35	5	40	35	25	5
Depth (feet)							
Volatile Organic Compound							
1,1,1-Trichloroethane	<0.5		<0.1				<0.1
1,1,2,2-Tetrachloroethane	<0.5		<0.1				<0.1
1,1,2-Trichloroethane	<0.5						<0.1
1,1-Dichloroethane	<0.5		<0.1				<0.1
1,2,4,5-Tetrachlorobenzene	<2.5		<2.5				<2.5
1,2,4-Trichlorobenzene	<2.5		<2.5				<2.5
1,2-Dichlorobenzene	<2.5		<2.5				<2.5
1,2-Dichloroethane	<0.5		<0.1				<0.1
1,2-Dichloropropane	<0.5		<0.1				<0.1
1,3-Dichlorobenzene	<2.5		<2.5				<2.5
1,4-Dichlorobenzene	<2.5		<2.5				<2.5
2,3,4,6-Tetrachlorophenol	<12.5		<12.5				<12.5
2-Butanone (MEK)	<25		<5				<5
2-Hexanone	<25		<5				<5
2-Naphthylamine	<12.5		<12.5				<12.5
Bromodichloromethane	<0.5		<0.1				<0.1
Bromoform	<0.5		<0.1				<0.1
Bromomethane	<2.5		<0.5				<0.5
Carbon disulfide	<0.5		<0.1				<0.1
Carbon tetrachloride	<0.5		<0.1				<0.1
Chlorobenzene	<0.5		<0.1				<0.1
Chloroethane	<0.5		<0.1				<0.1
Chloroform	<0.5		<0.1				<0.1
Chloromethane	<0.1		<0.1				<0.1
cis-1,3-Dichloropropene	<0.5		<0.1				<0.1
Dibromochloromethane	<0.5		<0.1				<0.1
Dichlorodifluoromethane	<0.5		<0.1				<0.1
Iodomethane	<2.5		<0.5				<0.5
m,p-Cresol	<2.5		<2.5				<2.5
m,p-Xylene	9.78		14.7				941
Methylene chloride	<2.5		<0.5				<0.5
o-Xylene	2.4		<0.1				.207
p-Dimethylaminoazobenzene	<2.5		<2.5				<2.5
Pentachlorobenzene	<2.5		<2.5				<2.5
Pentachloronitrobenzene	<12.5		<12.5				<12.5
Styrene	<0.5		<0.1				<0.1
Tetrachloroethene	<0.5		<0.1				<0.1
trans-1,2-Dichloroethene	<0.5		<0.1				<0.1
trans-1,3-Dichloropropene	<0.5		<0.1				<0.1
trans-1,4-Dichloro-2-butene	<2.5		<0.5				<0.5
Trichloroethene	<0.5		<0.1				<0.1
Trichlorofluoromethane	<0.5		<0.1				<0.1
Vinyl acetate	<0.5		<0.1				<0.1
Vinyl chloride	<0.5		<0.1				<0.1

Table 3
Waste Oil Water Storage Area Secondary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

ARCADIS

Sample Grouping	Waste Oil Water Storage Boreholes						
	WOWSBH05	WOWSBH05	WOWSBH06	WOWSBH06	WOWSBH07	WOWSBH08	WOWSBH08
Station Name	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/25/1996
Sample Collection Date	5	35	5	40	35	25	5
Depth (feet)							
Semi-Volatile Organic Compound							
1-Chloronaphthalene	<2.5		<2.5				<2.5
1-Naphthylamine	<12.5		<12.5				<12.5
2,4,5-Trichlorophenol	<12.5		<12.5				<12.5
2,4,6-Trichlorophenol	<12.5		<12.5				<12.5
2,4-Dichlorophenol	<12.5		<12.5				<12.5
2,4-Dimethylphenol	<12.5		<12.5				<12.5
2,4-Dinitrophenol	<12.5		<12.5				<12.5
2,4-Dinitrotoluene	<2.5		<2.5				<2.5
2,6-Dichlorophenol	<12.5		<12.5				<12.5
2,6-Dinitrotoluene	<2.5		<2.5				<2.5
2-Chloronaphthalene	<2.5		<2.5				<2.5
2-Chlorophenol	<12.5		<12.5				<12.5
2-Methylnaphthalene	<2.5		<2.5				<2.5
2-Methylphenol (o-Cresol)	<2.5		<2.5				<2.5
2-Nitroaniline	<12.5		<12.5				<12.5
2-Nitrophenol	<12.5		<12.5				<12.5
2-Picoline	<2.5		<2.5				<2.5
3,3-Dichlorobenzidine	<2.5		<2.5				<2.5
3-Methylcholeanthrene	<2.5		<2.5				<2.5
3-Nitroaniline	<12.5		<12.5				<12.5
4,6-Dinitro-2-methylphenol	<2.5		<2.5				<2.5
4-Aminobiphenyl	<12.5		<12.5				<12.5
4-Bromophenyl phenyl ether	<2.5		<2.5				<2.5
4-Chloro-3-methylphenol	<12.5		<12.5				<12.5
4-Chloroaniline	<12.5		<12.5				<12.5
4-Chlorophenyl phenyl ether	<2.5		<2.5				<2.5
4-Methyl-2-pentanone (MEK)	<25		<5				<5
4-Nitroaniline	<12.5		<12.5				<12.5
4-Nitrophenol	<12.5		<12.5				<12.5
7,12-Dimethylbenz(a)anthracene	<2.5		<2.5				<2.5
Acenaphthene	<2.5		<2.5				<2.5
Acenaphthylene	<2.5		<2.5				<2.5
Acetophenone	<12.5		<12.5				<12.5
Aniline	<12.5		<12.5				<12.5
Anthracene	<2.5		<2.5				<2.5
Benzidine	<25.0		<25.0				
Benzo(a)anthracene	<2.5		<2.5				<2.5
Benzo(a)pyrene	<2.5		<2.5				<2.5
Benzo(b)fluoranthene	<2.5		<2.5				<2.5
Benzo(g,h,i)perylene	<2.5		<2.5				<2.5
Benzo(k)fluoranthene	<2.5		<2.5				<2.5
Benzoic Acid	<25		<25				<25
Benzyl alcohol	<12.5		<12.5				<12.5
Bis(2-chloroethoxy)methane	<2.5		<2.5				<2.5
Bis(2-chloroethyl)ether	<12.5		<12.5				<12.5
Bis(2-chloroisopropyl)ether	<12.5		<12.5				<12.5
Bis(2-ethylhexyl)phthalate	<2.5		<2.5				<2.5
Butyl benzyl phthalate	<2.5		<2.5				<2.5
Chrysene	<2.5		<2.5				<2.5
Dibenz(a,h)anthracene	<2.5		<2.5				<2.5

Table 3
Waste Oil Water Storage Area Secondary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

ARCADIS

Sample Grouping	Waste Oil Water Storage Boreholes						
	WOWSBH05	WOWSBH05	WOWSBH06	WOWSBH06	WOWSBH07	WOWSBH08	WOWSBH08
Station Name	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/25/1996
Sample Collection Date	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/24/1996	7/25/1996
Depth (feet)	5	35	5	40	35	25	5
Dibenzo(a,j)acridine	<2.5		<2.5				<2.5
Dibenzofuran	<12.5		<12.5				<12.5
Dieldrin	<0.025		<0.025				<0.025
Diethyl phthalate	<2.5		<2.5				<2.5
Dimethylphthalate	<2.5		<2.5				<2.5
Di-n-butylphthalate	<2.5		<2.5				<2.5
Di-n-octylphthalate	<2.5		<2.5				<2.5
Ethyl methanesul fonate	<2.5		<2.5				<2.5
Fluoranthene	<2.5		<2.5				<2.5
Fluorene	<2.5		<2.5				<2.5
Hexachlorobenzene	<2.5		<2.5				<2.5
Hexachlorobutadiene	<2.5		<2.5				<2.5
Hexachlorocyclopentadiene	<2.5		<2.5				<2.5
Hexachloroethane	<2.5		<2.5				<2.5
Indeno(1,2,3-cd)pyrene	<2.5		<2.5				<2.5
Isophorone	<12.5		<12.5				<12.5
Methyl methanesulfonate	<2.5		<2.5				<2.5
Naphthalene	<2.5		<2.5				<2.5
Nitrobenzene	<2.5		<2.5				<2.5
N-Nitrosodimethylamine	<2.5		<2.5				<2.5
N-Nitroso-di-n-butylamine	<12.5		<12.5				<12.5
N-Nitrosodi-n-propylamine	<2.5		<2.5				<2.5
N-Nitrosodiphenylamine	<2.5		<2.5				<2.5
N-Nitrosopiperidine	<12.5		<12.5				<12.5
Pentachlorophenol	<12.5		<12.5				<12.5
Phenacetin	<12.5		<12.5				<12.5
Phenanthrene	<2.5		<2.5				<2.5
Phenol	<2.5		<2.5				<2.5
Pronamide	<2.5		<2.5				<2.5
Pyrene	<2.5		<2.5				<2.5
Organochlorine Pesticides							
a,a-Dimethylphenethylamine	<25		<25				<25
a-BHC	<0.0125		<0.0125				<0.0125
a-Chlordane	<0.0125		<0.0125				<0.0125
Aldrin	<0.0125		<0.0125				<0.0125
b-BHC	<0.0125		<0.0125				<0.0125
Bromodichloroethane	<0.5		<0.1				<0.1
cis 1,4-Dichloro-2-butene	<2.5		<0.5				<0.5
d-BHC	<0.0125		<0.0125				<0.0125
Diphenylhydrazine	<12.5		<12.5				<12.5
Endosulfan Sulfate/p,p'-DDT	<0.025		<0.025				<0.025
Endosulfan-1	<0.0125		<0.0125				<0.0125
Endosulfan-2	<0.025		<0.025				<0.025
Endrin	<0.025		<0.025				<0.025
Endrin Aldehyde	<0.025		<0.025				<0.025
Endrin Ketone	<0.025		<0.025				<0.025
g-BHC	<0.0125		<0.0125				<0.0125
g-Chlordane	<0.0125		<0.0125				<0.0125
Heptachlor	<0.0125		<0.0125				<0.0125
Heptachlor epoxide	<0.0125		<0.0125				<0.0125
Methoxychlor	<0.125		<0.125				<0.125
p,p'-DDD	<0.025		<0.025				<0.025
p,p'-DDE	<0.025		<0.025				<0.025
Toxaphene	<1.25		<1.25				<1.25
Poly Chlorinated Biphenyls							
Total BTEX		<0.05		<0.05	<0.05	<0.05	
Total PCB	<2.5		<2.5				<2.5

Table 4
North Sump Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Monitoring Wells						North Sump Excavation				
Station Name	MW036	MW036	MW037	MW037	MW038	MW038	MW038	NS BOT. CEN.	NS BOT. CEN.	NS BOT. N	NS BOT. N	NS BOT. N
Sample Collection Date	8/2/2001	8/2/2001	7/31/2001	7/31/2001	7/31/2001	8/1/2001	8/1/2001	7/17/2001	7/26/2002	7/17/2001	7/26/2002	7/26/2002
Depth (feet)	5	40	20	40	40	20	40	15	15	15	15	15
Arsenic	<5	<5	<5	<5	<5	<5	<5	2		1		
Barium	135	79	122	12	12	123	34	<1		142		
Cadmium	<5	<5	<5	<5	<5	<5	<5	<1		<1		
Chromium (Total)	5	<5	<5	<5	<5	7	<5	18		5		
Hex Chromium (Total)												
Lead	<5	<5	<5	<5	<5	<5	<5	3		2		
Mercury	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5		
Selenium	<5	<5	<5	<5	<5	<5	<5	<1		<1		
Silver	<5	<5	<5	<5	<5	<5	<5	<1		<1		
Chloride									<10		<10	
TPH DRO	<8.2	<8.2	12	<8.2	<8.2	<8.2	<8.2	3100		6600		
TPH GRO	<1	<1	<1	<1	<1	<1	<1	200		247		
TRPH												
Benzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05		
Ethylbenzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.99		<0.05		
Toluene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1		
Xylenes (total)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05		

Table 4
North Sump Primary Soil Analytical Data
Chevron/Texaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping Station Name	North Sump Excavation										
	NS BOT. S. 7/17/2001	NS BOT. S. 7/26/2002	NS WALL NE 7/17/2001	NS WALL NW 7/17/2001	NS WALL S. 7/18/2001	NS WALL S. 8/1/2001	NS WALL SE 7/17/2001	NS WALL SW 7/17/2001			
Sample Collection Date											
Depth (feet)	15	15	10	10	10	10	10	10			
Arsenic	<1		<1	2	3	<5	<1	3			
Barium	92		113	<1	114	84	120	164			
Cadmium	<1		<1	<1	<1	<5	<1	<1			
Chromium (Total)	7		2	6	6	7	4	4			
Hex Chromium (Total)											
Lead	4		1	4	4	6	1	2			
Mercury	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			
Selenium	<1		<1	<1	<1	<5	<1	<1			
Silver	<1		<1	<1	<1	<5	<1	<1			
Chloride		<10									
TPH DRO	620		7800	5400	7500	1500	3000	4900			
TPH GRO	280		72	236	800	48.8	50	49			
TRPH											
Benzene	<0.05		<0.05	<0.05	5.7	<0.05	<0.05	<0.05			
Ethylbenzene	<0.05		0.37	1.4	43	0.35	<0.05	<0.05			
Toluene	<0.1		0.15	<0.1	<0.4	<0.1	<0.1	<0.1			
Xylenes (total)	<0.05		<0.05	<0.05	35	<0.05	<0.05	<0.05			

Table 4
North Sump Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping Station Name	North Sump Excavation			North Sump Boreholes											
	NS WALL W	NS WALL	NS WALL, N	NSBH01	NSBH01	NSBH02	NSBH02	NSBH02	NSBH02	NSBH03	NSBH03	NSBH03	NSBH03	NSBH03	NSBH03
Sample Collection Date	7/17/2001	7/17/2001	7/17/2001	7/29/1996	7/29/1996	7/29/1996	7/29/1996	7/29/1996	7/29/1996	1/23/2002	1/23/2002	1/23/2002	1/23/2002	1/23/2002	1/23/2002
Depth (feet)	10	10	10	10	50	10	10	50	2	10	10	20	30	30	35
Arsenic	1	4	4	<10	<10	<10	<10	<10	<5	<5	<5	<5	<5	<5	<5
Barium	107	<1	<1	91.5	<20	121	<20	<20	49	111	498	103	103	90	90
Cadmium	<1	<1	<1	<2	<2	<2	<2	<2	<5	<5	<5	<5	<5	<5	<5
Chromium (Total)	4	6	6	5.4	<5	<5	<5	<5	29	<5	<5	6	<5	<5	<5
Hex Chromium (Total)									<2	<2	<2	<2	<2	<2	<2
Lead	2	2	2	<10	<10	<10	<10	<10	<5	<5	<5	<5	<5	<5	<5
Mercury	<0.5	<0.5	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Selenium	<1	<1	<1	<10	<10	<10	<10	<10	<5	<5	<5	<5	<5	<5	<5
Silver	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<5	<5	<5	<5	<5
Chloride															
TPH DRO	5800	940	940						490	34	32	14	20	20	20
TPH GRO	350	95	95						<1	<1	<1	<1	<1	<1	<1
TRPH								13900							
Benzene	<0.05	<0.05	<0.05	<0.25	4.5	<0.25	<0.25	5.68	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	<0.05	<0.05	<0.05	1.38	20.2	6.2	14.4	14.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	0.22	<0.1	<0.1	<0.25	33.4	2.09	27.4	27.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenes (total)	<0.05	0.33	0.33						<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Table 4
North Sump Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping Station Name	North Sump Boreholes											
	NSBH03	NSBH04	NSBH04	NSBH04	NSBH04	NSBH04	NSBH04	NSBH04	NSBH04	NSBH05	NSBH05	NSBH05
Sample Collection Date	1/23/2002	1/22/2002	1/22/2002	1/22/2002	1/22/2002	1/22/2002	1/22/2002	1/22/2002	1/22/2002	1/22/2002	1/22/2002	1/22/2002
Depth (feet)	45	2	10	20	30	45	45	2	5	10	20	30
Arsenic	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Barium	19	12	86	483	56	36	36	19	164	136	189	89
Cadmium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chromium (Total)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Hex Chromium (Total)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Lead	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Mercury	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Silver	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride												
TPH DRO	12	<8.3	6900	1900	3800	3900	3900	7700	8100	8100	680	2900
TPH GRO	<1	<1	200	65.1	244	298	298	143	406	150	39	265
TRPH												
Benzene	<0.05	<0.05	0.065	<0.05	0.11	0.59	0.59	<0.5	0.072	0.064	<0.5	0.17
Ethylbenzene	<0.05	<0.05	1.7	0.052	0.29	7	7	<0.5	1.3	0.64	<0.5	0.43
Toluene	<0.1	<0.1	<0.1	<0.1	0.68	12	12	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenes (total)	<0.05	<0.05	3.7	<0.05	0.53	14	14	<0.5	2.7	1.2	<0.5	0.72

Table 4
 North Sump Primary Soil Analytical Data
 Chevron/Texaco Eunice #2 (North) Gas Plant
 Eunice, Lea County, New Mexico
 (ppm)

Sample Grouping Station Name	North Sump Boreholes													
	NSBH05 1/22/2002	NSBH06 1/21/2002	NSBH06 1/21/2002	NSBH06 1/21/2002	NSBH06 1/21/2002	NSBH06 1/21/2002	NSBH06 1/21/2002	NSBH07 1/24/2002	NSBH07 1/24/2002	NSBH07 1/24/2002	NSBH07 1/24/2002	NSBH07 1/24/2002	NSBH07 1/24/2002	NSBH07 1/24/2002
Sample Collection Date														
Depth (feet)	45	2	10	20	30	45	2	10	15	20	30			
Arsenic	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
Barium	72	44	82	97	31	22	13	129	206	705	38			
Cadmium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
Chromium (Total)	<5	7	<5	<5	<5	<5	<5	<5	<5	<5	<5			
Hex Chromium (Total)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2			
Lead	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
Mercury	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
Silver	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
Chloride														
TPH DRO	3000	7600	18000	9600	8200	630	3000	8200		2900	5200			
TPH GRO	215	170	500	400	300	20	10	410		180	400			
TRPH														
Benzene	0.14	0.48	1.1	0.87	0.75	<0.05	0.052	1.7	0.12	<0.05	0.91			
Ethylbenzene	1.4	0.8	2.2	0.84	1.1	<0.5	0.12	2.3	0.87	0.5	5.5			
Toluene	1.8	<0.1	0.83	2.9	3.9	<0.1	<0.1	5.1	1.1	0.57	7.5			
Xylenes (total)	2.9	3	8	2.7	2.6	<0.5	0.14	6.4	2.8	1.4	13			

Table 4
North Sump Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		North Sump Boreholes													
Station Name	NSBH07	NSBH08	NSBH08	NSBH08	NSBH08	NSBH08	NSBH08	NSBH08	NSBH08	NSBH08	NSBH08	NSBH08	NSBH08	NSBH08	NSBH08
Sample Collection Date	1/24/2002	1/23/2002	1/23/2002	1/23/2002	1/23/2002	1/23/2002	1/23/2002	1/23/2002	1/23/2002	1/23/2002	1/23/2002	1/23/2002	1/23/2002	1/24/2002	1/24/2002
Depth (feet)	45	2	10	20	30	45	2	10	20	30	45	2	10	20	30
Arsenic	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Barium	21	13	139	116	84	51	25	132	315	71	46	25	132	315	71
Cadmium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chromium (Total)	<5	<5	<5	5	<5	<5	7	<5	<5	<5	<5	<5	<5	<5	<5
Hex Chromium (Total)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Lead	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Mercury	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Silver	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride															
TPH DRO	440	<8.3	3600	8600	5000	3300	<8.3	70	230	120	150	<8.3	70	230	120
TPH GRO	80	<1	70	345	400	250	<1	30	30	40	70	<1	30	30	40
TRPH															
Benzene	<0.05	<0.5	<0.5	0.56	0.54	0.18	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	0.28	<0.5	0.078	0.7	2.3	1.6	<0.05	<0.05	<0.05	<0.05	0.38	<0.05	<0.05	<0.05	0.38
Toluene	<0.1	<0.1	<0.1	0.38	2.6	1.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenes (total)	1	<0.5	0.26	2.3	6.7	4.3	<0.05	<0.05	0.085	0.058	1.6	<0.05	<0.05	0.058	1.6

Table 4
North Sump Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	North Sump Boreholes											
	NSBH10	NSBH10	NSBH10	NSBH10	NSBH10	NSBH10	NSBH10	NSBH10	NSBH11	NSBH11	NSBH11	NSBH12
Station Name	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/24/2002	4/24/2002	4/24/2002	4/24/2002
Sample Collection Date	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/24/2002	4/24/2002	4/24/2002	4/24/2002
Depth (feet)	2	10	20	30	40	2	10	20	30	45	2	2
Arsenic	<5	7	<5	<5	<5	<5	<5	8	<5	<5	<5	<5
Barium	8	224	388	45	25	380	129	75	36	16	26	26
Cadmium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chromium (Total)	<5	<5	6	<5	6	28	<5	<5	<5	<5	6	6
Hex Chromium (Total)												
Lead	<5	<5	<5	<5	<5	10	<5	<5	<5	<5	<5	<5
Mercury	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Silver	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride												
TPH DRO	<8.3	<8.3	<8.3	<8.3	<8.3	23000	14000	3800	3900	8500	9100	9100
TPH GRO	<1	2.8	<1	<1	<1	960	790	261	312	860	820	820
TRPH												
Benzene	<0.05	<0.05	<0.05	<0.05	<0.05	0.19	0.75	0.15	<0.05	0.065	0.052	0.052
Ethylbenzene	<0.05	<0.05	<0.05	<0.05	<0.05	9.6	6.1	2.4	1.4	2.2	2	2
Toluene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.8	0.14	<0.1	1.8	<0.1	<0.1
Xylenes (total)	<0.05	<0.05	<0.05	<0.05	<0.05	7.7	14	5.1	3.9	5.8	3.9	3.9

Table 4
North Sump Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		North Sump Boreholes													
Station Name	NSBH12	NSBH12	NSBH12	NSBH12	NSBH12	NSBH13	NSBH13	NSBH13	NSBH13	NSBH13	NSBH13	NSBH13	NSBH13	NSBH14	NSBH14
Sample Collection Date	4/24/2002	4/24/2002	4/24/2002	4/24/2002	4/24/2002	4/22/2002	4/22/2002	4/22/2002	4/22/2002	4/22/2002	4/22/2002	4/22/2002	4/22/2002	4/22/2002	4/22/2002
Depth (feet)	10	20	30	45	2	10	20	30	45	2	10				
Arsenic	<5	5	6	<5	<5	<5	8	<5	<5	<5	<5	<5	<5	<5	<5
Barium	170	99	48	11	22	195	200	96	60	8	201				
Cadmium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chromium (Total)	9	6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Hex Chromium (Total)															
Lead	6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Mercury	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Silver	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride															
TPH DRO	1700	1500	160	40	<8.3	<8.3	<8.3	11	11	28	310				
TPH GRO	104	56	5.6	<1	<1	<1	<1	<1	<1	<1	6				
TRPH															
Benzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	0.29	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenes (total)	0.43	0.074	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Table 4
North Sump Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		North Sump Boreholes											
Station Name	NSBH14	NSBH14	NSBH14	NSBH14	NSBH15	NSBH15	NSBH15	NSBH15	NSBH15	NSBH15	NSBH15	NSBH15	NSBH15
Sample Collection Date	4/22/2002	4/22/2002	4/22/2002	4/22/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002	4/23/2002
Depth (feet)	20	30	45	45	2	10	20	30	45				
Arsenic	<5	<5	<5	<5	<5	<5	8	<5	<5				
Barium	129	145	23	23	30	286	161	61	27				
Cadmium	<5	<5	<5	<5	<5	<5	<5	<5	<5				
Chromium (Total)	<5	<5	<5	<5	11	<5	<5	<5	<5				
Hex Chromium (Total)													
Lead	<5	<5	<5	<5	<5	<5	<5	<5	<5				
Mercury	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5				
Silver	<5	<5	<5	<5	<5	<5	<5	<5	<5				
Chloride													
TPH DRO	23	99	58	58	110	22	<8.3	<8.3	<8.3				
TPH GRO	3	7	4	4	1.3	1.5	1	<1	<1				
TRPH													
Benzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				
Ethylbenzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				
Toluene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Xylenes (total)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				

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Table 5
North Sump Secondary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	North Sump Boreholes			
	NSBH01	NSBH01	NSBH02	NSBH02
Station Name	7/29/1996	7/29/1996	7/29/1996	7/29/1996
Sample Collection Date	10	50	10	50
Depth (feet)				
Volatile Organic Compound				
1,1,1-Trichloroethane	<0.25	<1	<0.25	<1
1,1,2,2-Tetrachloroethane	<0.25	<1	<0.25	<1
1,1,2-Trichloroethane	<0.25	<1	<0.25	<1
1,1-Dichloroethane	<0.25	<1	<0.25	<1
1,2,4,5-Tetrachlorobenzene	<5	<5	<2.5	<2.5
1,2,4-Trichlorobenzene	<5	<5	<2.5	<2.5
1,2-Dichlorobenzene	<5	<5	<2.5	<2.5
1,2-Dichloroethane	<0.25	<1	<0.25	<1
1,2-Dichloropropane	<0.25	<1	<0.25	<1
1,3-Dichlorobenzene	<5	<5	<2.5	<2.5
1,4-Dichlorobenzene	<5	<5	<2.5	<2.5
2,3,4,6-Tetrachlorophenol	<25	<25	<12.5	<12.5
2-Butanone (MEK)	<12.5	<50	<12.5	<50
2-Hexanone	<12.5	<50	<12.5	<50
2-Napthylamine	<25	<25	<12.5	<12.5
Bromodichloromethane	<0.25	<1	<0.25	<1
Bromoform	<0.25	<1	<0.25	<1
Bromomethane	<1.25	<5	<1.25	<5
Carbon disulfide	<0.25	<1	<0.25	<1
Carbon tetrachloride	<0.25	<1	<0.25	<1
Chlorobenzene	<0.25	<1	<0.25	<1
Chloroethane	<0.25	<1	<0.25	<1
Chloroform	<0.25	<1	<0.25	<1
Chloromethane	<0.25	<1	<0.25	<1
cis-1,3-Dichloropropene	<0.25	<1	<0.25	<1
Dibromochloromethane	<0.25	<1	<0.25	<1
Dichlorodifluoromethane	<0.25	<1	<0.25	<1
Iodomethane	<1.25	<5	<1.25	<5
m,p-Cresol	<5	<5	<2.5	<2.5
m,p-Xylene	1.13	30.8	8.77	21.5
Methylene chloride	<1.25	<5	<1.25	<5
o-Xylene	<0.25	12.2	2.56	7.98
p-Dimethylaminoazobenzene	<5	<5	<2.5	<2.5
Pentachlorobenzene	<5	<5	<2.5	<2.5
Pentachloronitrobenzene	<25	<25	<12.5	<12.5
Styrene	<0.25	<1	<0.25	<1
Tetrachloroethene	<0.25	<1	<0.25	<1
trans-1,2-Dichloroethene	<0.25	<1	<0.25	<1
trans-1,3 Dichloropropene	<0.25	<1	<0.25	<1
trans-1,4-Dichloro-2-butene	<1.25	<5	<1.25	<5
Trichloroethene	<0.25	<1	<0.25	<1

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Table 5
North Sump Secondary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	North Sump Boreholes			
Station Name	NSBH01	NSBH01	NSBH02	NSBH02
Sample Collection Date	7/29/1996	7/29/1996	7/29/1996	7/29/1996
Depth (feet)	10	50	10	50
Trichlorofluoromethane	<0.25	<1	<0.25	<1
Vinyl acetate	<0.25	<1	<0.25	<1
Vinyl chloride	<0.25	<1	<0.25	<1
Semi-Volatile Organic Compound				
1-Chloronaphthalene	<5	<5	<2.5	<2.5
1-Naphthylamine	<25	<25	<12.5	<12.5
2,4,5-Trichlorophenol	<25	<25	<12.5	<12.5
2,4,6-Trichlorophenol	<25	<25	<12.5	<12.5
2,4-Dichlorophenol	<25	<25	<12.5	<12.5
2,4-Dimethylphenol	<25	<25	<12.5	<12.5
2,4-Dinitrophenol	<25	<25	<12.5	<12.5
2,4-Dinitrotoluene	<5	<5	<2.5	<2.5
2,6-Dichlorophenol	<25	<25	<12.5	<12.5
2,6-Dinitrotoluene	<5	<5	<2.5	<2.5
2-Chloronaphthalene	<5	<5	<2.5	<2.5
2-Chlorophenol	<25	<25	<12.5	<12.5
2-Methylnaphthalene	37.54	10.8	4.37	9.26
2-Methylphenol (o-Cresol)	<5	<5	<2.5	<2.5
2-Nitroaniline	<25	<25	<12.5	<12.5
2-Nitrophenol	<25	<25	<12.5	<12.5
2-Picoline	<5	<5	<2.5	<2.5
3,3-Dichlorobenzidine	<5	<5	<2.5	<2.5
3-Methylcholanthrene	<5	<5	<2.5	<2.5
3-Nitroaniline	<25	<25	<12.5	<12.5
4,6-Dinitro-2-methylphenol	<5	<5	<2.5	<2.5
4-Aminobiphenyl	<25	<25	<12.5	<12.5
4-Bromophenyl phenyl ether	<5	<5	<2.5	<2.5
4-Chloro-3-methylphenol	<25	<25	<12.5	<12.5
4-Chloroaniline	<25	<25	<12.5	<12.5
4-Chlorophenyl phenyl ether	<5	<5	<2.5	<2.5
4-Methyl-2-pentanone (MEK)	<12.5	<50	<12.5	<50
4-Nitroaniline	<25	<25	<12.5	<12.5
4-Nitrophenol	<25	<25	<12.5	<12.5
7,12-Dimethylbenz(a)anthracene	<5	<5	<2.5	<2.5
Acenaphthene	<5	<5	<2.5	<2.5
Acenaphthylene	<5	<5	<2.5	<2.5
Acetophenone	<25	<25	<12.5	<12.5
Aniline	<25	<25	<12.5	<12.5
Anthracene	7.02	<5	<2.5	<2.5
Benzdine	<50	<50	<25	<25
Benzo(a)anthracene	<5	<5	<2.5	<2.5
Benzo(a)pyrene	<5	<5	<2.5	<2.5

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Table 5
North Sump Secondary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	North Sump Boreholes			
Station Name	NSBH01	NSBH01	NSBH02	NSBH02
Sample Collection Date	7/29/1996	7/29/1996	7/29/1996	7/29/1996
Depth (feet)	10	50	10	50
Benzo(b)fluoranthene	<5	<5	<2.5	<2.5
Benzo(g,h,i)perylene	<5	<5	<2.5	<2.5
Benzo(k)fluoranthene	<5	<5	<2.5	<2.5
Benzoic Acid	<50	<50	<25	<25
Benzyl alcohol	<25	<25	<12.5	<12.5
Bis(2-chloroethoxy)methane	<5	<5	<2.5	<2.5
Bis(2-chloroethyl)ether	<25	<25	<12.5	<12.5
Bis(2-chloroisopropyl)ether	<25	<25	<12.5	<12.5
Bis(2-ethylhexyl)phthalate	<5	<5	<2.5	<2.5
Butyl benzyl phthalate	<5	<5	<2.5	<2.5
Chrysene	<5	<5	<2.5	<2.5
Dibenz(a,h)anthracene	<5	<5	<2.5	<2.5
Dibenzo(a,j)acridine	<5	<5	<2.5	<2.5
Dibenzofuran	<25	<25	<12.5	<12.5
Diethyl phthalate	<5	<5	<2.5	<2.5
Dimethylphthalate	<5	<5	<2.5	<2.5
Di-n-butylphthalate	<5	<5	<2.5	<2.5
Di-n-octylphthalate	<5	<5	<2.5	<2.5
Ethyl methanesul fonate	<5	<5	<2.5	<2.5
Fluoranthene	<5	<5	<2.5	<2.5
Fluorene	<5	<5	<2.5	<2.5
Hexachlorobenzene	<5	<5	<2.5	<2.5
Hexachlorobutadiene	<5	<5	<2.5	<2.5
Hexachlorocyclopentadiene	<5	<5	<2.5	<2.5
Hexachloroethane	<5	<5	<2.5	<2.5
Indeno(1,2,3-cd)pyrene	<5	<5	<2.5	<2.5
Isophorone	<25	<25	<12.5	<12.5
Methyl methanesulfonate	<5	<5	<2.5	<2.5
Naphthalene	9.46	<5	<2.5	<2.5
Nitrobenzene	<5	<5	<2.5	<2.5
N-Nitrosodimethylamine	<5	<5	<2.5	<2.5
N-Nitroso-di-n-butylamine	<25	<25	<12.5	<12.5
N-Nitrosodi-n-propylamine	<5	<5	<2.5	<2.5
N-Nitrosodiphenylamine	<5	<5	<2.5	<2.5
N-Nitrosopiperidine	<25	<25	<12.5	<12.5
Pentachlorophenol	<25	<25	<12.5	<12.5
Phenacetin	<25	<25	<12.5	<12.5
Phenanthrene	<5	<5	<2.5	<2.5
Phenol	<5	<5	<2.5	<2.5
Pronamide	<5	<5	<2.5	<2.5
Pyrene	<5	<5	<2.5	<2.5

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Table 5
North Sump Secondary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	North Sump Boreholes			
Station Name	NSBH01	NSBH01	NSBH02	NSBH02
Sample Collection Date	7/29/1996	7/29/1996	7/29/1996	7/29/1996
Depth (feet)	10	50	10	50
Organochlorine Pesticides				
a,a-Dimethylphenethylamine	<50	<50	<25	<25
a-BHC	<0.0125	<0.0125	<0.0125	<0.0125
a-Chlordane	<0.0125	<0.0125	<0.0125	<0.0125
Aldrin	<0.0125	<0.0125	<0.0125	<0.0125
b-BHC	<0.0125	<0.0125	<0.0125	<0.0125
Bromodichloroethane	<0.25	<1	<0.25	<1
cis 1,4-Dichloro-2-butene	<1.25	<5	<1.25	<5
d-BHC	<0.0125	<0.0125	<0.0125	<0.0125
Dieldrin	<0.025	<0.025	<0.025	<0.025
Diphenylhydrazine	<25	<25	<12.5	<12.5
Endosulfan Sulfate/p,p'-DDT	<0.025	<0.025	<0.025	<0.025
Endosulfan-1	<0.0125	<0.0125	<0.0125	<0.0125
Endosulfan-2	<0.025	<0.025	<0.025	<0.025
Endrin	<0.025	<0.025	<0.025	<0.025
Endrin Aldehyde	<0.025	<0.025	<0.025	<0.025
Endrin Ketone	<0.025	<0.025	<0.025	<0.025
g-BHC	<0.0125	<0.0125	<0.0125	<0.0125
g-Chlordane	<0.0125	<0.0125	<0.0125	<0.0125
Heptachlor	<0.0125	<0.0125	<0.0125	<0.0125
Heptachlor epoxide	<0.0125	<0.0125	<0.0125	<0.0125
Methoxychlor	<0.125	<0.125	<0.125	<0.125
p,p'-DDD	<0.025	<0.025	<0.025	<0.025
p,p'-DDE	<0.025	<0.025	<0.025	<0.025
Toxaphene	<1.25	<1.25	<1.25	<1.25
Poly Chlorinated Biphenyls				
Total PCB	<2.5	<0.25	<0.25	<2.5

Table 6
Compressor Building Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Compressor Building Auger Holes													
	Station Name	CBAH001	CBAH001	CBAH001	CBAH001	CBAH001	CBAH002	CBAH002	CBAH002	CBAH002	CBAH002	CBAH002	CBAH003	CBAH003
Sample Collection Date	10/17/1995	3/7/2002	3/7/2002	3/7/2002	3/7/2002	10/17/1995	3/7/2002	3/7/2002	3/7/2002	3/7/2002	3/7/2002	10/17/1995	3/7/2002	10/17/1995
Depth (feet)	1	0.5	2	2	5	1	0.5	2	5	10	1	0.5	2	0.5
Arsenic		6	11				<5	<5				<5	<5	<20
Barium		116	115				117	62				97	75	25.8
Cadmium		<5	<5				<5	<5				<5	<5	<2
Chromium (Total)		72	27				146	34				177	75	24.1
Hex Chromium (Total)		2	<2				<2	<2				2	<2	
Lead		10	<5				14	<5				11	6	<10
Mercury		<0.5	<0.5				<0.5	<0.5				<0.5	<0.5	<0.25
Selenium		<5	<5				<5	<5				<5	<5	<20
Silver		<5	<5				<5	<5				<5	<5	<0.5
TPH DRO		150	17		<8.3		110	<8.3	<8.3	<8.3		1100	530	
TPH GRO		<1	<1		<1		<1	<1	<1	<1		<1	9.9	
TRPH	76					60					95			
Benzene													<0.05	
Ethylbenzene													29	
Toluene													56	
Xylenes (total)													88	

Table 6
Compressor Building Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Compressor Building Auger Holes													
	Station Name	CBAH004 10/17/1995	CBAH004 10/17/1995	CBAH004 10/17/1995	CBAH004 10/17/1995	CBAH004 10/17/1995	CBAH004 10/17/1995	CBAH004 10/17/1995	CBAH004 10/17/1995	CBAH004 10/17/1995	CBAH004 10/17/1995	CBAH004 10/17/1995	CBAH004 10/17/1995	CBAH004 10/17/1995
Sample Collection Date		4	6	8	10	12	0.5	2	5	4.2	0.5	2	4	0.5
Depth (feet)							<5	<5			<20			
Arsenic							66	38			1900			290
Barium							<5	<5			2.7			
Cadmium							45	57			1580			4400
Chromium (Total)							<2	<2						
Hex Chromium (Total)							14	7			64.4			
Lead							0.9	<0.5			<0.25			
Mercury							<5	<5			<20			
Selenium							<5	<5			<0.5			
Silver							150	850	7700					
TPH DRO							<1	<1	5.1					
TPH GRO										173		<5	<5	
TRPH		142000	7210	1300	226	261	<0.05	<0.05	<0.05		<0.05	<0.05		
Benzene		<0.05			<0.05		<0.05	<0.05	<0.05		<0.05	<0.05		
Ethylbenzene		<0.05			<0.05		<0.05	<0.05	<0.05		<0.05	<0.05		
Toluene		<0.05			<0.05		<1	<1	<1		<0.05	<0.05		
Xylenes (total)		<0.05			<0.05		<0.05	<0.05	0.86		.555	<0.05		

Table 6
Compressor Building Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping Station Name	Compressor Building Auger Holes															
	CBAH005	CBAH005	CBAH005	CBAH005	CBAH005	CBAH005A	CBAH005A	CBAH005A	CBAH005A	CBAH005B	CBAH005B	CBAH005B	CBAH005C	CBAH005C	CBAH005C	CBAH005C
Sample Collection Date	3/8/2002	3/8/2002	3/8/2002	3/8/2002	3/8/2002	4/3/1997	4/3/1997	4/3/1997	4/3/1997	4/3/1997	4/3/1997	4/3/1997	4/3/1997	4/3/1997	4/3/1997	4/3/1997
Depth (feet)	0.5	2	5	10	0.5	1	2	2	0.5	2	2	3	0.5	1		
Arsenic	<5	<5														
Barium	121	35			320	250	26	21	92	21	<20	150		230		
Cadmium	<5	<5														
Chromium (Total)	595	85			3800	360	6.2	6.6	430	7.3	390	1500				
Hex Chromium (Total)	4	<2														
Lead	16	6														
Mercury	<0.5	<0.5														
Selenium	<5	<5														
Silver	<5	<5														
TPH DRO	71	1200	<8.3	19												
TPH GRO	<1	22.8	<1	<1												
TRPH																
Benzene	<0.05	<0.05	<0.05	<0.05	<0.05											
Ethylbenzene	<0.05	<0.05	<0.05	<0.05	<0.05											
Toluene	<1	<1	<1	<1	<1											
Xylenes (total)	<0.05	1.4	<0.05	<0.05	<0.05											

Table 6
Compressor Building Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Compressor Building Auger Holes														
	Station Name	CBAH005C	CBAH005D	CBAH005D	CBAH006	CBAH006	CBAH006	CBAH006	CBAH006	CBAH006	CBAH006	CBAH006	CBAH006	CBAH006B	CBAH007
Sample Collection Date	4/3/1997	4/3/1997	4/3/1997	4/3/1997	10/17/1995	10/17/1995	10/17/1995	3/28/1996	4/2/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002	10/17/1995	10/17/1995
Depth (feet)	2	0.5	2	3.9	6.3	8	12.5		0.5	2	5	7	3	1	1
Arsenic				<20					<5	<5				<20	
Barium	<20	330	<20	41.3					609	21				98.9	
Cadmium				<2					<5	<5				<2	
Chromium (Total)	63	2900	9.6	24.8					551	19				64.9	
Hex Chromium (Total)									8	<2					
Lead				<10					52	<5				<10	
Mercury				0.34					1.1	<0.5				<0.25	
Selenium				<20					<5	<5				<20	
Silver				<0.5					<5	<5				<0.5	
TPH DRO									390	330	77	52			
TPH GRO							1420		1.07	1.51	<1	<1	<5		
TRPH					1450	1210									
Benzene				<0.05	<0.05				<0.05	<0.05	<0.05	<0.05			
Ethylbenzene				<0.05	<0.05				<0.05	<0.05	<0.05	<0.05			
Toluene				<0.05	<0.05				<0.1	<0.1	<0.1	<0.1			
Xylenes (total)				<0.05	<0.05				<0.05	<0.05	<0.05	<0.05			

Table 6
Compressor Building Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Compressor Building Auger Holes													
Station Name		CBAH007	CBAH007	CBAH007	CBAH007	CBAH007	CBAH007	CBAH007	CBAH007	CBAH007	CBAH007B	CBAH008	CBAH008	CBAH008	
Sample Collection Date		10/17/1995	10/17/1995	10/17/1995	10/17/1995	3/28/1996	4/3/2002	4/3/2002	4/3/2002	4/3/2002	10/17/1995	10/17/1995	10/17/1995	3/28/1996	
Depth (feet)		5	10	12	15	13.5	0.5	2	5	7	3	1	3	8	
Arsenic							<5	<5							
Barium							53	78							
Cadmium							<5	<5							
Chromium (Total)							5	43							
Hex Chromium (Total)							<2	<2							
Lead							<5	<5							
Mercury							<0.5	<0.5							
Selenium							<5	<5							
Silver							<5	<5							
TPH DRO							<8.3	150	2500	2900				18	
TPH GRO						58300	<1	4.4	4.6	2.9					
TRPH	37400	13900		420							<5	859	2770		
Benzene	<0.05		<0.05	<0.05			<0.05	<0.05	<0.05	<0.05					
Ethylbenzene	<0.05		<0.05	<0.05			<0.05	<0.05	<0.05	<0.05					
Toluene	<0.05		<0.05	<0.05			<0.1	<0.1	<0.1	<0.1					
Xylenes (total)	<0.05		.211	<0.05			<0.05	<0.05	0.068	<0.05					

Table 6
Compressor Building Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping Station Name	Compressor Building Auger Holes															
	CBAH008 4/3/2002	CBAH008 4/3/2002	CBAH008 4/3/2002	CBAH008 4/3/2002	CBAH008 4/3/2002	CBAH008 4/3/2002	CBAH009 10/17/1995	CBAH009 4/3/2002	CBAH009 4/3/2002	CBAH009 4/3/2002	CBAH009A 10/17/1995	CBAH010 10/17/1995	CBAH010 10/17/1995	CBAH010 10/17/1995	CBAH010 10/17/1995	CBAH010 10/17/1995
Sample Collection Date	0.5	2	2	5	6.5	0.5	2	0.5	2	5	3	0.5	2	2	4	4
Depth (feet)	<5	<5	<5					<5	<5	<5		<20				
Arsenic	87	392						43	24			46.4				
Barium	<5	<5						<5	<5			<2				
Cadmium	284	401						27	14			32.6				
Chromium (Total)	2	6						<2	<2							
Hex Chromium (Total)	15	32						5	<5			<10				
Lead	0.8	0.9						<0.5	<0.5			<0.25				
Mercury	<5	<5						<5	<5			<20				
Selenium	<5	<5						<5	<5			<0.5				
Silver	160	400		<8.3	19			44	<8.3	<8.3						
TPH DRO	<1	<1	<1	<1	<1			<1	<1	<1	8		496	589	<0.05	<0.05
TPH GRO						56910	9									
TRPH	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	<0.05						
Benzene	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	<0.05						
Ethylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	<0.1	<0.1						
Toluene	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	<0.05						
Xylenes (total)																

Table 6
Compressor Building Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Compressor Building Auger Holes													
	Station Name	CBAH010	CBAH010	CBAH010	CBAH010B	CBAH011	CBAH011	CBAH011	CBAH011	CBAH011	CBAH011	CBAH011A	CBAH012	CBAH012
Sample Collection Date		4/3/2002	4/3/2002	4/3/2002	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	3/28/1996	4/3/2002	4/3/2002	10/17/1995	10/17/1995
Depth (feet)		0.5	2	5	3	0.5	2	3.5	5		0.5	2	0.5	2
Arsenic		12	<5			<20					<5			
Barium		158	38			38.7					57	44		
Cadmium		<5	<5			<2					<5	<5		
Chromium (Total)		15	21			20.7					32	31		
Hex Chromium (Total)		<2	<2								4	<2		
Lead		11	6			<10					7	6		
Mercury		<0.5	<0.5			<0.25					0.6	1.5		
Selenium		<5	<5			<20					<5	<5		
Silver		<5	<5			<0.5					<5	<5		
TPH DRO		5100	29	370							480	2400		
TPH GRO		83	42	1.5					<10		<1	<1		
TRPH					13		296	2390				<5	2540	77
Benzene		<0.05	<0.05	<0.05							<0.05	<0.05		
Ethylbenzene		<0.05	0.098	<0.05							<0.05	<0.05		
Toluene		<0.1	<0.1	<0.1							<0.1	<0.1		
Xylenes (total)		0.39	0.5	<0.05							<0.05	<0.05		

Table 6
Compressor Building Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Compressor Building						Engine Jacket Water Sump Samples											
	CBAH012	CBAH012	CBAH013	CBAH013	CBAH013	CBAH013	EJWS01	EJWS01	EJWS01	EJWS01	EJWS01	EJWS01	EJWS02	EJWS02	EJWS02	EJWS02	EJWS02	EJWS03
Station Name	4/3/2002	4/3/2002	10/17/1995	10/18/1995	4/3/2002	4/3/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002
Sample Collection Date	4/3/2002	4/3/2002	10/17/1995	10/18/1995	4/3/2002	4/3/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002
Depth (feet)	0.5	2	0.5	2.5	0.5	2	0.5	2	5	10	0.5	2	5	7	7	7	7	0.5
Arsenic	<5	<5			10	12	<5	<5			<5	<5	<5					8
Barium	83	79			136	132	54	42			152	16						89
Cadmium	<5	<5			<5	<5	<5	<5			<5	<5	<5					<5
Chromium (Total)	47	16			34	14	456	79			924	416						3500
Hex Chromium (Total)	<2	<2			<2	<2	3	<2			5	4						7
Lead	8	<5			6	<5	11	<5			7	<5						38
Mercury	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5			<0.5	<0.5						<0.5
Selenium	<5	<5			<5	<5	<5	<5			<5	<5						<5
Silver	<5	<5			<5	<5	<5	<5			<5	<5						<5
TPH DRO	4500	980			190	880	18	<8.3	<8.3	<8.3	26	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	240
TPH GRO	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TRPH			90	146														
Benzene	<0.05	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	<0.05	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.66	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.5
Xylenes (total)	<0.05	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Table 6
Compressor Building Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Engine Jacket Water Sump Samples										Engine Room	
	Station Name	EJWS03	EJWS04	EJWS04	EJWS04	EJWS04	EJWS04	EJWS04	EJWS04	EJWS04	ERNS	ERSS
Sample Collection Date	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	4/1/2002	8/9/1996	8/9/1996
Depth (feet)	2	0.5	2	5	10	13					8.2	6.4
Arsenic	<5	<5	<5	<5							17.4	<10
Barium	83	73	35								93.1	213
Cadmium	<5	<5	<5	<5							<2	<2
Chromium (Total)	1130	457	129								12.2	20.3
Hex Chromium (Total)	6	4	<2									
Lead	9	16	12								<10	<10
Mercury	<0.5	<0.5	<0.5	<0.5							<0.25	<0.25
Selenium	<5	<5	<5	<5							<10	<10
Silver	<5	<5	<5	<5							<0.5	<0.5
TPH DRO	49	23	18	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3		
TPH GRO	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
TRPH												
Benzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.025	<0.025
Ethylbenzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.025	<0.025
Toluene	1.1	<0.1	0.53	0.18	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.025	<0.025
Xylenes (total)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		

Table 7
Compressor Building Secondary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Compressor Building Auger Holes														Engine Room	
	Station Name	CBAH005	CBAH005	CBAH006	CBAH006	CBAH007	CBAH007	CBAH007	CBAH007	CBAH007	CBAH010	CBAH010	CBAH010	CBAH011	ERNS	ERSS
Sample Collection Date	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	4/3/2002	10/17/1995	10/17/1995	10/17/1995	10/17/1995	8/9/1996	8/9/1996
Depth (feet)	0.5	2	3.9	6.3	1	5	12	15	7	0.5	4	0.5			8.2	6.4
Volatile Organic Compound																
1,1,1-Trichloroethane															<0.025	<0.025
1,1,2,2-Tetrachloroethane															<0.025	<0.025
1,1,2-Trichloroethane															<0.025	<0.025
1,1-Dichloroethane															<0.025	<0.025
1,2,4,5-Tetrachlorobenzene															<0.25	<2.5
1,2,4-Trichlorobenzene															<0.25	<2.5
1,2-Dichlorobenzene															<0.025	<0.025
1,2-Dichloroethane															<0.025	<0.025
1,2-Dichloropropane															<0.25	<2.5
1,3-Dichlorobenzene															<0.25	<2.5
1,4-Dichlorobenzene															<1.25	<12.5
2,3,4,6-Tetrachlorophenol															<1.25	<12.5
2-Butanone (MEK)															<1.25	<12.5
2-Hexanone															<1.25	<12.5
2-Naphthylamine															<0.025	<0.025
Bromodichloromethane															<0.025	<0.025
Bromoform															<0.125	<12.5
Bromomethane															<0.025	<0.025
Carbon disulfide															<0.025	<0.025
Carbon tetrachloride															<0.025	<0.025
Chlorobenzene															<0.025	<0.025
Chloroethane															<0.025	<0.025
Chloroform															<0.025	<0.025
Chloromethane															<0.025	<0.025
cis-1,3-Dichloropropene															<0.025	<0.025
Dibromochloromethane															<0.025	<0.025
Dichlorodifluoromethane															<0.025	<0.025
Iodomethane															<0.125	<12.5
m,p-Cresol															<0.25	<2.5
m,p-Xylene															<0.025	<0.025
Methylene chloride															<0.125	<12.5
o-Xylene															<0.025	<0.025
p-Dimethylaminoazobenzene															<0.25	<2.5
Pentachlorobenzene															<1.25	<12.5
Pentachloronitrobenzene															<0.025	<0.025
Styrene															<0.025	<0.025
Tetrachloroethene															<0.025	<0.025
trans-1,2-Dichloroethene															<0.025	<0.025
trans-1,3-Dichloropropene															<0.125	<12.5
trans-1,4-Dichloro-2-butene															<0.025	<0.025
Trichloroethene															<0.025	<0.025
Trichlorofluoromethane															<0.025	<0.025
Vinyl acetate															<0.025	<0.025

Table 7
Compressor Building Secondary Soil Analytical Data
Chevron/Texaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Compressor Building Auger Holes												Engine Room	
	Station Name	CBAH005	CBAH005	CBAH006	CBAH006	CBAH007	CBAH007	CBAH007	CBAH007	CBAH010	CBAH010	CBAH010	ERNS	ERSS
Sample Collection Date		10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	4/3/2002	10/17/1995	10/17/1995	10/17/1995	8/9/1996	8/9/1996
Depth (feet)		0.5	2	3.9	6.3	1	5	12	15	7	0.5	4	8.2	6.4
Vinyl chloride													<0.025	<0.025
Semi-Volatile Organic Compound														
1-Chloronaphthalene													<0.25	<2.5
1-Naphthylamine													<1.25	<12.5
2,4,5-Trichlorophenol													<1.25	<12.5
2,4,6-Trichlorophenol													<1.25	<12.5
2,4-Dichlorophenol													<1.25	<12.5
2,4-Dimethylphenol													<1.25	<12.5
2,4-Dinitrophenol													<0.25	<2.5
2,4-Dinitrotoluene													<1.25	<12.5
2,6-Dichlorophenol													<0.25	<2.5
2,6-Dinitrotoluene													<1.25	<12.5
2-Chloronaphthalene													<0.25	<2.5
2-Chlorophenol													<1.25	<12.5
2-Methylnaphthalene													<0.25	4.37
2-Methylphenol (o-Cresol)													<1.25	<2.5
2-Nitroaniline													<1.25	<12.5
2-Nitrophenol													<0.25	<2.5
2-Picoline													<0.25	<2.5
3,3-Dichlorobenzidine													<1.25	<12.5
3-Methylcholanthrene													<0.25	<2.5
3-Nitroaniline													<1.25	<12.5
4,6-Dinitro-2-methylphenol													<0.25	<2.5
4-Aminobiphenyl													<1.25	<12.5
4-Bromophenyl phenyl ether													<0.25	<2.5
4-Chloro-3-methylphenol													<1.25	<12.5
4-Chloroaniline													<0.25	<2.5
4-Chlorophenyl phenyl ether													<1.25	<12.5
4-Methyl-2-pentanone (MEK)													<1.25	<12.5
4-Nitroaniline													<1.25	<12.5
4-Nitrophenol													<1.25	<12.5
7,12-Dimethylbenz(a)anthracene													<0.25	<2.5
Acenaphthene													<0.25	<2.5
Acenaphthylene													<0.25	<2.5
Acetophenone													<1.25	<12.5
Aniline													<1.25	<12.5
Anthracene													<0.25	<2.5
Benzidine													<0.25	<2.5
Benzo(a)anthracene													<0.25	<2.5
Benzo(a)pyrene													<0.25	<2.5
Benzo(b)fluoranthene													<0.25	<2.5
Benzo(g,h,i)perylene													<0.25	<2.5
Benzo(k)fluoranthene													<0.25	<2.5
Benzoic Acid													<2.5	<2.5

Table 7
Compressor Building Secondary Soil Analytical Data
Chevron/Texaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Compressor Building Auger Holes													Engine Room	
	Station Name	CBAH005	CBAH005	CBAH006	CBAH006	CBAH007	CBAH007	CBAH007	CBAH007	CBAH010	CBAH010	CBAH010	CBAH010	ERNS	ERSS
Sample Collection Date		10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	8/9/1996	8/9/1996
Depth (feet)		0.5	2	3.9	6.3	1	5	12	15	7	0.5	4	0.5	8.2	6.4
Benzyl alcohol														<1.25	<12.5
Bis(2-chloroethoxy)methane														<0.25	<2.5
Bis(2-chloroethyl)ether														<1.25	<12.5
Bis(2-chloroisopropyl)ether														<1.25	<12.5
Bis(2-ethylhexyl)phthalate														<0.25	<2.5
Butyl benzyl phthalate														<0.25	<2.5
Chrysene														<0.25	<2.5
Dibenz(a,h)anthracene														<0.25	<2.5
Dibenzo(a,j)acridine														<0.25	<2.5
Dibenzofuran														<1.25	<12.5
Dieldrin														<0.0025	<0.0025
Diethyl phthalate														<0.25	<2.5
Dimethylphthalate														<0.25	<2.5
Di-n-butylphthalate														<0.25	<2.5
Di-n-octylphthalate														<0.25	<2.5
Ethyl methanesul fonate														<0.25	<2.5
Fluoranthene														<0.25	<2.5
Fluorene														<0.25	<2.5
Hexachlorobenzene														<0.25	<2.5
Hexachlorobutadiene														<0.25	<2.5
Hexachlorocyclopentadiene														<0.25	<2.5
Hexachloroethane														<0.25	<2.5
Indeno(1,2,3-cd)pyrene														<0.25	<2.5
Isophorone														<1.25	<12.5
Methyl methanesulfonate														<0.25	<2.5
Naphthalene														<0.25	<2.5
Nitrobenzene														<0.25	<2.5
N-Nitrosodimethylamine														<0.25	<2.5
N-Nitroso-di-n-butylamine														<0.25	<12.5
N-Nitrosodi-n-propylamine														<1.25	<12.5
N-Nitrosodiphenylamine														<0.25	<2.5
N-Nitrosopiperidine														<1.25	<12.5
Pentachloropheno														<1.25	<12.5
Phenacetin														<1.25	<12.5
Phenanthrene														<0.25	<2.5
Phenol														<0.25	<2.5
Pronamide														<0.25	<2.5
Pyrene														<0.25	<2.5
Organochlorine Pesticides														<0.00125	<0.00125
a,a-Dimethylphenethylamine														<0.00125	<0.00125
a-BHC														<0.00125	<0.00125
a-Chlordane														<0.00125	<0.00125
Aldrin														<0.00125	<0.00125
b-BHC														<0.00125	<0.00125

Table 7
Compressor Building Secondary Soil Analytical Data
Chevron/Texaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Compressor Building Auger Holes												Engine Room	
	CBAH005	CBAH005	CBAH006	CBAH006	CBAH007	CBAH007	CBAH007	CBAH007	CBAH010	CBAH010	CBAH010	CBAH011	ERNS	ERSS
Station Name	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	8/9/1996	8/9/1996
Sample Collection Date	0.5	2	3.9	6.3	1	5	12	15	7	0.5	4	0.5	8.2	6.4
Depth (feet)													<0.025	<0.025
Bromodichloroethane													<0.125	<0.125
cis 1,4-Dichloro-2-butene													<0.0125	<0.0125
d-BHC													<1.25	<12.5
Diphenylhydrazine													<0.0025	<0.0025
Endosulfan Sulfate/p,p'-DDT													<0.00125	<0.00125
Endosulfan-1													<0.0025	<0.0025
Endosulfan-2													<0.0025	<0.0025
Endrin													<0.0025	<0.0025
Endrin Aldehyde													<0.0025	<0.0025
Endrin Ketone													<0.00125	<0.00125
g-BHC													<0.00125	<0.00125
g-Chlordane													<0.00125	<0.00125
Heptachlor													<0.00125	<0.00125
Heptachlor epoxide													<0.00125	<0.00125
Methoxychlor													<0.0025	<0.0025
p,p'-DDD													<0.0025	<0.0025
p,p'-DDE													<0.125	<0.125
Toxaphene														
Poly Chlorinated Biphenyls														
Aroclor 1016														
Total BTEX	.555	<0.05	<0.05	<0.05	<0.25	<0.05	.211	<0.05		<0.25	<0.05	<0.25	<0.25	<0.25
Total PCB														

Table 8
Plant Perimeter Soil Analytical Data
Chevron/Texaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Plant Perimeter Geoprobe													
Station Name	PS01	PS01	PS02	PS02	PS02	PS03	PS03	PS03	PS04	PS04	PS04	PS05	PS05	PS06	PS07
Sample Collection Date	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001
Depth (feet)	0.5	2	0.5	2	2	0.5	2	2	0.5	2	2	0.5	2	2	0.5
Arsenic									2	1					
Barium									21	17					
Cadmium									<5	<5					
Chromium (Total)	6	9	<5	9	18	13	8	5	11	8	<5	59	<2	6	
Hex Chromium (Total)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Lead							4	3							
Mercury							<0.5	<0.5							
Selenium							<5	<5							
Silver							<5	<5							

Table 8
Plant Perimeter Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Plant Perimeter Geoprobe													
Station Name	PS07	PS08	PS08	PS08	PS09	PS09	PS10	PS10	PS11	PS11	PS12	PS12	PS13	PS13	
Sample Collection Date	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	
Depth (feet)	2	0.5	2	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	
Arsenic		6	2								1	4			
Barium		11	16								11	66			
Cadmium		<5	<5								<5	<5			
Chromium (Total)	6	6	7		<5	6	6	8	9	9	<5	11	7	9	
Hex Chromium (Total)	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Lead		2	3								2	7			
Mercury		<0.5	<0.5								<0.5	<0.5			
Selenium		<5	<5								<5	<5			
Silver		<5	<5								<5	<5			

Table 8
Plant Perimeter Soil Analytical Data
Chevron/Texaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Plant Perimeter Geoprobe													
Station Name	PS14	PS14	PS15	PS15	PS16	PS16	PS17	PS17	PS18	PS18	PS19	PS19	PS20	PS20	PS20
Sample Collection Date	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001
Depth (feet)	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5
Arsenic			2	2		2					3	<1			
Barium			20	15		15					161	70			
Cadmium			<5	<5		<5					<5	<5			
Chromium (Total)	22	15	10	6	98	15	9	14	24	16	35	22	22	22	22
Hex Chromium (Total)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Lead			4	3							18	10			
Mercury			<0.5	<0.5							<0.5	<0.5			
Selenium			<5	<5							<5	<5			
Silver			<5	<5							<5	<5			

Table 8
 Plant Perimeter Soil Analytical Data
 ChevronTexaco Eunice #2 (North) Gas Plant
 Eunice, Lea County, New Mexico
 (ppm)

Sample Grouping	Plant Perimeter Geoprobe													
	Station Name	PS20	PS21	PS21	PS22	PS22	PS23	PS23	PS23	PS24	PS24	PS25	PS25	PS26
Sample Collection Date	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001
Depth (feet)	2	0.5	2	2	0.5	2	0.5	2	2	0.5	2	0.5	2	2
Arsenic		1	3	75			118	70						21
Barium		9	<5	<5			<5	<5						<5
Cadmium		13	35	22	9	14	7	7	8	27	20	24	31	2
Chromium (Total)	9	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Hex Chromium (Total)		2	7	6			6	7				4	2	2
Lead		<0.5	<0.5	<0.5			<0.5	<0.5				<0.5	<0.5	<0.5
Mercury		<5	<5	<5			<5	<5				<5	<5	<5
Selenium		<5	<5	<5			<5	<5				<5	<5	<5
Silver														

Table 8
Plant Perimeter Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Plant Perimeter Geoprobe													
	Station Name	PS27	PS27	PS28	PS28	PS29	PS29	PS30	PS30	PS31	PS31	PS32	PS32	PS33
Sample Collection Date	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001
Depth (feet)	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2
Arsenic	<1		1		16	22	<5							2
Barium	10													44
Cadmium	<5													<5
Chromium (Total)	<5	19	7	25	52	47	18	16	<5	11	<5	11	7	7
Hex Chromium (Total)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Lead	2				3	2								5
Mercury					<0.5	<0.5								<0.5
Selenium	<5				<5	<5								<5
Silver	<5				<5	<5								<5

Table 8
Plant Perimeter Soil Analytical Data
Chevron/Texaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Plant Perimeter Geoprobe													
Station Name		PS33	PS34	PS34	PS35	PS35	PS35	PS36	PS36	PS37	PS37	PS38	PS38	PS39	PS39
Sample Collection Date		11/13/2001	11/13/2001	11/13/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001
Depth (feet)		2	0.5	2	0.5	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2
Arsenic		3			<1		4			3					
Barium		35			17		50			39					
Cadmium		<5			<5		<5			<5					
Chromium (Total)		12	8	5	<5	<5	11	<5	7	<5	11	<5	11	<5	9
Hex Chromium (Total)		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Lead		5			2		7			6					
Mercury		<0.5			<0.5		<0.5			<0.5					
Selenium		<5			<5		<5			<5					
Silver		<5			<5		<5			<5					

Table 8
Plant Perimeter Soil Analytical Data
Chevron/Texaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Plant Perimeter Geoprobe													
Station Name		PS40	PS40	PS41	PS41	PS42	PS42	PS43	PS43	PS44	PS44	PS45	PS45	PS46	
Sample Collection Date	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001
Depth (feet)	0.5	2	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	
Arsenic				1	<1							1	1		
Barium				13	27							42	16		
Cadmium				<5	<5							<5	<5		
Chromium (Total)	<5	6	<5	<5	7	<5	<5	<5	<5	<5	6	6	<5	8	
Hex Chromium (Total)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Lead				2	5							4	3		
Mercury				<0.5	<0.5							<0.5	<0.5		
Selenium				<5	<5							<5	<5		
Silver				<5	<5							<5	<5		

Table 8
 Plant Perimeter Soil Analytical Data
 Chevron/Texaco Eunice #2 (North) Gas Plant
 Eunice, Lea County, New Mexico
 (ppm)

Sample Grouping		Plant Perimeter Geoprobe									
Station Name		PS46	PS47	PS47	PS48	PS48	PS49	PS49	PS49	PS50	PS50
Sample Collection Date	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001	11/12/2001
Depth (feet)	2	2	0.5	2	2	0.5	2	0.5	2	0.5	2
Arsenic											
Barium											
Cadmium											
Chromium (Total)	9	8	10	<5	<5	11	9	24	<5		
Hex Chromium (Total)	<2	<2	<2	<2	<2	<2	<2	<2	<2		
Lead											
Mercury											
Selenium											
Silver											

Table 9
Background Soil Analytical Data
Chevron/Texaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Background Boreholes													
Station Name		BGBH-1	BGBH-1	BGBH-1	BGBH-1	BGBH-1	BGBH-1	BGBH-1	BGBH-1	BGBH-2	BGBH-2	BGBH-2	BGBH-2	BGBH-2	BGBH-2
Sample Collection Date		11/15/2001	11/15/2001	11/15/2001	11/15/2001	11/15/2001	11/15/2001	11/15/2001	11/15/2001	11/15/2001	11/15/2001	11/15/2001	11/15/2001	11/15/2001	11/15/2001
Depth (feet)		1	2-4	5	10	20	30	1	2-4	5	10	20	30		
Arsenic		1		2	1	1	<1	<1		2	2	<1	2		
Barium		38		146	208	131	63	23		133	233	98	43		
Cadmium		<5		<5	<5	<5	<5	<5		<5	<5	<5	<5		
Chromium (Total)		40		<5	<5	<5	<5	7		8	<5	<5	<5		
Hex Chromium (Total)		<2		<2	<2	<2	<2	<2		<2	<2	<2	<2		
Lead		10		<1	<1	<1	2	6		6	1	1	1		
Mercury		<0.5		<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5		
Selenium		<5		<5	<5	<5	<5	<5		<5	<5	<5	<5		
Silver		<5		<5	<5	<5	<5	<5		<5	<5	<5	<5		
Corrosivity (pH-Solids & Wastes), solid			8.1							7.8					
Fraction Organic Carbon			1.9							1.8					

Table 10
Southwest Drainage Area Primary Soil Analytical Data
Chevron/Texaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Cooling Tower Boreholes				Southwest Drainage Auger Holes											
Station Name	CTBH07	CTBH07	CTBH07	CTBH07	SWAH001	SWAH001	SWAH002	SWAH002	SWAH002	SWAH002	SWAH002	SWAH003	SWAH003	SWAH003	SWAH003	SWAH003	SWBH001
Sample Collection Date	4/2/2002	4/2/2002	4/2/2002	4/2/2002	8/19/1997	8/19/1997	8/19/1997	8/19/1997	10/26/2001	10/26/2001	10/26/2001	8/19/1997	8/19/1997	10/26/2001	10/26/2001	10/26/2001	11/4/1997
Depth (feet)	2	5	5	6.5	0.5	2	0.5	2	0.5	2	0.5	0.5	2	0.5	2	0.5	5
Arsenic	<5	<5	<5		<10	<10	<10	<10	<1	<1	<1	<10	<10	<1	<1	1	
Barium	32	163			28	37	<20	29	16	25	25	48	25	23	26		
Cadmium	<5	<5			<2	<2	<2	<2	<5	<5	<5	<2	<2	<5	<5	<5	
Chromium (Total)	14	6	25	<2	11	20	42	57	39	37	37	55	32	42	43	61	
Hex Chromium (Total)	<2	<2	<2	<2			<2	<2	<2	<2	<2			<2	<2		
Lead	<5	<5	<5		<10	<10	<10	<10	3	5	5	120	<10	5	5		
Mercury	<0.5	<0.5	<0.5		<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.5	<0.25	<0.25	<0.5	<0.5		
Selenium	<5	<5	<5		<10	<10	<10	<10	<5	<5	<5	<10	<10	<5	<5		
Silver	<5	<5	<5		<0.50	<0.50	<0.50	<0.50	<5	<5	<5	<0.50	<0.50	<5	<5		
Benzene																	
Ethylbenzene																	
Toluene																	
Xylenes (total)																	

Table 10
Southwest Drainage Area Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Southwest Drainage Boreholes													
	SWBH001	SWBH001	SWBH001	SWBH001	SWBH001	SWBH002	SWBH002	SWBH002	SWBH002	SWBH002	SWBH003	SWBH003	SWBH003	SWBH004
Station Name	11/4/1997	11/4/1997	10/31/2001	10/31/2001	10/31/2001	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997
Sample Collection Date	10	20	0.5	0.5	2	5	10	20	20	5	10	20	5	10
Depth (feet)														
Arsenic														
Barium														
Cadmium														
Chromium (Total)	14	<5	20	20	65	16	15	<5	<5	<5	<5	<5	<5	8.7
Hex Chromium (Total)														
Lead														
Mercury														
Selenium														
Silver														
Benzene														
Ethylbenzene														
Toluene														
Xylenes (total)														

Table 10
Southwest Drainage Area Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Southwest Drainage Boreholes													
Station Name	SWBH005	SWBH005	SWBH005	SWBH006	SWBH006	SWBH006	SWBH006	SWBH006	SWBH006	SWBH006	SWBH006	SWBH006	SWBH007	SWBH007
Sample Collection Date	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	10/30/2001	10/30/2001	10/30/2001	11/4/1997	11/4/1997
Depth (feet)	5	10	20	5	10	15	20	30	0.5	2	5	5	5	10
Arsenic									2	2	3	3		
Barium									67	33	21	21		
Cadmium									<5	<5	<5	<5		
Chromium (Total)	65	<5	<5	29	20	<5	<5	<5	149	86	14	23	5.3	
Hex Chromium (Total)									<2	<2	<2	<2		
Lead									4	3	5	5		
Mercury									<0.5	<0.5	<0.5	<0.5		
Selenium									<5	<5	<5	<5		
Silver									<5	<5	<5	<5		
Benzene														
Ethylbenzene														
Toluene														
Xylenes (total)														

Table 10
Southwest Drainage Area Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Southwest Drainage Boreholes															
	SWBH007	SWBH007	SWBH007	SWBH007	SWBH007	SWBH007	SWBH007	SWBH007	SWBH007	SWBH007	SWBH007	SWBH007	SWBH007	SWBH007	SWBH007	SWBH007
Station Name	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997
Sample Collection Date	15	20	25	30	5	10	15	20	25	30	5	10	15	20	30	5
Depth (feet)																
Arsenic																
Barium																
Cadmium																
Chromium (Total)	<5	<5	<5	<5	33	24	12	9	<5	<5	43	6.3	<5	<5		
Hex Chromium (Total)																
Lead																
Mercury																
Selenium																
Silver																
Benzene																
Ethylbenzene																
Toluene																
Xylenes (total)																

Table 10
Southwest Drainage Area Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Southwest Drainage Boreholes															
Station Name	SWBH009	SWBH009	SWBH009	SWBH009	SWBH009	SWBH010	SWBH010	SWBH010	SWBH010	SWBH010	SWBH010	SWBH010	SWBH010	SWBH011	SWBH011	SWBH011	SWBH011
Sample Collection Date	12/4/1997	12/4/1997	12/4/1997	11/1/2001	11/1/2001	12/4/1997	12/4/1997	12/4/1997	12/4/1997	12/4/1997	12/4/1997	11/1/2001	11/1/2001	12/4/1997	12/4/1997	12/4/1997	12/4/1997
Depth (feet)	25	30	40	0.5	2	5	10	15	20	0.5	2	4	37	10	15		
Arsenic				1	3					<1							
Barium				24	37					26							
Cadmium				<5	<5					<5	<5						
Chromium (Total)	<5	5.8	<5	35	35	120	7.4	<5	<5	58	60	11	7.1	<5			
Hex Chromium (Total)				<2	<2					<2	<2						
Lead				3	5					4	5						
Mercury				<0.5	<0.5					<0.5	<0.5						
Selenium				<5	<5					<5	<5						
Silver				<5	<5					<5	<5						
Benzene																	
Ethylbenzene																	
Toluene																	
Xylenes (total)																	

Table 10
Southwest Drainage Area Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Southwest Drainage Boreholes															
Station Name	SWBH011	SWBH011	SWBH012	SWBH012	SWBH012	SWBH012	SWBH012	SWBH012	SWBH012	SWBH013	SWBH013	SWBH013	SWBH014	SWBH014	SWBH014	SWBH015	SWBH015
Sample Collection Date	12/4/1997	12/4/1997	12/4/1997	12/4/1997	12/4/1997	12/4/1997	12/4/1997	12/4/1997	12/4/1997	10/30/2001	10/30/2001	10/30/2001	10/31/2001	10/31/2001	10/31/2001	10/30/2001	10/31/2001
Depth (feet)	20	25	5	10	15	20	20	20	20	2	2	0.5	2	2	0.5	2	0.5
Arsenic										5	5	5	1	1	2	2	3
Barium										64	76	34	30	30	31	21	31
Cadmium										<5	<5	<5	<5	<5	<5	<5	<5
Chromium (Total)	<5	6.1	<5	<5	<5	<5	<5	<5	<5	586	24	138	55	55	71	56	196
Hex Chromium (Total)										7	<2	2	<2	<2	<2	<2	6
Lead										6	7	2	3	3	3	3	3
Mercury										0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Selenium										<5	<5	<5	<5	<5	<5	<5	<5
Silver										<5	<5	<5	<5	<5	<5	<5	<5
Benzene																	
Ethylbenzene																	
Toluene																	
Xylenes (total)																	

Table 10
Southwest Drainage Area Primary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Southwest Drainage Boreholes														Trash Pit
Station Name	SWBH017	SWBH017	SWBH018	SWBH018	SWBH019	SWBH019	SWBH020	SWBH020	SWBH021	SWBH021	SWBH022	SWBH022	SWBH022	SWBH022	TPA001	
Sample Collection Date	11/1/2001	11/1/2001	11/2/2001	11/2/2001	11/5/2001	11/5/2001	11/2/2001	11/2/2001	11/5/2001	11/5/2001	11/5/2001	11/5/2001	11/5/2001	11/5/2001	8/9/1996	
Depth (feet)	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	4.5	
Arsenic	1	1	2	3	<1	1	2	<1	<1	1	1	1	1	3	10.4	
Barium	44	24	45	29	61	37	83	35	46	43	24	24	24	37	163	
Cadmium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	
Chromium (Total)	12	11	64	55	37	28	33	26	9	57	40	40	40	42	<5	
Hex Chromium (Total)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Lead	3	3	4	4	3	3	3	3	2	4	3	3	3	5	<10	
Mercury	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.25	
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	
Silver	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.50	
Benzene															<0.025	
Ethylbenzene															<0.025	
Toluene															<0.025	
Xylenes (total)																

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Table 11
Southwest Drainage Area Secondary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Trash Pit
Station Name	TPA001
Sample Collection Date	8/9/1996
Depth (feet)	4.5
Volatile Organic Compound	
1,1,1-Trichloroethane	<0.025
1,1,2,2-Tetrachloroethane	<0.025
1,1,2-Trichloroethane	<0.025
1,1-Dichloroethane	<0.025
1,2,4,5-Tetrachlorobenzene	<0.25
1,2,4-Trichlorobenzene	<0.25
1,2-Dichlorobenzene	<0.25
1,2-Dichloroethane	<0.025
1,2-Dichloropropane	<0.025
1,3-Dichlorobenzene	<0.25
1,4-Dichlorobenzene	<0.25
2,3,4,6-Tetrachlorophenol	<1.25
2-Butanone (MEK)	<1.25
2-Hexanone	<1.25
2-Napthylamine	<1.25
Bromodichloromethane	<0.025
Bromoform	<0.025
Bromomethane	<0.125
Carbon disulfide	<0.025
Carbon tetrachloride	<0.025
Chlorobenzene	<0.025
Chloroethane	<0.025
Chloroform	<0.025
Chloromethane	<0.025
cis-1,3-Dichloropropene	<0.025
Dibromochloromethane	<0.025
Dichlorodifluoromethane	<0.025
Iodomethane	<0.125
m,p-Cresol	<0.25
m,p-Xylene	<0.025
Methylene chloride	<0.125
o-Xylene	<0.025
p-Dimethylaminoazobenzene	<0.25
Pentachlorobenzene	<0.25
Pentachloronitrobenzene	<1.25
Styrene	<0.025
Tetrachloroethene	<0.025
trans-1,2-Dichloroethene	<0.025
trans-1,3 Dichloropropene	<0.025
trans-1,4-Dichloro-2-butene	<0.125
Trichloroethene	<0.025
Trichlorofluoromethane	<0.025

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Table 11
Southwest Drainage Area Secondary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Trash Pit
Station Name	TPA001
Sample Collection Date	8/9/1996
Depth (feet)	4.5
Vinyl acetate	<0.025
Vinyl chloride	<0.025
Semi-Volatile Organic Compound	
1-Chloronaphthalene	<0.25
1-Naphthylamine	<1.25
2,4,5-Trichlorophenol	<1.25
2,4,6-Trichlorophenol	<1.25
2,4-Dichlorophenol	<1.25
2,4-Dimethylphenol	<1.25
2,4-Dinitrophenol	<1.25
2,4-Dinitrotoluene	<0.25
2,6-Dichlorophenol	<1.25
2,6-Dinitrotoluene	<0.25
2-Chloronaphthalene	<0.25
2-Chlorophenol	<1.25
2-Methylnaphthalene	4.37
2-Methylphenol (o-Cresol)	<0.25
2-Nitroaniline	<1.25
2-Nitrophenol	<1.25
2-Picoline	<0.25
3,3-Dichlorobenzidine	<0.25
3-Methylcholanthrene	<0.25
3-Nitroaniline	<1.25
4,6-Dinitro-2-methylphenol	<0.25
4-Aminobiphenyl	<1.25
4-Bromophenyl phenyl ether	<0.25
4-Chloro-3-methylphenol	<1.25
4-Chloroaniline	<1.25
4-Chlorophenyl phenyl ether	<0.25
4-Methyl-2-pentanone (MEK)	<1.25
4-Nitroaniline	<1.25
4-Nitrophenol	<1.25
7,12-Dimethylbenz(a)anthracene	<0.25
Acenaphthene	<0.25
Acenaphthylene	<0.25
Acetophenone	<1.25
Aniline	<1.25
Anthracene	<0.25
Benzidine	<2.5
Benzo(a)anthracene	<0.25
Benzo(a)pyrene	<0.25
Benzo(b)fluoranthene	<0.25
Benzo(g,h,i)perylene	<0.25

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Table 11
Southwest Drainage Area Secondary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Trash Pit
Station Name	TPA001
Sample Collection Date	8/9/1996
Depth (feet)	4.5
Benzo(k)fluoranthene	<0.25
Benzoic Acid	<2.5
Benzyl alcohol	<1.25
Bis(2-chloroethoxy)methane	<0.25
Bis(2-chloroethyl)ether	<1.25
Bis(2-chloroisopropyl)ether	<1.25
Bis(2-ethylhexyl)phthalate	<0.25
Butyl benzyl phthalate	<0.25
Chrysene	<0.25
Dibenz(a,h)anthracene	<0.25
Dibenzo(a,j)acridine	<0.25
Dibenzofuran	<1.25
Dieldrin	<0.0025
Diethyl phthalate	<0.25
Dimethylphthalate	<0.25
Di-n-butylphthalate	<0.25
Di-n-octylphthalate	<0.25
Ethyl methanesul fonate	<0.25
Fluoranthene	<0.25
Fluorene	<0.25
Hexachlorobenzene	<0.25
Hexachlorobutadiene	<0.25
Hexachlorocyclopentadiene	<0.25
Hexachloroethane	<0.25
Indeno(1,2,3-cd)pyrene	<0.25
Isophorone	<1.25
Methyl methanesulfonate	<0.25
Naphthalene	<0.25
Nitrobenzene	<0.25
N-Nitrosodimethylamine	<0.25
N-Nitroso-di-n-butylamine	<1.25
N-Nitrosodi-n-propylamine	<0.25
N-Nitrosodiphenylamine	<0.25
N-Nitrosopiperidine	<1.25
Pentachlorophenol	<1.25
Phenacetin	<1.25
Phenanthrene	<0.25
Phenol	<0.25
Pronamide	<0.25
Pyrene	<0.25
Organochlorine Pesticides	
a,a-Dimethylphenethylamine	<0.25
a-BHC	<0.00125

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Table 11
Southwest Drainage Area Secondary Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Trash Pit
Station Name	TPA001
Sample Collection Date	8/9/1996
Depth (feet)	4.5
a-Chlordane	<0.00125
Aldrin	<0.00125
b-BHC	<0.00125
Bromodichloroethane	<0.025
cis 1,4-Dichloro-2-butene	<0.125
d-BHC	<0.0125
Diphenylhydrazine	<1.25
Endosulfan Sulfate/p,p'-DDT	<0.0025
Endosulfan-1	<0.00125
Endosulfan-2	<0.0025
Endrin	<0.0025
Endrin Aldehyde	<0.0025
Endrin Ketone	<0.0025
g-BHC	<0.00125
g-Chlordane	<0.00125
Heptachlor	<0.00125
Heptachlor epoxide	<0.00125
Methoxychlor	<0.0125
p,p'-DDD	<0.0025
p,p'-DDE	<0.0025
Toxaphene	<0.125
Poly Chlorinated Biphenyls	
Total BTEX	<0.025
Total PCB	<0.25

Table 12
Cooling Tower Area Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Cooling Tower Boreholes															
Station Name	CTBH01	CTBH01	CTBH01	CTBH01	CTBH01	CTBH02	CTBH02	CTBH02	CTBH02	CTBH02	CTBH02	CTBH02	CTBH03	CTBH03	CTBH03	CTBH03
Sample Collection Date	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997	11/4/1997
Depth (feet)	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	40
Arsenic																
Barium																
Cadmium																
Chromium (Total)	6.2	8	<5	<5	<5	<5	<5	5.3	<5	<5	<5	7.4	<5	<5	<5	<5
Hex Chromium (Total)																
Lead																
Mercury																
Selenium																
Silver																
TPH DRO																
TPH GRO																
Benzene																
Ethylbenzene																
Toluene																
Xylenes (total)																

Table 12
Cooling Tower Area Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Cooling Tower Boreholes															
	CTBH04	CTBH04	CTBH05	CTBH05	CTBH06	CTBH06	CTBH06	CTBH06	CTBH07	CTBH07	CTBH07	CTBH08	CTBH08	CTBH08	CTBH09	CTBH09
Station Name	4/2/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002	4/2/2002
Sample Collection Date	2	4.5	2	4	2	5	10	15	2	5	6.5	2	4	2	2	5
Depth (feet)	<5	<5	<5	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Arsenic	35	218	32	172	12	42	42		32	163		12	72	22	22	196
Barium	<5	<5	<5	<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5
Cadmium	17	8	29	72	20	24	21	30	14	6	25	38	144	93	79	79
Chromium (Total)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Hex Chromium (Total)	<5	<5	<5	<5	<5	<5	<5		<5	<5		<5	6	<5	<5	<5
Lead	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5		1.9	<0.5	<0.5	<0.5	<0.5
Mercury	<5	<5	<5	<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5
Selenium	<5	<5	<5	<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5
Silver																
TPH DRO							1900	1000								
TPH GRO							1850	432								
Benzene							<0.05	<0.05								
Ethylbenzene							0.99	0.3								
Toluene							<0.1	<0.1								
Xylenes (total)							<0.05	<0.05								

Table 12
Cooling Tower Area Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping	Cooling Tower Soil Borings															
	Station Name	CTSB01	CTSB01	CTSB01	CTSB01	CTSB02	CTSB02	CTSB02	CTSB02	CTSB02	CTSB02	CTSB03	CTSB03	CTSB03	CTSB04	CTSB04
Sample Collection Date	10/23/2001	10/23/2001	10/23/2001	10/23/2001	10/23/2001	10/24/2001	10/24/2001	10/24/2001	10/24/2001	10/24/2001	10/24/2001	10/24/2001	10/24/2001	10/24/2001	10/25/2001	10/25/2001
Depth (feet)	2	5	10	34	152	2	5	10	20	4	20	5	10	2	5	10
Arsenic	3					1		2	<5	4			<1	1		<1
Barium	96					134		<5	<5	147			81	107		72
Cadmium	<5					<5		<5	<5	<5			<5	<5		<5
Chromium (Total)	13	12	44	44	5	<5	21	8	7	7		6	<5	<5	<5	<5
Hex Chromium (Total)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2
Lead	5		31	31	1	<1		6	<1	<1			2	2		2
Mercury	1.4		<0.5	<0.5		<0.5		<0.5	<0.5	<0.5			<0.5	<0.5		<0.5
Selenium	<5		31	31	<5	<5		<5	<5	<5			<5	<5		<5
Silver	<5		21	21	<5	<5		<5	<5	<5			<5	<5		<5
TPH DRO																
TPH GRO																
Benzene																
Ethylbenzene																
Toluene																
Xylenes (total)																

Table 13
Monitoring Well and City Park Area Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Monitoring Wells															
Station Name	MW001	MW002	MW002	MW002	MW002	MW002	MW002	MW002	MW002	MW002	MW002	MW002	MW002	MW002	MW002	MW002	MW002
Sample Collection Date	7/22/1996	7/22/1996	3/31/1997	3/31/1997	3/31/1997	3/31/1997	3/31/1997	3/31/1997	3/31/1997	3/31/1997	3/12/2002	3/12/2002	3/12/2002	3/13/2002	3/13/2002	3/13/2002	3/18/2002
Depth (feet)	25	55	10	<10	<10	20	<10	30	<10	40	50	0.5	2	0.5	2	0.5	2
Arsenic			<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<5	<5	<5	<5	<5
Barium			61	<5	<5	270	<5	170	<5	<5	<5	79	21	<5	<5	80	172
Cadmium			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chromium (Cr) - TCLP																	
Chromium (Total)			<5	<5	<5	<5	<5	37	<5	<5	62	<5	<5	<5	<5	<5	<5
Hex Chromium (Total)																	
Lead			<10	<10	<10	<10	<10	<10	<10	<10	<10	7	<5	<5	<5	13	28
Mercury			<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Selenium			<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<5	<5	<5	<5	<5
Silver			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trivalent Chromium																	
TPH DRO																	<8.2
TPH GRO																	<1
TPH	17.6	90.2															
Total BTEX	<0.05	4.816															
Benzene	<0.05	<0.05															<0.05
Toluene	<0.05	.243															<0.1
Ethylbenzene	<0.05	1.13															<0.05
Xylenes (total)	<0.05	3.443															<0.05

Table 13
Monitoring Well and City Park Area Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Monitoring Wells																	
Station Name	MW037	MW037	MW038	MW038	MW040A	MW040A	MW040A	MW044	MW044	MW044	MW045	MW045	MW045	MW046	MW046	MW046	MW047	MW047	RW002
Sample Collection Date	7/31/2001	7/31/2001	8/1/2001	8/1/2001	3/20/2002	3/20/2002	3/20/2002	3/18/2002	3/18/2002	3/14/2002	3/14/2002	3/14/2002	3/15/2002	3/15/2002	3/15/2002	3/21/2002	3/21/2002	8/21/2001	
Depth (feet)	20	40	20	40	0.5	2	30	45	5	50	15	50	25	50	5				
Arsenic	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Barium	122	12	123	34	56	32	34	19	<5	<5	278	19	139	31					
Cadmium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Chromium (Cr) - TCLP																			
Chromium (Total)	<5	<5	7	<5	5	5	<5	<5	<5	<5	7	<5	<5	<5	<5	<5	<5	18	
Hex Chromium (Total)																		<2	
Lead	<5	<5	<5	<5	6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Mercury	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Silver	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Trivalent Chromium																			
TPH DRO	12	<8.2	<8.2	<8.2			<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3		
TPH GRO	<1.0	<1.0	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
TRPH																			
Total BTEX																			
Benzene	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		
Toluene	<0.1	<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
Ethylbenzene	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		
Xylenes (total)	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		

Table 13
Monitoring Well and City Park Area Soil Analytical Data
ChevronTexaco Eunice #2 (North) Gas Plant
Eunice, Lea County, New Mexico
(ppm)

Sample Grouping		Monitoring Wells			City Park Area Samples									
Station Name		RW002	RW004A	RW004A	SITE 01	SITE 02	SITE 03	SITE 04	SITE 05	SITE 06	SITE 07	SITE 08	SITE 09	SITE 10
Sample Collection Date	8/21/2001	8/23/2001	8/23/2001	8/23/2001	4/16/2001	4/16/2001	4/16/2001	4/16/2001	4/16/2001	4/16/2001	4/16/2001	4/16/2001	4/16/2001	4/17/2001
Depth (feet)	10	5	10		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Arsenic					<3	<3	<3	<3	4	<3	<3	<3	<3	<3
Barium					387	195	158	196	268	1240	333	119	576	829
Cadmium					<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chromium (Cr) - TCLP					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium (Total)	<5	45	8		<5	<5	7	<5	10	5	<5	6	6	<5
Hex Chromium (Total)	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Lead					<5	7	7	<5	7	17	15	13	23	9
Mercury					<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Selenium					<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Silver					<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trivalent Chromium					<1	<1	7	<1	10	5	<1	6	6	<1
TPH DRO														
TPH GRO														
TRPH														
Total BTEX														
Benzene														
Toluene														
Ethylbenzene														
Xylenes (total)														

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Appendix A

Boring Logs

SAMPLE LOG

Boring/Well: BH-1
Site Location: Texaco E & P Eunice #1 (North) Gas Plant
Sample Location: Waste Oil and Water Storage Area (SOA)
Total Depth: 32'
Date Installed: 7/23/96

[illegible]

NOTE:

BH - Borehole (rig-splitspoon sampling)

SAMPLE LOG

Boring/Well: BH-2
Site Location: Texaco E & P Eunice #1 (North) Gas Plant
Sample Location: Waste Oil and Water Storage Area (SOA)
Total Depth: 27'
Date Installed: 7/24/96

[illegible]

NOTE:

BH - Borehole (rig-splitspoon sampling)

SAMPLE LOG

Boring/Well:	BH-3
Site Location:	Texaco E & P Eunice #1 (North) Gas Plant
Sample Location:	Waste Oil and Water Storage Area (SOA)
Total Depth:	27'
Date Installed:	7/24/96

[illegible]

NOTE:

BH - Borehole (rig-splitspoon sampling)

SAMPLE LOG

Boring/Well:	BH-4
Site Location:	Texaco E & P Eunice #1 (North) Gas Plant
Sample Location:	Waste Oil and Water Storage Area (SOA)
Total Depth:	37'
Date Installed:	7/24/96

[illegible]

NOTE:

BH - Borehole (rig-splitspoon sampling)

SAMPLE LOG

Boring/Well: BH-5
Site Location: Texaco E & P Eunice #1 (North) Gas Plant
Sample Location: Waste Oil and Water Storage Area (SOA)
Total Depth: 37'
Date Installed: 7/24/96

[illegible]

NOTE:

* Selected for analysis
BH - Borehole (rig-splitspoon sampling)

SAMPLE LOG

Boring/Well: BH-6
Site Location: Texaco E & P Eunice #1 (North) Gas Plant
Sample Location: Waste Oil and Water Storage Area (SOA)
Total Depth: 42'
Date Installed: 7/24/96

[illegible]

NOTE:

- * Selected for analysis
BH - Borehole (rig-splitspoon sampling)

SAMPLE LOG

Boring/Well: BH-7
Site Location: Texaco E & P Eunice #1 (North) Gas Plant
Sample Location: Waste Oil and Water Storage Area (SOA)
Total Depth: 37'
Date Installed: 7/25/96

Depth (Ft)	OVM	SAMPLE DESCRIPTION
0.5-1	489	Black and gray staining, fine grain sand, strong odor
1-3	-	Black and gray staining, fine grain sand, strong odor
5-7	415	Caliche layer, grayish staining, trace fine grain sand
10-12	450	Tan, fine grain sand, trace caliche, trace gray staining
15-17	153	Tan, fine grain sand, layer dense white caliche, no staining
19	-	Dense caliche layer
20-22	26	White caliche layer, some layers of fine grain sand, trace odor
25-27	19	Tan, fine grain sand, well sorted, clean, loose
30-32	7	Tan, fine grain sand, well sorted, clean, loose, some layers of sandstone, damp
35-37	6	Tan, fine grain sand, well sorted, clean, loose, some layers of sandstone, damp
		TD- 37'

NOTE:

BH - Borehole (rig-splitspoon sampling)

SAMPLE LOG

Boring/Well: BH-8
Site Location: Texaco E & P Eunice #1 (North) Gas Plant
Sample Location: Waste Oil and Water Storage Area (SOA)
Total Depth: 27'
Date Installed: 7/25/96

[illegible]

NOTE:

* Selected for analysis

BH - Borehole (rig-splitspoon sampling)

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BORING LOG

BORING NO.

NSBH-3

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER:	MT000700.0003	DRILLING CO:	Scarborough Drilling Co.
CLIENT NAME:	ChevronTexaco Exploration & Production Company	DRILLING METHOD:	Rotary
PROJECT NAME:	North Eunice Soil Investigation	DRILLER:	S. Scarborough
SITE LOCATION:	Eunice, New Mexico	LOGGER:	L. Markham
UNIQUE NUMBER:	31-014-00588	FILE NAME:	NSBH-3.DAT
		DATE BEGUN:	01/23/02
		DATE COMPLETED:	01/23/02

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0									SANDY CLAY: 7.5 YR 4/4 brown, 60% CLAY, 40% fine-grained to medium-grained SAND, moist, compactable, slight odor & heavy staining at 3-7' range.
-5		Split Spoon			100%	4			
-5		Split Spoon			100%	15			CALICHE: 10 YR 8/2 very pale brown, 30-40% very fine-grained to fine-grained SAND, soft to firm, slight odor.
-10		Split Spoon			60%	13			
-15		Pigs Foot			100%	15			
-20		Pigs Foot			100%	30			
-25		Pigs Foot			100%	26			SANDSTONE: 7.5 YR 5/6 strong brown, very fine-grained to medium-grained, soft to firm, interbedded hard layers, slight to moderate odor present.
-30		Pigs Foot			100%	27			
-35		Pigs Foot			100%	143			
-40		Split Spoon			60%	112			
-45		Split Spoon			70%	110			



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BORING LOG

BORING NO.

NSBH-4

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003
 CLIENT NAME: ChevronTexaco Exploration & Production Company
 PROJECT NAME: North Eunice Soil Investigation
 SITE LOCATION: Eunice, New Mexico
 UNIQUE NUMBER: 31-014-00589

DRILLING CO: Scarborough Drilling Co.
 DRILLING METHOD: Rotary
 DRILLER: S. Scarborough
 LOGGER: L. Markham
 DATE BEGUN: 01/22/02 DATE COMPLETED: 01/22/02

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0									SANDY CLAY: 5 YR 4/4 reddish brown, 60% CLAY, 40% fine-grained to medium-grained SAND, moist, compactable, strong odor & heavy staining at -3.5' to -7' range.
-5		Split Spoon			100%	12			
-5		Split Spoon			80%	85			
-10		Split Spoon			60%	227			CALICHE: 2.5 Y 6/2 light brownish gray, 30% very fine-grained to fine-grained SAND, soft to firm, staining & strong odor present.
-15		Pigs Foot			100%	150			CALICHE: 7.5 YR 8/3 pink, 30% very fine-grained to fine-grained SAND, soft to firm, odor present.
-20		Pigs Foot			100%	125			CALICHE: 10 YR 8/2 very pale brown, 30% fine-grained SAND, soft to firm, odor present.
-25		Pigs Foot			100%	285			SANDSTONE: 7.5 YR 5/6 strong brown, very fine-grained to medium-grained SAND, soft to firm, interbedded hard layers, strong odor, damp to moist, possible free product at bottom interval.
-30		Pigs Foot			100%	356			
-35		Pigs Foot			100%	200			
-40		Pigs Foot			100%	375			
-45		Pigs Foot			100%	1999			



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BORING LOG

BORING NO.

NSBH-5

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER:	MT000700.0003	DRILLING CO:	Scarborough Drilling Co.
CLIENT NAME:	ChevronTexaco Exploration & Production Company	DRILLING METHOD:	Rotary
PROJECT NAME:	North Eunice Soil Investigation	DRILLER:	S. Scarborough
SITE LOCATION:	Eunice, New Mexico	LOGGER:	L. Markham
UNIQUE NUMBER:	31-014-00590	FILE NAME:	NSBH-5.DAT
		DATE BEGUN:	01/22/02
		DATE COMPLETED:	01/22/02

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0									
-5		Split Spoon			100%	98			SANDY CLAY: 5 YR 4/4 reddish brown, 60% CLAY, 40% fine-grained to medium-grained SAND, moist, compactable, strong odor & heavy staining at -4' to -6' range.
-10		Split Spoon			100%	206			CALICHE: 10 YR 8/2 very pale brown, 30-40% very fine-grained to fine-grained SAND, slight staining, strong odor, soft to firm.
-15		Split Spoon			50%	139			
-20		Pigs Foot			100%	105			
-25		Pigs Foot			100%	148			SANDSTONE: 7.5 YR 5/4 brown, very fine-grained to medium-grained, soft to firm, interbedded hard layers, strong odor, damp to moist.
-30		Pigs Foot			100%	47			
-35		Pigs Foot			100%	258			
-40		Pigs Foot			100%	350			
-45		Pigs Foot			100%	370			
-45		Pigs Foot			100%	422			

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BORING LOG

BORING NO.

NSBH-6

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003
CLIENT NAME: ChevronTexaco Exploration & Production Company
PROJECT NAME: North Eunice Soil Investigation
SITE LOCATION: Eunice, New Mexico
UNIQUE NUMBER: 31-014-00591

DRILLING CO: Scarborough Drilling Co.
DRILLING METHOD: Rotary
DRILLER: S. Scarborough
LOGGER: L. Markham
DATE BEGUN: 01/21/02 DATE COMPLETED: 01/21/02

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0									SANDY CLAY: 5 YR 4/4 reddish brown, 60% CLAY, 40% fine-grained to medium-grained SAND, moist, compactable, strong odor and heavy staining present in -2' to -4' range.
-5		Split Spoon			100%	197			
-5		Split Spoon			75%	400			CALICHE: 10 YR 7/4 very pale brown, very fine-grained to fine-grained, 30% SAND, 10% CLAY, soft to firm, slight staining, strong odor.
-10		Split Spoon			75%	440			
-10		Split Spoon			75%	440			SANDSTONE: 7.5 YR 6/4 light brown, very fine-grained to fine-grained, soft to firm, interbedded firm layer, strong odor.
-15		Pigs Foot			100%	256			CALICHE: 10 YR 7/4 very pale brown, very fine-grained to fine-grained, 30% SAND, soft to firm, slight staining, strong odor.
-20		Pigs Foot			100%	589			
-20		Pigs Foot			100%	589			SANDSTONE: 7.5 YR 5/6 strong brown, very fine-grained to medium-grained, interbedded hard layers, soft to firm, strong odor, damp to moist.
-25		Split Spoon			50%	896			
-30		Split Spoon			50%	743			
-35		Split Spoon			50%	1291			
-40		Split Spoon			50%	1506			
-40		Split Spoon			50%	1506			
-45		Split Spoon			50%	328			
-45		Split Spoon			50%	328			



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BORING LOG

BORING NO.

NSBH-7

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003
 CLIENT NAME: ChevronTexaco Exploration & Production Company
 PROJECT NAME: North Eunice Soil Investigation
 SITE LOCATION: Eunice, New Mexico
 UNIQUE NUMBER: 31-014-00592

DRILLING CO: Scarborough Drilling Co.
 DRILLING METHOD: Rotary
 DRILLER: S. Scarborough
 LOGGER: L. Markham
 DATE BEGUN: 01/24/02 DATE COMPLETED: 01/24/02

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0									SANDY CLAY: 5 YR 4/4 reddish brown, 60% CLAY, 40% fine-grained to medium-grained SAND, moist, compactable, strong odor & heavy staining in -4' to -6' range.
-5		Split Spoon		100%		199			
-5		Split Spoon		80%		493			CALICHE: 10 YR 7/4 very pale brown, 30% very fine-grained to fine-grained SAND, soft to firm, slight staining, strong odor.
-10		Pigs Foot		100%		920			SANDSTONE: 7.5 YR 5/6 strong brown, very fine-grained to fine-grained, soft to firm, firm interbedded layers, strong odor.
-15		Pigs Foot		100%		143			CALICHE: 10 YR 8/3 very pale brown, 30% very fine-grained to fine-grained SAND, soft to firm, strong odor.
-20		Pigs Foot		100%		334			SANDSTONE: 7.5 YR 5/6 strong brown, very fine-grained to medium-grained, interbedded hard layers, soft to firm, strong odor, damp to moist, possible free product at bottom interval.
-25		Pigs Foot		100%		1700			
-30		Pigs Foot		100%		1545			
-35		Pigs Foot		100%		1090			
-40		Split Spoon		75%		341			
-45		Split Spoon		75%		1630			

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BORING LOG

BORING NO.

NSBH-8

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003
CLIENT NAME: ChevronTexaco Exploration & Production Company
PROJECT NAME: North Eunice Soil Investigation
SITE LOCATION: Eunice, New Mexico
UNIQUE NUMBER: 31-014-00593

DRILLING CO: Scarborough Drilling Co.
DRILLING METHOD: Rotary
DRILLER: S. Scarborough
LOGGER: L. Markham
DATE BEGUN: 01/23/01 DATE COMPLETED: 01/23/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0									SANDY CLAY: 5 YR 4/4 reddish brown, 60% CLAY, 40% fine-grained to medium-grained SAND, moist, compactable, strong odor & heavy staining in -5' to -7' range.
-5		Split Spoon			100%	12			
-5		Split Spoon			100%	15			
-10		Split Spoon			100%	198			CALICHE: 10 YR 7/4 very pale brown, 30% very fine-grained to fine-grained SAND, soft to firm, slight staining, strong odor.
-15		Pigs Foot			100%	120			SANDSTONE: 7.5 YR 5/6 strong brown, very fine-grained to fine-grained, soft to firm, firm interbedded layers, strong odor.
-20		Pigs Foot			100%	625			CALICHE: 10 YR 8/3 very pale brown, 30% very fine-grained to fine-grained SAND, soft to firm, strong odor.
-25		Pigs Foot			100%	380			
-30		Pigs Foot			100%	1200			SANDSTONE: 7.5 YR 5/6 strong brown, very fine-grained to medium-grained, interbedded hard layers, soft to firm, strong odor, damp to moist possible free product at bottom interval.
-35		Split Spoon			60%	972			
-40		Split Spoon			60%	1555			
-45		Split Spoon			70%	1800			

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BORING LOG

BORING NO.

NSBH-9

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

Page 1 of 1

PROJECT NUMBER: MT000700.0003
CLIENT NAME: ChevronTexaco Exploration & Production Company
PROJECT NAME: North Eunice Soil Investigation
SITE LOCATION: Eunice, New Mexico
UNIQUE NUMBER: 31-014-00594 FILE NAME: NSBH-9.DAT

DRILLING CO: Scarborough Drilling Co.
DRILLING METHOD: Rotary
DRILLER: S. Scarborough
LOGGER: L. Markham
DATE BEGUN: 01/24/01 DATE COMPLETED: 01/24/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0									SANDY CLAY: 5 YR 4/4 reddish brown, 60% CLAY, 40% fine-grained to medium-grained SAND, moist, compactable, strong odor & heavy staining in -5' to -7' range.
-5		Split Spoon			80%	5			
-5		Split Spoon			75%	1999			CALICHE: 10 YR 6/2 light brownish gray, 30% very fine-grained to fine-grained SAND, soft to firm, slight staining, strong odor, color change -11' to -21', 10 YR 7/4 very pale brown.
-10		Pigs Foot			100%	304			
-15		Pigs Foot			100%	208			
-20		Pigs Foot			100%	340			
-25		Pigs Foot			100%	455			SANDSTONE: 7.5 YR 5/6 strong brown, very fine-grained to medium-grained, interbedded hard layers, soft to firm, strong odor, damp to moist, possible free product at bottom interval.
-30		Pigs Foot			100%	1515			
-35		Pigs Foot			100%	420			
-40		Split Spoon			75%	1999			
-45		Split Spoon			75%	1999			

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BORING LOG

BORING NO.

NSBH-10

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER:	MT000700.0003	DRILLING CO:	Scarborough Drilling Co.
CLIENT NAME:	ChevronTexaco Exploration & Production Company	DRILLING METHOD:	Rotary
PROJECT NAME:	North Eunice Soil Investigation	DRILLER:	S. Scarborough
SITE LOCATION:	Eunice, New Mexico	LOGGER:	R. Lang
UNIQUE NUMBER:	31-014-00595	FILE NAME:	NSBH-10.DAT
		DATE BEGUN:	04/23/02
		DATE COMPLETED:	04/23/02

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0									SAND: 10 R 5/8 red, very fine-grained, well sorted, loose, moist, argillaceous.
-5		Split Spoon			100%	1.3			CALICHE: 5 YR 8/4 pink, arenaceous, fine-grained, moist.
		Pigs Foot			100%	3.3			
-10		Pigs Foot			100%	7.3			SAND: 2.5 YR 5/6 light red, fine-grained to SILT, loose, moist.
-15		Pigs Foot			100%	3.3			
-20		Pigs Foot			100%	3.3			
-25		Pigs Foot			100%	16.2			
-30		Split Spoon			100%	7.6			SAND: 2.5 YR 5/8 red, fine-grained to SILT, argillaceous, moist, wet at 41'.
-35		Pigs Foot			100%	9.7			
-40		Split Spoon			100%	9.7			



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BORING LOG

BORING NO.

NSBH-11

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003

DRILLING CO: Scarborough Drilling Co.

CLIENT NAME: ChevronTexaco Exploration & Production Company

DRILLING METHOD: Rotary

PROJECT NAME: North Eunice Soil Investigation

DRILLER: S. Scarborough

SITE LOCATION: Eunice, New Mexico

LOGGER: R. Lang

UNIQUE NUMBER: 31-014-00596

FILE NAME: NSBH-11.DAT

DATE BEGUN: 04/24/02

DATE COMPLETED: 04/24/02

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon			100%	162			SAND: 10 R 5/8 red, fine-grained to SILT, loose, argillaceous, moist.
-5		Split Spoon			100%	280			SAND: 10 R 5/8 red, fine-grained to SILT, loose, argillaceous, moist, GLEY 1 2.5 black, strong hydrocarbon odor.
-10		Split Spoon			100%	149			CALICHE: 5 YR 8/2 pinkish white, arenaceous, dry, crumbly, hydrocarbon odor.
-15		Pigs Foot			100%	650			
-20		Pigs Foot			100%	208			
-25		Split Spoon			100%	180			SAND: 5 YR 6/4 light reddish brown, fine-grained to SILT, loose, moist, argillaceous, well sorted, hydrocarbon odor.
-30		Split Spoon			100%	195			SAND: 5 YR 6/4 light reddish brown, fine-grained to SILT, loose, moist, argillaceous, well sorted, hydrocarbon odor, moist.
-35		Split Spoon			100%	248			SAND: 5 YR 6/4 light reddish brown, fine-grained to SILT, loose, moist, argillaceous, well sorted, hydrocarbon odor, wet.
-40		Split Spoon			100%	138			
-45		Split Spoon			100%	320			

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BORING LOG

BORING NO.

NSBH-12

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003
CLIENT NAME: ChevronTexaco Exploration & Production Company
PROJECT NAME: North Eunice Soil Investigation
SITE LOCATION: Eunice, New Mexico
UNIQUE NUMBER: 31-014-00597

DRILLING CO: Scarborough Drilling Co.
DRILLING METHOD: Rotary
DRILLER: S. Scarborough
LOGGER: R. Lang
DATE BEGUN: 04/24/02 DATE COMPLETED: 04/24/02

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon			100%	238			SAND: 2.5 YR 3/6 dark red, some black, very fine-grained to SILT, argillaceous, petroleum odor, loose.
-5		Split Spoon			100%	295			SAND: 7.5 YR 7/4 pink, very fine-grained to SILT, CALICHE cement, loose, petroleum odor.
-10		Split Spoon			100%	128			
-15		Pigs Foot			100%	159			SAND: 10 R 3/6 dark red, fine-grained to SILT, loose, moist, well sorted, argillaceous, petroleum odor, wet below -44'.
-20		Pigs Foot			100%	267			
-25		Split Spoon			100%	53			
-30		Split Spoon			100%	79			
-35		Split Spoon			100%	32.3			
-40		Split Spoon			100%	68			
-45		Split Spoon			100%	33.2			



BORING LOG

BORING NO.

NSBH-13

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003
CLIENT NAME: ChevronTexaco Exploration & Production Company
PROJECT NAME: North Eunice Soil Investigation
SITE LOCATION: Eunice, New Mexico
UNIQUE NUMBER: 31-014-00598

DRILLING CO: Scarborough Drilling Co.
DRILLING METHOD: Rotary
DRILLER: S. Scarborough
LOGGER: R. Lang
DATE BEGUN: 04/22/02 DATE COMPLETED: 04/22/02

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon			100%	3.8			CLAY: 10 R 5/6 red, plastic, very arenaceous, very fine-grained.
-5		Split Spoon			100%	3.5			CALICHE: 7.5 YR, arenaceous, dry, crumbly.
-10		Pigs Foot		50%	24.1				CALICHE: 7.5 YR 8/3 pink, arenaceous, fine-grained, dry.
-15		Pigs Foot		100%	15.0				
-20		Pigs Foot		50%	3.3				
-20		Pigs Foot		50%	10.0				
-25		Split Spoon		80%	1.6				SAND: 2.5 YR 8/4 pink, loose, very fine-grained, clear grain, argillaceous, well sorted, moist, wet below -44'.
-30		Split Spoon		75%	3.7				
-35		Split Spoon		75%	81.0				
-40		Split Spoon		75%	15.0				
-45		Split Spoon			27.0				

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BORING LOG

BORING NO.

NSBH-14

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER:	MT000700.0003	DRILLING CO:	Scarborough Drilling Co.
CLIENT NAME:	ChevronTexaco Exploration & Production Company	DRILLING METHOD:	Rotary
PROJECT NAME:	North Eunice Soil Investigation	DRILLER:	S. Scarborough
SITE LOCATION:	Eunice, New Mexico	LOGGER:	R. Lang
UNIQUE NUMBER:	31-014-00599	FILE NAME:	NSBH-14.DAT
		DATE BEGUN:	04/22/02
		DATE COMPLETED:	04/22/02

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon				4.2			SAND: 10 R 5/6 red, very fine-grained, argillaceous, loose, moist.
-5		Pigs Foot				220.0			CALICHE: 2.5 YR 8/3 pink, dry, crumbly, some discoloration at top, arenaceous.
-10		Pigs Foot				55.0			
-15		Pigs Foot				52.0			
-20		Pigs Foot				16.0			
-25		Pigs Foot				97.3			SAND: 10 R 4/8 pink, very fine-grained, well-sorted, loose, moist, argillaceous, wet below -45'.
-30		Pigs Foot				72.0			
-35		Split Spoon				98.0			
-40		Split Spoon				40.0			
-45		Split Spoon				110.0			



BORING LOG

BORING NO.
NSBH-15

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003 DRILLING CO: Scarborough Drilling Co.
CLIENT NAME: ChevronTexaco Exploration & Production Company DRILLING METHOD: Rotary
PROJECT NAME: North Eunice Soil Investigation DRILLER: S. Scarborough
SITE LOCATION: Eunice, New Mexico LOGGER: R. Lang
UNIQUE NUMBER: 31-014-00600 FILE NAME: NSBH-15.DAT DATE BEGUN: 04/23/02 DATE COMPLETED: 04/23/02

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon			100%	2.0			SAND: 10 R 4/6 red, fine-grained to SILT, argillaceous, well-sorted, moist.
-5		Pigs Foot			100%	5.2			CLAY: 2.5 YR 4/4 reddish brown, arenaceous, moist.
-10		Pigs Foot			100%	5.2			CALICHE: 2.5 YR 8/3 pink.
-15		Pigs Foot			100%	6.5			SAND: 5 YR 8/3 pink, very fine-grained to SILT, loose, contains CALICHE, moist.
-20		Pigs Foot			100%	3.5			
-25		Split Spoon			100%	6.3			
-30		Split Spoon			100%	3.7			
-35		Split Spoon			100%	6.5			
-40		Split Spoon			100%	12.8			
-45		Split Spoon			100%	7.5			SAND: 5 YR 8/3 pink, very fine-grained to SILT, loose, contains CALICHE, wet.

SAMPLE LOG

Boring/Well: BH-1
Site Location: Texaco E & P Eunice #1 (North) Gas Plant
Sample Location: Sump (NS), east of facility
Total Depth: 52'
Date Installed: 7/29/96

Depth (Ft)	OVM	SAMPLE DESCRIPTION
5-7	206	Gray-tan, caliche, some clay, staining and odor
10-12	233	*Tan, fine grain sand and caliche
15-17	28	Tan, fine grain sand and caliche
20-22	239	Tan, fine grain sand, odor
25-27	207	Tan, fine grain sand, odor
20-32	122	Brown, fine grain sand
35-37	159	Brown, fine grain sand
40-42	69	Brown, fine grain sand, some pink sand
45-47	255	Brown, fine grain sand
50-52	421	*Tan/pink fine grain sand, ground water
		TD- 52'

NOTE:

- * Selected for analysis
- BH - Borehole (rig-splittspoon sampling)

SAMPLE LOG

Boring/Well: BH-2
Site Location: Texaco E & P Eunice #1 (North) Gas Plant
Sample Location: Sump (NS), east of facility
Total Depth: 52'
Date Installed: 7/29/96

Depth (Ft)	OVM	SAMPLE DESCRIPTION
5-7	415	Black and gray, clay and caliche, stained soil
10-12	448	*Tan-gray, caliche, soft
15-17	177	Tan, fine grain sandstone and caliche
20-22	497	Tan, fine grain sandstone and caliche
25-27	384	Brown, fine grain sand and caliche
30-32	440	Brown, fine grain sand
35-37	127	Brown, fine grain sand
40-42	29	Brown, fine grain sand
45-47	372	Brown, fine grain sand
50-52	-	*Tan, fine grain sand, ground water
		TD- 52'

NOTE:

- * Selected for analysis
- BH - Borehole (rig-splitspoon sampling)



BORING LOG

BORING NO.

BGBH-1

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003 DRILLING CO: Scarborough Drilling Co.
CLIENT NAME: ChevronTexaco Exploration & Production Company DRILLING METHOD: Rotary
PROJECT NAME: North Eunice Soil Investigation DRILLER: S. Scarborough
SITE LOCATION: Eunice, New Mexico LOGGER: L. Markham
UNIQUE NUMBER: 31-014-00566 FILE NAME: BGBH-1.DAT DATE BEGUN: 11/15/01 DATE COMPLETED: 11/15/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	OWM READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon Shovel			100%				SANDY CLAY: 2.5 YR 4/6 red, 30-40% SAND, fine-grained to medium-grained, well-rounded.
-5		Shovel Pigs Foot Shovel							CALICHE: 7.5 YR 8/3 pink, 30% SAND, very fine-grained to fine-grained, soft-friable.
-10		Shovel Pigs Foot			100%				
-15		Shovel Pigs Foot Shovel							
-20		Shovel Pigs Foot							
-25		Shovel Shovel							
-30		Shovel Pigs Foot			100%				SANDSTONE: 5 YR 5/4 reddish brown, fine-grained to medium-grained, soft-firm, layers of loose-consolidated SAND, thin layers of consolidated SANDSTONE.



BORING LOG

BORING NO.

BGBH-2

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PROJECT NUMBER: MT000700.0003 DRILLING CO: Scarborough Drilling Co.
CLIENT NAME: ChevronTexaco Exploration & Production Company DRILLING METHOD: Rotary
PROJECT NAME: North Eunice Soil Investigation DRILLER: S. Scarborough
SITE LOCATION: Eunice, New Mexico LOGGER: L. Markham
UNIQUE NUMBER: 31-014-00571 FILE NAME: BGBH-2.DAT DATE BEGUN: 10/23/01 DATE COMPLETED: 10/23/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	OVM READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon Shovel							SANDY CLAY: 2.5 YR 4/6 red, 30-40% SAND, fine-grained to medium-grained, well-rounded, damp.
-5		Shovel		75%					
		Split Spoon Shovel							
-10		Shovel			100%				CALICHE: 7.5 YR 8/3 pink, 30% SAND, very fine-grained to fine-grained, 10-15% CLAY, soft-friable.
		Pigs Foot							
-15		Shovel							CALICHE: 7.5 YR 8/3 pink, 30% SAND, very fine-grained to medium-grained, soft-friable.
		Shovel							
-20		Shovel			100%				
		Pigs Foot							
-25		Shovel							
		Shovel							
-30		Shovel			100%				SANDSTONE: 5 YR 6/4 light reddish brown, fine-grained to medium-grained, soft-firm, layers of loose-consolidated SAND, thin layers of consolidated SANDSTONE.
		Pigs Foot							

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BORING LOG

BORING NO.

SWBHA-1

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PROJECT NUMBER:	MT000700.0003	DRILLING CO:	Scarborough Drilling Co.
CLIENT NAME:	ChevronTexaco Exploration & Production Company	DRILLING METHOD:	Rotary
PROJECT NAME:	North Eunice Soil Investigation	DRILLER:	S. Scarborough
SITE LOCATION:	Eunice, New Mexico	LOGGER:	L. Markham
UNIQUE NUMBER:	31-014-00584	FILE NAME:	SWBHA-1.DAT
		DATE BEGUN:	10/31/01
		DATE COMPLETED:	10/31/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon			75%				SANDY CLAY: 7.5 YR 4/6 red, fine-grained to medium-grained, 30-40% SAND, damp to moist.
		Split Spoon							
		Shovel							CALICHE: 7.5 YR 8/3 pink, very fine-grained to fine-grained, 30% SAND, soft to firm.
-5		Pigs Foot			100%				
		Shovel							
		Shovel							CALICHE: 7.5 YR 8/2 pinkish white, very fine-grained to fine-grained, 30% SAND, soft to firm.
-10		Pigs Foot							
		Shovel							
		Shovel			100%				
-15		Pigs Foot							
		Shovel							
		Shovel							
-20		Pigs Foot							

**ARCADIS**

BORING LOG

BORING NO.

SWAHA-2

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PROJECT NUMBER:	MT000700.0003	DRILLING CO:	Scarborough Drilling Co.
CLIENT NAME:	ChevronTexaco Exploration & Production Company	DRILLING METHOD:	Rotary
PROJECT NAME:	North Eunice Soil Investigation	DRILLER:	S. Scarborough
SITE LOCATION:	Eunice, New Mexico	LOGGER:	L. Markham
UNIQUE NUMBER:	31-014-00573	FILE NAME:	SWAHA-2.DAT
		DATE BEGUN:	10/26/01
		DATE COMPLETED:	10/26/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon							SAND: 5 YR 4/4 reddish brown, fine-grained to medium-grained, well-rounded, loose, moist.
		Split Spoon			100%				
		Shovel							
-5		Pigs Foot							CALICHE: 5 YR 7/4 pink, very fine-grained to fine-grained, 20-30% SAND, loose to very friable.
		Shovel							
		Shovel							
-10		Pigs Foot							
		Shovel			100%				
		Shovel							
-15		Pigs Foot							
		Shovel							
		Shovel							
-20		Pigs Foot							

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BORING LOG

BORING NO.

SWAHA-3

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003 DRILLING CO: Scarborough Drilling Co.
CLIENT NAME: ChevronTexaco Exploration & Production Company DRILLING METHOD: Rotary
PROJECT NAME: North Eunice Soil Investigation DRILLER: S. Scarborough
SITE LOCATION: Eunice, New Mexico LOGGER: L. Markham
UNIQUE NUMBER: 31-014-00574 FILE NAME: SWAHA-3.DAT DATE BEGUN: 10/26/01 DATE COMPLETED: 10/26/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon		75%					SAND: 5 YR 4/4 reddish brown, fine-grained to medium-grained, well-rounded, loose, moist.
		Split Spoon							
		Shovel		75%					SANDY CLAY: 2.5 YR 3/6 dark red, fine-grained to medium-grained, 30% SAND, well-rounded, compacted.
-5		Split Spoon							
		Shovel							
		Shovel							CALICHE: 5 YR 7/4 pink, very fine-grained, 25-35% SAND, loose friable.
-10		Pigs Foot		100%					
		Shovel							
		Shovel							
-15		Pigs Foot		100%					SANDSTONE: 7.5 YR 7/4 pink, very fine-grained to medium-grained, 30-40% CALICHE, soft to extremely firm.
		Shovel							
		Shovel							
-20		Pigs Foot							

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BORING LOG

Boring No.
SWBHA-6

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003

CLIENT NAME: ChevronTexaco Exploration & Production Company

PROJECT NAME: North Eunice Soil Investigation

SITE LOCATION: Eunice, New Mexico

UNIQUE NUMBER: 31-014-00585

FILE NAME: SWBHA-6.DAT

DRILLING CO: Scarborough Drilling Co.

DRILLING METHOD: Rotary

DRILLER: S. Scarborough

LOGGER: L. Markham

DATE BEGUN: 10/30/01

DATE COMPLETED: 10/30/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon							SANDY CLAY: 2.5 YR 3/6 dark red, fine-grained to medium-grained, 30-40% SAND, 5-10% CALICHE, well-rounded, damp to moist.
		Split Spoon							
		Shovel							
-5		Split Spoon							
		Shovel							
		Shovel		75%					
		Shovel							
-10		Split Spoon							
		Shovel							
		Shovel							
-15		Shovel							CALICHE: 10 YR 8/2 very pale brown, very fine-grained to fine-grained, 30% SAND, soft to firm.
		Pigs Foot							
		Shovel							
		Shovel		75%					
-20		Shovel							
		Pigs Foot							

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BORING LOG

BORING NO.

SWBHA-9

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER:	MT000700.0003	DRILLING CO:	Scarborough Drilling Co.
CLIENT NAME:	ChevronTexaco Exploration & Production Company	DRILLING METHOD:	Rotary
PROJECT NAME:	North Eunice Soil Investigation	DRILLER:	S. Scarborough
SITE LOCATION:	Eunice, New Mexico	LOGGER:	L. Markham
UNIQUE NUMBER:	31-014-00586	FILE NAME:	SWBHA-9.DAT
		DATE BEGUN:	11/01/01
		DATE COMPLETED:	11/01/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon							
		Split Spoon			100%				SANDY CLAY: 2.5 YR 4/6 red, fine-grained to medium-grained, 30-40% SAND, damp to moist.
		Shovel							
-5		Split Spoon							
		Shovel			100%				CALICHE: 5 YR 6/4 light reddish brown, very fine-grained to fine-grained, 30-40% SAND, 10% CLAY, soft to friable.
		Shovel							
-10		Split Spoon							
		Shovel							CALICHE: 7.5 YR 8/2 pinkish white, very fine-grained to fine-grained, 30% SAND, soft to firm.
		Shovel							
-15		Shovel							
		Pigs Foot			100%				
		Shovel							
		Shovel							
-20		Pigs Foot							



BORING LOG

BORING NO.

SWBHA-10

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003 DRILLING CO: Scarborough Drilling Co.
CLIENT NAME: ChevronTexaco Exploration & Production Company DRILLING METHOD: Rotary
PROJECT NAME: North Eunice Soil Investigation DRILLER: S. Scarborough
SITE LOCATION: Eunice, New Mexico LOGGER: L. Markham
UNIQUE NUMBER: 31-014-00587 FILE NAME: SWBHA-10.DAT DATE BEGUN: 11/01/01 DATE COMPLETED: 11/01/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon							SANDY CLAY: 2.5 YR 4/6 red, fine-grained to medium-grained, 30-40% SAND, damp to moist.
		Split Spoon			100%				
		Shovel							
-5		Split Spoon							CALICHE: 5 YR 6/4 light reddish brown, very fine-grained to fine-grained, 30-40% SAND, 10% CLAY, soft to friable.
		Shovel			100%				
-10		Pigs Foot							
		Shovel							
-15		Shovel							CALICHE: 7.5 YR 8/2 pinkish white, very fine-grained to fine-grained, 30% SAND, soft to firm.
		Pigs Foot			100%				
		Shovel							
-20		Pigs Foot							



BOOKING NO.

SWBH-13

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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DRILLING CO: Scarborough Drilling Co.
DRILLING METHOD: Rotary
DRILLER: S. Scarborough
LOGGER: L. Markham
DATE BEGUN: 10/30/01 DATE COMPLETED: 10/30/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon							SANDY CLAY: 2.5 YR 3/6 dark red, fine-grained to medium-grained, 30-40% SAND, 10% CALICHE, well-rounded, damp to moist.
		Split Spoon							
		Shovel							
-5		Split Spoon							
		Shovel		100%					
		Shovel							
		Shovel							
-10		Split Spoon							
		Shovel							
		Shovel							
-15		Pigs Foot							
		Shovel		100%					
		Shovel							
-20		Pigs Foot							



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BORING LOG

BORING NO.

SWBH-14

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003 DRILLING CO: Scarborough Drilling Co.
 CLIENT NAME: ChevronTexaco Exploration & Production Company DRILLING METHOD: Rotary
 PROJECT NAME: North Eunice Soil Investigation DRILLER: S. Scarborough
 SITE LOCATION: Eunice, New Mexico LOGGER: L. Markham
 UNIQUE NUMBER: 31-014-00572 FILE NAME: SWBH-14.DAT DATE BEGUN: 10/31/01 DATE COMPLETED: 10/31/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon			75%				SANDY CLAY: 2.5 YR 4/6 red, fine-grained to medium-grained, 30-40% SAND, damp to moist.
		Split Spoon							
		Shovel			75%				CALICHE: 7.5 YR 8/3 pink, very fine-grained to fine-grained, 30% SAND, 10% CLAY soft to very friable.
-5		Split Spoon							
		Shovel							SAND: 5 YR 6/4 light reddish brown, fine-grained to medium-grained, 30-40% CALICHE, soft to very friable.
		Shovel			100%				
-10		Pigs Foot							
		Shovel							CALICHE: 7.5 YR 8/2 pinkish white, very fine-grained to fine-grained, 30% SAND, soft to firm.
		Shovel							
-15		Pigs Foot			100%				
		Shovel							
		Shovel							
-20		Pigs Foot							

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BORING LOG

BORING NO.

SWBH-15

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER:	MT000700.0003	DRILLING CO:	Scarborough Drilling Co.
CLIENT NAME:	ChevronTexaco Exploration & Production Company	DRILLING METHOD:	Rotary
PROJECT NAME:	North Eunice Soil Investigation	DRILLER:	S. Scarborough
SITE LOCATION:	Eunice, New Mexico	LOGGER:	L. Markham
UNIQUE NUMBER:	31-014-00576	FILE NAME:	SWBH-15.DAT
		DATE BEGUN:	10/30/01
		DATE COMPLETED:	10/30/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon			75%				CLAYEY SAND: 2.5 YR 4/6 red, fine-grained to medium-grained, 30% CLAY, well-rounded, damp to moist.
		Split Spoon							
		Shovel							
-5		Split Spoon			75%				
		Shovel							
		Shovel							
-10		Pigs Foot			100%				
		Shovel							
		Shovel							
-15		Pigs Foot			100%				
		Shovel							
		Shovel							
-20		Pigs Foot							



BORING LOG

BORING NO.
SWBH-16

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER:	MT000700.0003	DRILLING CO:	Scarborough Drilling Co.
CLIENT NAME:	ChevronTexaco Exploration & Production Company	DRILLING METHOD:	Rotary
PROJECT NAME:	North Eunice Soil Investigation	DRILLER:	S. Scarborough
SITE LOCATION:	Eunice, New Mexico	LOGGER:	L. Markham
UNIQUE NUMBER:	31-014-00577	FILE NAME:	SWBH-16.DAT
		DATE BEGUN:	10/31/01
		DATE COMPLETED:	10/31/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon							SANDY CLAY: 2.5 YR 4/6 red, fine-grained to medium-grained, 30-40% SAND, damp to moist.
		Split Spoon							
		Shovel		100%					
-5		Split Spoon							
		Shovel							CALICHE: 5 YR 6/4 light reddish brown, very fine-grained to fine-grained, 30-40% SAND, 10% CLAY, soft to friable.
-10		Split Spoon		75%					
		Shovel							
		Shovel							
-15		Shovel							CALICHE: 7.5 YR 8/2 pinkish white, very fine-grained to fine-grained, 30% SAND, soft to firm.
		Pigs Foot		100%					
		Shovel							
		Shovel							
-20		Pigs Foot							

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BORING LOG

BORING NO.

SWBH-17

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER:	MT000700.0003	DRILLING CO:	Scarborough Drilling Co.
CLIENT NAME:	ChevronTexaco Exploration & Production Company	DRILLING METHOD:	Rotary
PROJECT NAME:	North Eunice Soil Investigation	DRILLER:	S. Scarborough
SITE LOCATION:	Eunice, New Mexico	LOGGER:	L. Markham
UNIQUE NUMBER:	31-014-00578	FILE NAME:	SWBH-17.DAT
		DATE BEGUN:	11/01/01
		DATE COMPLETED:	11/01/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon							SANDY CLAY: 2.5 YR 4/6 red, fine-grained to medium-grained, 30%-40%, SAND damp.
		Split Spoon			75%				
		Shovel							SANDY CLAY: 10 YR 6/4 light yellowish brown, fine-grained to medium-grained, 30-40% SAND, small areas contain spots of black staining, no odor.
-5		Split Spoon			100%				
		Shovel							SANDY CLAY: 2.5 YR 5/6 red, fine-grained to medium-grained, 30% SAND, 20% CALICHE.
		Shovel							
-10		Split Spoon			100%				
		Shovel							CALICHE: 7.5 YR 8/3 pink, very fine-grained to fine-grained, 30% SAND, soft to firm.
		Shovel							
-15		Pigs Foot			100%				
		Shovel							
		Shovel							
-20		Pigs Foot							

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BORING LOG

BORING NO.

SWBH-18

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PROJECT NUMBER: MT000700.0003

CLIENT NAME: ChevronTexaco Exploration & Production Company

PROJECT NAME: North Eunice Soil Investigation

SITE LOCATION: Eunice, New Mexico

UNIQUE NUMBER: 31-014-00579

FILE NAME: SWBH-18.DAT

DRILLING CO: Scarborough Drilling Co.

DRILLING METHOD: Rotary

DRILLER: S. Scarborough

LOGGER: L. Markham

DATE BEGUN: 11/02/01

DATE COMPLETED: 11/02/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon							
		Split Spoon			75%				SANDY CLAY: 2.5 YR 4/6 red, fine-grained to medium-grained, 30-40% SAND, damp.
		Shovel							
-5		Split Spoon							
		Shovel							CALICHE: 7.5 YR 8/3 pink, very fine-grained to fine-grained, 30% SAND, soft to firm.
		Shovel							
-10		Pigs Foot							
		Shovel			100%				
		Shovel							
-15		Pigs Foot							
		Shovel							
		Shovel							
-20		Pigs Foot							

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BORING LOG

BORING NO.

SWBH-19

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER:	MT000700.0003	DRILLING CO:	Scarborough Drilling Co.
CLIENT NAME:	ChevronTexaco Exploration & Production Company	DRILLING METHOD:	Rotary
PROJECT NAME:	North Eunice Soil Investigation	DRILLER:	S. Scarborough
SITE LOCATION:	Eunice, New Mexico	LOGGER:	L. Markham
UNIQUE NUMBER:	31-014-00583	FILE NAME:	SWBH-19.DAT
		DATE BEGUN:	11/05/01
		DATE COMPLETED:	11/05/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon							SANDY CLAY: 2.5 YR 4/6 red, fine-grained to medium-grained, 30-40% SAND, well-rounded, damp.
		Split Spoon		75%					
		Shovel							
-5		Split Spoon							CALICHE: 7.5 YR 8/3 pink, very fine-grained to fine-grained, 30-40% SAND, soft to firm.
		Shovel							
		Shovel							
-10		Pigs Foot							
		Shovel		100%					
		Shovel							
-15		Pigs Foot							
		Shovel							
-20		Pigs Foot							



BURKING NO.

SWBH-20

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DRILLING CO: Scarborough Drilling Co.
DRILLING METHOD: Rotary
DRILLER: S. Scarborough
LOGGER: L. Markham
DATE BEGUN: 11/02/01 DATE COMPLETED: 11/02/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	OMV READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon							
		Split Spoon							
		Shovel			75%				
-5		Split Spoon							
		Shovel							
		Shovel							
-10		Pigs Foot							
		Shovel							
		Shovel			100%				
-15		Pigs Foot							
		Shovel							
		Shovel							
-20		Pigs Foot							



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BORING LOG

BORING NO.

SWBH-21

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003 DRILLING CO: Scarborough Drilling Co.
CLIENT NAME: ChevronTexaco Exploration & Production Company DRILLING METHOD: Rotary
PROJECT NAME: North Eunice Soil Investigation DRILLER: S. Scarborough
SITE LOCATION: Eunice, New Mexico LOGGER: L. Markham
UNIQUE NUMBER: 31-014-00581 FILE NAME: SWBH-21.DAT DATE BEGUN: 11/05/01 DATE COMPLETED: 11/05/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	OWM READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon							SANDY CLAY: 2.5 YR 4/6 red, fine-grained to medium-grained, 30-40% SAND, well-rounded, damp.
		Split Spoon							
		Shovel							
-5		Split Spoon			100%				
		Shovel							
		Shovel							CALICHE: 7.5 YR 8/3 pink, very fine-grained to fine-grained, 30% SAND, soft to firm.
-10		Pigs Foot							
		Shovel							
		Shovel							
-15		Pigs Foot			100%				
		Shovel							
		Shovel							
-20		Pigs Foot							

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BORING LOG

BORING NO.

SWBH-22

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER:	MT000700.0003	DRILLING CO:	Scarborough Drilling Co.
CLIENT NAME:	ChevronTexaco Exploration & Production Company	DRILLING METHOD:	Rotary
PROJECT NAME:	North Eunice Soil Investigation	DRILLER:	S. Scarborough
SITE LOCATION:	Eunice, New Mexico	LOGGER:	L. Markham
UNIQUE NUMBER:	31-014-00582	FILE NAME:	SWBH-22.DAT
		DATE BEGUN:	11/05/01
		DATE COMPLETED:	11/05/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	OVM READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Split Spoon							SANDY CLAY: 2.5 YR 4/6 red, fine-grained to medium-grained, 30-40% SAND, damp.
		Split Spoon		100%					
		Shovel							CALICHE: 7.5 YR 8/3 pink, very fine-grained to fine-grained, 30% SAND, soft to firm.
-5		Pigs Foot							
		Shovel							
		Shovel							
-10		Pigs Foot							
		Shovel		100%					
		Shovel							
-15		Pigs Foot							
		Shovel							
		Shovel							
-20		Pigs Foot							

SAMPLE LOG

Boring/Well: SW BH-1 (Southwest of Plant Facility)
Site Location: Texaco E & P Eunice (North) Gas Plant
Location: Eunice, New Mexico
Total Depth: 42 feet
Date Installed: 11/5/97

[illegible]

SAMPLE LOG

Boring/Well: SW BH-2 (Southwest of Plant Facility)
Site Location: Texaco E & P Eunice (North) Gas Plant
Location: Eunice, New Mexico
Total Depth: 22 feet
Date Installed: 11/5/97

[illegible]

SAMPLE LOG

Boring/Well: SW BH-3 (Southwest of Plant Facility)
Site Location: Texaco E & P Eunice (North) Gas Plant
Location: Eunice, New Mexico
Total Depth: 32 feet
Date Installed: 11/7/97

[illegible]

SAMPLE LOG

Boring/Well: SW BH-4 (Southwest of Plant Facility)
Site Location: Texaco E & P Eunice (North) Gas Plant
Location: Eunice, New Mexico
Total Depth: 22 feet
Date Installed: 11/7/97

[illegible]

SAMPLE LOG

Boring/Well: SW BH-5 (Southwest of Plant Facility)
Site Location: Texaco E & P Eunice (North) Gas Plant
Location: Eunice, New Mexico
Total Depth: 22 feet
Date Installed: 11/10/97

[illegible]

3.

SAMPLE LOG

Boring/Well: SW BH-7 (Southwest of Plant Facility)
Site Location: Texaco E & P Eunice (North) Gas Plant
Location: Eunice, New Mexico
Total Depth: 42 feet
Date Installed: 11/10/97

[illegible]

SAMPLE LOG

Boring/Well: SW BH-8 (Southwest of Plant Facility)
Site Location: Texaco E & P Eunice (North) Gas Plant
Location: Eunice, New Mexico
Total Depth: 42 feet
Date Installed: 11/10/97

[illegible]

SAMPLE LOG

Boring/Well:	SW BH-9 (Southwest of Plant Facility)
Site Location:	Texaco E & P Eunice (North) Gas Plant
Location:	Eunice, New Mexico
Total Depth:	42 feet
Date Installed:	11/10/97

[illegible]

SAMPLE LOG

Boring/Well: SW BH-10 (Southwest of Plant Facility)
Site Location: Texaco E & P Eunice (North) Gas Plant
Location: Eunice, New Mexico
Total Depth: 22 feet
Date Installed: 12/4/97

[illegible]

SAMPLE LOG

Boring/Well: SW BH-11 (Southwest of Plant Facility)
Site Location: Texaco E & P Eunice (North) Gas Plant
Location: Eunice, New Mexico
Total Depth: 27 feet
Date Installed: 12/4/97

[illegible]

SAMPLE LOG

Boring/Well:	SW BH-12 (Southwest of Plant Facility)
Site Location:	Texaco E & P Eunice (North) Gas Plant
Location:	Eunice, New Mexico
Total Depth:	22 feet
Date Installed:	12/4/97

[illegible]



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BORING LOG

BORING NO.

CTSB-1

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

Page 1 of 1

PROJECT NUMBER: MT000700.0003 DRILLING CO: Scarborough Drilling Co.
 CLIENT NAME: ChevronTexaco Exploration & Production Company DRILLING METHOD: Rotary
 PROJECT NAME: North Eunice Soil Investigation DRILLER: S. Scarborough
 SITE LOCATION: Eunice, New Mexico LOGGER: L. Markham
 UNIQUE NUMBER: 31-014-00567 FILE NAME: CTSB-1.DAT DATE BEGUN: 10/23/01 DATE COMPLETED: 10/23/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	OVN READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0	Shovel				100%				SANDY CLAY: 2.5 YR 3/6 dark red fine-grained to medium-grained, 30% SAND, 10% CALICHE, well-rounded, loose.
-5	Split Spoon				100%				CLAYEY SAND: 2.5 YR 5/6 red, very fine-grained to fine-grained, 20% CLAY, 20% CALICHE, well-rounded and loose.
-10	Shovel				100%				CALICHE: 5 YR 7/4 pink, very fine-grained to fine-grained, 30% SAND, well-rounded, loose to very friable.
-15	Pigs Foot				100%				SANDSTONE: 2.5 YR 6/6 light red, very fine-grained to fine-grained, 25% CALICHE, well-rounded loose friable.
-20	Shovel				100%				CALICHE: 7.5 YR 8/2 pinkish white, very fine-grained to fine-grained, 20-30% SAND well-rounded, very friable-firm.
-25	Pigs Foot				100%				SANDSTONE: 5 YR 6/4 light brown and 7.5 YR 5/1 gray, fine-grained to medium-grained, rounded to well-rounded, soft-firm.
-30	Shovel				100%				SANDSTONE: 5 YR 6/4 light reddish brown, fine-grained to medium-grained, rounded to well-rounded, soft to firm.
-35	Pigs Foot				100%				
-40	Shovel								



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BORING LOG

BORING NO.

CTSB-2

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

Page 1 of 1

PROJECT NUMBER: MT000700.0003 DRILLING CO: Scarborough Drilling Co.
 CLIENT NAME: ChevronTexaco Exploration & Production Company DRILLING METHOD: Rotary
 PROJECT NAME: North Eunice Soil Investigation DRILLER: S. Scarborough
 SITE LOCATION: Eunice, New Mexico LOGGER: L. Markham
 UNIQUE NUMBER: 31-014-00568 FILE NAME: CTSB-2.DAT DATE BEGUN: 10/24/01 DATE COMPLETED: 10/24/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	OVM READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0	Shovel								SANDY CLAY: 2.5 YR 3/6 dark red, fine-grained to medium-grained, 25% CALICHE 10-20% SAND, well-rounded, loose.
-5	Split Spoon			100%					
-10	Shovel								CLAYEY SAND: 2.5 YR 5/6 red, very fine-grained, 20% CLAY, 25% CALICHE loose.
-15	Split Spoon			100%					
-20	Shovel								CALICHE: 5 YR 7/4 pink, very fine-grained, 30-40% SAND, well-rounded, soft to firm.
-25	Pigs Foot			100%					
-30	Shovel								SANDSTONE: 5 YR 6/4 light reddish brown, fine-grained to medium-grained, well-rounded, soft to firm.
-35	Shovel								
-40	Pigs Foot			100%					SANDSTONE: 7.5 YR 4/2 brown, fine-grained to medium-grained, well-rounded, soft to firm.

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BORING LOG

BORING NO.

CTSB-3

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

Page 1 of 1

PROJECT NUMBER:	MT000700.0003	DRILLING CO:	Scarborough Drilling Co.
CLIENT NAME:	ChevronTexaco Exploration & Production Company	DRILLING METHOD:	Rotary
PROJECT NAME:	North Eunice Soil Investigation	DRILLER:	S. Scarborough
SITE LOCATION:	Eunice, New Mexico	LOGGER:	L. Markham
UNIQUE NUMBER:	31-014-00569	FILE NAME:	CTSB-3.DAT
		DATE BEGUN:	10/24/01
		DATE COMPLETED:	10/24/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	QVM READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Shovel							SANDY CLAY: 2.5 YR 3/6 dark red, fine-grained to medium-grained, 25% CALICHE, 10-20% SAND, well-rounded loose.
		Split Spoon			100%				
-5		Shovel							
		Split Spoon							CALICHE: 5 YR 7/4 pink, very fine-grained to fine-grained, 30-40% SAND, 10% CLAY, soft to friable.
		Shovel							
-10		Pigs Foot			100%				
		Shovel							SANDSTONE: 2.5 YR 6/6 light red, very fine-grained to fine-grained, 25% CALICHE, well-rounded soft to friable.
		Pigs Foot							
-15		Shovel			100%				
		Pigs Foot							CALICHE: 7.5 YR 8/2 pinkish white, very fine-grained to fine-grained, 30-40% SAND, well-rounded soft to firm.
		Shovel							
-20		Pigs Foot			100%				
		Shovel							SANDSTONE: 5 YR 6/4 light reddish brown, fine-grained to medium-grained, well-rounded, soft to firm.
-25		Shovel							
		Pigs Foot							
-30		Shovel							
		Pigs Foot			100%				
-35		Shovel							
		Pigs Foot							
-40		Shovel							
		Pigs Foot							

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BORING LOG

BORING NO.

CTSB-4

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383 Tel: 432 687-5400 Fax: 432 687-5401

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PROJECT NUMBER: MT000700.0003 DRILLING CO: Scarborough Drilling Co.
CLIENT NAME: ChevronTexaco Exploration & Production Company DRILLING METHOD: Rotary
PROJECT NAME: North Eunice Soil Investigation DRILLER: S. Scarborough
SITE LOCATION: Eunice, New Mexico LOGGER: L. Markham
UNIQUE NUMBER: 31-014-00570 FILE NAME: CTSB-4.DAT DATE BEGUN: 10/25/01 DATE COMPLETED: 10/25/01

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	OWM READING	U.S.C.S. CLASS	LITHOLOGY	DESCRIPTION
0		Shovel							SANDY CLAY: 2.5 YR 3/6 dark red, fine-grained to medium-grained, 25-30% CALICHE, 10-20% SAND, well-rounded, loose.
		Split Spoon			100%				
-5		Shovel							
		Split Spoon							
		Shovel							CALICHE: 5 YR 7/4 very fine-grained to fine-grained, 30-40% SAND, 10% CLAY, soft to very friable.
-10		Shovel							
		Pigs Foot			100%				
		Shovel							
-15		Shovel							SANDSTONE: 2.5 YR 6/4 light reddish brown, very fine-grained to fine-grained, soft to firm.
		Pigs Foot			100%				
		Shovel							CALICHE: 5 YR 7/4 pink, very fine-grained to fine-grained, 40% SAND, well-rounded, soft to firm.
-20		Pigs Foot			100%				
		Shovel							SANDSTONE: 5 YR 6/4 light reddish brown, fine-grained to medium-grained, well-rounded, soft to firm.
-25		Shovel							
		Pigs Foot							
		Shovel							
-30		Pigs Foot			100%				
		Shovel							
-35		Shovel							
		Pigs Foot							
		Shovel							
-40		Pigs Foot							

SAMPLE LOG

Boring/Well: CT BH-1 (Cooling Tower Area)
Site Location: Texaco E & P Eunice (North) Gas Plant
Location: Eunice, New Mexico
Total Depth: 52 feet
Date Installed: 11/4/97

[illegible]

SAMPLE LOG

Boring/Well:	CT BH-2 (Cooling Tower Area)
Site Location:	Texaco E & P Eunice (North) Gas Plant
Location:	Eunice, New Mexico
Total Depth:	52 feet
Date Installed:	11/4/97

[illegible]

SAMPLE LOG

Boring/Well: CT BH-3 (Cooling Tower Area)
Site Location: Texaco E & P Eunice (North) Gas Plant
Location: Eunice, New Mexico
Total Depth: 52 feet
Date Installed: 11/5/97

[illegible]

SAMPLE LOG

Boring/Well: MW-1 (BH-1)
Site Location: Texaco E & P Eunice #1 (North) Gas Plant
Sample Location: Monitor Well (south of compressor)
Total Depth: 57'
Date Installed: 7/22/96

Depth (Ft)	OVM	SAMPLE DESCRIPTION
0-5	6	Reddish fine grain sand and clay, no odor or staining
6-10	-	White and tan caliche layer, friable layer, trace fine grain sand
10-12	2	Brown, fine grain sand, clean, loose, well sorted
15-17	3	Brown, fine grain sand, clean, loose, encountered layers of dense caliche and sandstone
20-22	2	White, caliche, dense layer, some sandstone (lost 95 % of splitspoon sample)
25-27	4	*Tan, fine grain sand, trace of white caliche
30-32	7	Tan, fine grain sand, trace of white caliche, no staining
35-37	1	Tan, fine grain sand, trace of white caliche, no staining, damp
40-42	2	Tan, fine grain sand, trace of white caliche, no staining, damp
45-47	2	Tan, fine grain sand, trace of white caliche, no staining, damp
50-52	2	Tan, fine grain sand, trace of white caliche, no staining, damp
55-57	414	*Tan, fine grain sand, loose, trace grayish staining, encountered ground water
		TD- 57'

NOTE:

- * Selected for analysis
- BH - Borehole (rig-splitspoon sampling)

Boring/Well: AH-1
Site Location: Texaco E & P Eunice #1 (North) Gas Plant
Sample Location: South Sump of Engine Room
Total Depth: 6.8'
Date Installed: 8/9/96

NOTE:
* Selected for analysis
AH - Auger Hole (hand auger sampling)

AH - Auger Hole (hand auger sampling)

SAMPLE LOG

Boring/Well: AH-1
Site Location: Texaco E & P Eunice #1 (North) Gas Plant
Sample Location: North Sump of Engine Room
Total Depth: 8.4'
Date Installed: 8/9/96

[illegible]

NOTE:

* Selected for analysis

AH - Auger Hole (hand auger sampling)

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Appendix B

Soil Analytical Data

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The following disk contains PDF files for the soil analytical data from Severn Trent Laboratories, Inc. for the Soil Investigation Summary Report, ChevronTexaco Eunice #2 (North) Gas Plant.