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7 November 2008

Re: Initial Site Conceptual Model
Former BP Station # 11109
4280 Foothill Boulevard
Oakland, California
ACEH Case #RO0000426

“I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.”

Submitted by:

Paul Supple
Environmental Business Manger

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1:17 pm, Nov 10, 2008

Alameda County
Environmental Health



INITIAL SITE CONCEPTUAL MODEL

Former BP Station #11109
4280 Foothill Boulevard
Oakland, California

Prepared for:

Mr. Paul Supple
Environmental Business Manager
Atlantic Richfield Company
P.O. Box 1257
San Ramon, California 94583

Prepared by:

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7 November 2008

Project No. 06-08-646

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Project No. 06-08-646

Atlantic Richfield Company
P.O. Box 1257
San Ramon, CA 94583
Submitted via ENFOS

Attn.: Mr. Paul Supple

Re: Initial Site Conceptual Model, Former BP Station #11109, 4280 Foothill Boulevard,
Oakland, California; ACEH Case #RO0000426

Dear Mr. Supple:

Broadbent & Associates, Inc. (BAI) is pleased to submit this *Initial Site Conceptual Model* for Former BP Station #11109 (herein referred to as Station #11109) located at 4280 Foothill Boulevard, Oakland, California (Site). This report was prepared in response to a directive letter from Mr. Paresh Khatri of Alameda County Environmental Health (ACEH) dated 28 July 2008.

Should you have questions or require additional information, please do not hesitate to contact us at (530) 566-1400.

Sincerely,
BROADBENT & ASSOCIATES, INC.



Thomas A. Venus, P.E.
Senior Engineer



Robert H. Miller, P.G., C.HG.
Principal Hydrogeologist

Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health (Submitted via ACEH ftp site)
Ms. Shelby Lathrop, ConocoPhillips, 76 Broadway, Sacramento, California 95818
Mr. Chris Jimmerson, Delta Environmental Consultants (Submitted via ENFOS)
Electronic copy uploaded to GeoTracker

INITIAL SITE CONCEPTUAL MODEL
Former BP Service Station No. 11109
4280 Foothill Boulevard, Oakland, California
Fuel Leak Case No. RO0000426

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4280 Foothill Boulevard, Oakland, California
Fuel Leak Case No. RO0000426

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INITIAL SITE CONCEPTUAL MODEL
Former BP Service Station No. 11109
4280 Foothill Boulevard, Oakland, California
Fuel Leak Case No. RO0000426

1.0 INTRODUCTION

On behalf of the Atlantic Richfield Company, RM - a BP affiliated company, Broadbent & Associates, Inc. (BAI) has prepared this Initial Site Conceptual Model for the Former BP Service Station No. 11109, located at 4280 Foothill Boulevard, Oakland, Alameda County, California (Site). This document was prepared in response to the request within the 28 July 2008 directive letter from Mr. Paresh Khatri of the Alameda County Environmental Health (ACEH). This document includes discussions on the site background and previous environmental activities, regional and Site geology and hydrogeology, definition of contamination within soil and ground water, discussion of preferential pathways, status of Site remediation, sensitive receptors, preliminary risk assessment, discussion of data gaps, and proposed scope of work with completion schedule. Tables, drawings, figures, and appendices referenced within this document are provided following the conclusion of the document's text.

2.0 BACKGROUND INFORMATION

2.1 Site Background

The Site is currently an operating service station located on the north corner of Foothill Boulevard and High Street in a mixed commercial and residential area of Oakland, California. The Site features include a station building containing three service bays (converted into a convenience store) and four pump islands with a canopy and concrete driveslab. Existing underground storage tanks (USTs) include three double-wall fiberglass gasoline tanks (10,000 gallons each) and one double-wall fiberglass waste oil tank (1,000 gallon). The three 10,000-gallon USTs store regular, plus, and super unleaded gasoline and were reportedly installed in 1991. The waste oil tank was reportedly installed in 1989 or 1990 (EMCON, 12/27/1994). The Site was operated by Mobile Oil Corporation (Mobil) as Mobil Service Station No.10-H69 since at least the early 1970's. BP acquired the station from Mobil on 1 May 1989 (BP 1990) and operated the station under the BP brand. BP sold the station in 1994 to Tosco, which was acquired by ConocoPhillips who operated a 76-branded station for some time. Currently, the station operates under an independent brand. The ACEH-assigned Fuel Leak Case number for the Site is RO0000426 / GeoTracker Global ID No. T0600100217.

A church borders the Site to the northeast. Single-family residences border the Site to the northwest. The paved recreation courts and playing field of Fremont High School are located across High Street to the southeast. A Chevron-branded gasoline service station is located across Foothill Boulevard (4265 Foothill Boulevard) to the southwest of the Site. Chevron Gasoline Station No. 9-0076 is an active leaking UST case, ACEH Fuel Leak Case No. RO0000427 / GeoTracker Global ID No. T0600100339. A former Shell-branded gasoline service station was previously located at 4411 Foothill Boulevard across Foothill Boulevard and High Street to the south of the Site. This former Shell station is an active leaking UST case, ACEH Fuel Leak Case No. RO0000415 / GeoTracker Global ID No. T0600101065. This southern corner of the

intersection of Foothill Boulevard and High Street is presently developed into a small strip mall with shops and restaurants.

2.2 Previous Environmental Activities

One 550-gallon steel waste oil UST was removed from the Site on 21 July 1986 (Kaprealian Engineering Inc., 1986). The date of original installation of the tank is unknown. Kaprealian Engineering Inc. (KEI) collected soil samples for laboratory analysis during removal activities. According to KEI (1986), no visible contamination was noted beneath the asphalt or directly beneath the waste oil tank. One soil sample was collected from approximately seven feet below ground surface (bgs). The soil sample was analyzed for volatile organic compounds (VOCs) by EPA Method 8240 and total petroleum hydrocarbons (TPH) by a reportedly unknown method. The requested analytes were not detected above their laboratory reporting limits. KEI concluded that no further investigation was necessary. No additional information was provided in the report which described the location of the tank, the sample locations (other than depth), the volume of soil removed, or backfilling operations.

Target Environmental Services Inc. (Target) conducted a soil gas survey at the Site for Mobil on 10 March 1989. Sixteen on-site locations were sampled (See Appendix A). Analysis of the soil gas samples by EPA Method 602 revealed the presence of hydrocarbons at the Site with the chromatograms reportedly confirming the presence of gasoline (Target, 1989). Maximum concentrations detected during analysis included Pentane/Methyl-Tertiary Butyl Ether (MTBE) at 5,497 parts per billion (ppb), Benzene at 150 ppb, Toluene at 291 ppb, Ethylbenzene at 345 ppb, m- and p- Xylenes at 291 ppb, and o-Xylene at 120 ppb. The maximum calculated concentration of total volatiles was reported to be 46,500 ppb. Target concluded that the data suggested two sources of subsurface hydrocarbons; one west of the main building (described as weathered gasoline) and one between an eastern pump island and the UST complex (described as slightly weathered gasoline). Target concluded that the easterly occurrence of volatile hydrocarbons was more recent.

Rittenhouse-Zeman & Associates Inc. (RZA) performed a limited subsurface exploration at the Site on 19 April 1989. This evaluation included drilling two borings to total depths of approximately 31.5 feet bgs (B-1 and B-2), converting the borings to monitoring wells (MW-1 and MW-2, respectively), and collecting and analyzing soil and ground-water samples. The borings, one each in the eastern and western areas of the Site, were reportedly located using the results of Target's earlier soil gas survey. Soil types logged during drilling included gravelly clay and sandy gravel (fill), and silty clay, silty sand, and sandy clay in native soils to the total explored depths of approximately 31.5 feet bgs. Ground water was encountered in both borings at approximately 26 feet bgs at the time of drilling and subsequently stabilized at approximately 14 and 20 feet bgs (MW-1 and MW-2, respectively). One soil sample from each boring was submitted for analysis of Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) and TPH. TPH was reportedly detected in the soil sample collected from boring B-1 at 15 milligrams per kilogram (mg/kg), but was not detected above the laboratory reporting limit in the sample collected from boring B-2. BTEX was not detected above the laboratory reporting limit in either soil sample. RZA did not describe the soil sample depths. Ground-water samples collected from each well were submitted to the laboratory for BTEX analysis. The ground-water sample collected from well MW-1 reportedly contained BTEX concentrations of 860 micrograms per

liter ($\mu\text{g/L}$), 160 $\mu\text{g/L}$, 570 $\mu\text{g/L}$, and 1,200 $\mu\text{g/L}$, respectively. The ground-water sample collected from well MW-2 was reportedly lost by the laboratory (RZA, 1989). Summarized analytical results are provided within Appendix A. Soil boring logs and monitoring well construction logs are provided in Appendix B.

Alton Geoscience Inc. (AGS) conducted a site investigation in January 1990. This investigation consisted of drilling two borings (B-3 and B-4) to total depths of approximately 33.5 and 29.5 feet bgs, respectively, converting each boring to a monitoring well (MW-3 and MW-4), and collecting and analyzing soil and ground-water samples. Boring B-3/MW-3 was located west of the easternmost pump island, and boring B-4/MW-4 was located west of the westernmost pump island. Soils logged during drilling included a mixture of silty clay, clayey sand, and sandy clay to the total explored depth of 33.5 feet bgs. Ground water was encountered during drilling at approximately 31 and 20 feet bgs (B-3 and B-4, respectively) and subsequently stabilized at approximately 17 and 21 feet bgs (B-3 and B-4, respectively). Soil samples were collected from each boring at five foot intervals between five and 25 feet bgs and at 29 feet bgs. Soil samples were submitted for laboratory analysis of Total Petroleum Hydrocarbons as Gasoline (TPH-G) and BTEX. Concentrations of TPH-G at 16 mg/kg and xylenes at 0.17 mg/kg were detected above laboratory reporting limits in a soil sample collected from boring B-4 at approximately 25 ft bgs. No other analytes were detected above laboratory reporting limits in the soil samples. Ground-water samples were collected from wells MW-2 through MW-4 in February 1990 and submitted for laboratory analysis of TPH-g and BTEX. TPH-g was detected at a maximum concentration of 1,400 $\mu\text{g/L}$ and BTEX concentrations were detected up to 15 $\mu\text{g/L}$, 9.0 $\mu\text{g/L}$, 11 $\mu\text{g/L}$, and 13 $\mu\text{g/L}$, respectively, in wells MW-2 through MW-4. AGS reported that a sample was not collected from well MW-1 due to the presence of free-floating product. In their 16 February 1990 Site Investigation Report, AGS reported that ground-water flow at the Site was toward the northeast, although the figure presented in the report depicted the ground-water flow direction toward the northwest (AGS, 1990). Soil and ground-water sample results are provided within Appendix A. Soil boring logs and monitoring well construction logs are provided in Appendix B.

One 6,000 gallon regular (leaded) gasoline steel UST, one 8,000 gallon super-unleaded gasoline steel UST, and one 10,000 gallon regular unleaded gasoline fiberglass UST were removed from the Site on 14 September 1990 by Paradiso Construction Company under observation of KEI. These three USTs were removed from an excavation on the eastern corner of the Site. KEI reported that no apparent cracks or holes were observed in USTs upon removal. Initially, five discrete soil samples were collected from the excavation, four from the bottom of the excavation at depths of approximately 14.5 ft bgs (A1, A2, B1, and B2), and one from the sidewall (SW1) at a depth of approximately 12.0 ft bgs. Per the direction of the ACEH representative and due to observed contamination, additional excavation and sampling occurred on 25 September 1990. Two sidewall samples labeled SW2-19 and SW-4-16 were collected at depths of 19 and 16 ft bgs, respectively. Due to reported obvious contamination in the excavated soil from the new UST pit location (adjacent to the old UST pit area), additional samples labeled A3-16, A4-16.5, A4-19, B3-14.5, and B3-24 were collected at depths ranging from 16 to 24 ft bgs. In an attempt to define the lateral extent of soil contamination, KEI returned to the Site on 26 September 1990 to collect additional sidewall samples. Two samples labeled SW3-9.5 and SW-5 were collected at depths of 9.5 and 17 ft bgs, respectively. KEI returned to the Site on 28 September 1990 to collect soil samples from beneath two product dispensers. Two samples, labeled D1-4 and

D2-11, were collected from bulk material excavated at depths of 4.0 and 11.0 ft bgs, respectively. In addition, one soil sample labeled SW6-11 was collected from the east side of sample point D2-11 at a depth of 11 ft bgs. KEI again returned to the Site on 16 October 1990 in order to complete soil sampling in the pump island area. Four samples, labeled D3 through D6, were collected from beneath four product dispensers ranging from 4.0 to 6.0 ft bgs. Approximately 1,950 cubic yards of soil was excavated and removed from Site. Ground water was reportedly not encountered during excavation activities. Each soil sample was analyzed for TPH-G and BTEX, with two samples additionally analyzed for Total Lead. Concentrations of TPH-G (up to 910 mg/kg), Benzene (up to 6.0 mg/kg), Toluene (up to 13 mg/kg), Ethylbenzene (up to 19 mg/kg), Total Xylenes (up to 82 mg/kg), and Total Lead (12 mg/kg) were detected in soil samples collected (KEI, 1990). Maps of sample locations and a table of analytical results are contained within Appendix A.

BP retained AGS to conduct a supplemental site investigation in September 1990. AGS completed a Sensitive Receptors Survey and found no reported public water supply wells in the area (AGS, 1992). The survey described the Site as being surrounded by single family residences to the north and northwest and a church to the northeast. At the intersection of Foothill Boulevard and High Street, Alton reported that Freemont High School bounded the Site on the east corner, a Shell service station on the south corner, and a Chevron service station on the west corner. A copy of the AGS Sensitive Receptors Survey is provided in Appendix C.

In 1991, AGS drilled five additional soil borings which were converted into three on-site monitoring wells (MW-5, MW-6, and MW-7) and two off-site monitoring wells (MW-8 and MW-9). The borings were drilled to total depths ranging between 31.5 to 36.5 ft bgs. Ten to 15-ft slotted monitoring well screens were installed to total depths of 30 to 35 ft bgs. Wells MW-5, MW-6, MW-8, and MW-9 were installed to assess the extent of petroleum hydrocarbon-impacted ground water. Well MW-7 was installed to facilitate removal of free-floating product previously encountered in MW-1, which reportedly was destroyed during tank replacement activities. Soil types encountered during drilling consisted of predominantly silty clay and clayey sand mixtures, with minor clayey to sandy gravel lenses. Ground water initially encountered between 20 to 35 ft bgs during drilling, subsequently stabilized between 14 ft bgs to 24 ft bgs. Copies of soil boring logs and monitoring well construction logs are provided in Appendix B.

AGS collected 17 soil samples from the borings for MW-5 through MW-9 (one to six samples per location). Samples were submitted to the laboratory for TPH-G and BTEX analyses. Eight of the soil samples were also submitted for organic lead analysis. TPH-G and BTEX were not detected above the laboratory reporting limits in the soil samples collected from the off-site locations (MW-8 and MW-9). Maximum concentrations of TPH-G (6,100 mg/kg) and BTEX (14 mg/kg Benzene, 58 mg/kg Toluene, 55 mg/kg Ethylbenzene, 260 mg/kg Total Xylenes) were detected in soil samples collected from the boring for MW-5 between 11 and 21 feet bgs. TPH-G and BTEX were also detected in soil samples collected from the borings for MW-4 and MW-6 at depths of 25 and 25.5 feet bgs. Organic lead was not detected above the laboratory reporting limit in the soil samples. Tabulated analytical results from soil samples and ground-water samples from monitoring wells associated with the Site are provided within Appendix A.

AGS submitted a Feasibility Study and Remedial Work Plan to BP on 2 April 1992. AGS identified remedial action objectives to abate the potential impacts from: (1) free-floating product observed in well MW-5, (2) dissolved-phase gasoline hydrocarbons detected in each of the on-site wells, and (3) 1,2-DCA and methylene chloride detected in ground water in the vicinity of well MW-2. AGS selected ground-water extraction utilizing wells MW-3, MW-5, and MW-7 at an extraction rate of approximately 0.5 gallons per minute (gpm), followed by carbon treatment, as the appropriate remedial method. As part of the report, AGS prepared a work plan to address recovery, containment, and treatment of free-floating and dissolved-phase ground-water contamination. AGS also stated that, while vapor recovery was not addressed in the work plan, vapor conveyance lines would be installed in trenches to facilitate the addition of a vapor extraction system at a later date (AGS, 1992).

Alameda County provided conditional approval of the ground-water extraction and treatment system (GWETS) in June 1992. In April 1993, BP applied for a Wastewater Discharge Permit from the East Bay Municipal Utility District (EBMUD) for discharge of treated wastewater from the GWETS to the sanitary sewer collection system. The permit application reportedly described the remedial system as consisting of three recovery wells (MW-3, MW-5, and MW-7), sediment filters, an oil/water separator, and carbon treatment before discharge to the sewer. The aboveground GWETS assembly was located in the northern corner of the property. BP was reportedly issued a permit from EBMUD on 23 August 1993, for the effective period of September 1993 through August 1994. However, the GWETS was apparently not operated in 1993. Alisto Engineering Group (AEG) reported that the system became operational and discharge began in February 1994. Limited plans of the GWETS including process flow diagram/process and instrumentation diagram are provided within Appendix D.

On 19 October 1994 EMCON drilled two soil borings at the Site (TB-1 and TB-2) using Cone-Penetrometer Testing (CPT) drilling equipment in the vicinity of the current UST complex. Soil types encountered during drilling to depths of 25 and 27.5 ft bgs included gravel, clayey sand, and sandy clay. Field photo-ionization detector (PID) readings measured in soil samples collected during drilling ranged from 1 ppm (TB-2) to 49 ppm (TB-1). Four soil samples collected at depths of 16 to 27.5 ft bgs were submitted for TPH-G, TPH-Diesel (TPH-D), TPH-Oil (TPH-O), and BTEX analyses. TPH-G (51 mg/kg), TPH-O (8 mg/kg), Benzene (0.09 mg/kg), Ethylbenzene (0.4 mg/kg), and Total Xylenes (0.8 mg/kg) were detected in a soil sample collected from boring TB-2 at 16-16.5 ft bgs. TPH-O (33 mg/kg) was detected in a soil sample collected from boring TB-1 at 24.5-25 ft bgs. EMCON also completed a HydroPunch™ boring (THP-1) adjacent to the waste oil UST to a depth of 37.3 ft bgs. Soils encountered included clayey sand and sandy clay. PID readings in soil samples collected from boring THP-1 ranged up to 0.2 ppm. TPH-G, TPH-D, TPH-O, BTEX, and halogenated volatile organic compounds were not detected in two soil samples analyzed from depths of 9.5 ft bgs and 17.5 ft bgs. No ground-water sample was recovered from the boring. Boring locations and tabulated analytical results are provided within Appendix A. CPT boring logs are provided within Appendix B.

On behalf of BP, AEG completed sampling of the GWETS and semi-annual reporting to EBMUD for the period from 15 February 1994 through 27 December 1995. In July of 1996, BP reported to EBMUD that the GWETS had been shut down during the reporting period of 1 January 1996 to 30 June 1996. During the operational period of 15 February 1994 through

27 December 1995, AEG reported that a total of 344,650 gallons had been treated at an average flow rate ranging from 0.03 to 0.97 gallons per minute. During this period, combined influent concentrations into the GWETS generally decreased over time for the constituents analyzed with TPH-G ranging from 19,000 µg/L to 1,100 µg/L and Benzene from 3,100 µg/L to 28 µg/L. MTBE was not reported during this period. A summary of results from the GWETS operation is provided within Appendix D.

Periodic ground-water monitoring and sampling from the Site monitoring wells has occurred since 1990 by various consultants working for BP. Tabular summaries of ground-water elevation and analytical results from Site monitoring wells are contained within Table 1 and Table 2. Table 3 contains a tabulated summary of recent ground-water flow directions and gradients. Table 4 contains a tabulated summary of separate-phase hydrocarbons (SPH, or Free Product – FP) removed from Site monitoring well MW-5. In addition, per the direction of ACEH, monitoring and sampling at the Site was coordinated with the consultants working at the nearby Chevron Station No. 9-0076. A tabular summary of ground-water elevation and analytical results from Chevron Station No. 9-0076 monitoring wells is contained within Appendix A.

3.0 HYDROCARBON SOURCE

3.1 Release Source and Volume

The exact release source and volume released is unknown. However, based on historical reports and the observed contaminant concentrations, the source area is suspected to be the UST complex located in the northeastern portion of the Site. However, low concentrations of petroleum hydrocarbons were also observed in shallow soils beneath the dispenser pump islands. The predominant depth of first detected contamination in soils in the vicinity of the UST complex leads one to presume that the majority of the release occurred beneath the invert of the USTs. An unknown amount of petroleum hydrocarbon contamination may be presently bound within the soil matrix in this area, and dissolved within ground water under and downgradient of the Site. A fluctuating ground-water table has likely “smeared” contaminants in soils up to the high water mark downgradient of the Site, contributing to a secondary source of contamination after the suspect USTs and piping infrastructure were removed and replaced.

3.2 Release Intervention

The 1990 removal and replacement of underground petroleum storage and dispensing infrastructure was conducted as an intervention measure to stop the release.

4.0 SITE CHARACTERIZATION

4.1 Current Site Use

The Site is currently an operating service station located on the north corner of Foothill Boulevard and High Street in a mixed use commercial and residential area of Oakland,

California. The Site features include a station building containing three service bays (converted into a convenience store) and four pump islands with a canopy and concrete driveslab. Existing underground storage tanks (USTs) include three double-wall fiberglass gasoline tanks (10,000 gallons each) and one double-wall fiberglass waste oil tank (1,000 gallon). The three 10,000-gallon USTs store regular, plus, and super unleaded gasoline and were reportedly installed in 1991. The waste oil tank was reportedly installed in 1989 or 1990 (EMCON, 12/27/1994). Currently, the station operates under an independent brand not affiliated with BP.

A church borders the Site to the northeast. Single-family residences border the Site to the northwest. The paved recreation courts and playing field of Fremont High School are located across High Street to the southeast. A Chevron-branded gasoline service station is located across Foothill Boulevard (4265 Foothill Boulevard) to the southwest of the Site. The southern corner of the intersection of Foothill Boulevard and High Street is presently developed into a small strip mall with shops and restaurants.

4.2 Soil Definition Status

Soils underlying the Site have been consistently characterized as sandy clay or silty clay, clayey silt, clayey sand, and clayey gravel with occasional sand or gravelly sand. The presence of these soils, usually of low to very low permeability, complicate plans and limit available technologies for remediation at this Site. Copies of available lithologic soil boring logs and well construction details are provided within Appendix B. Constructed geologic cross-sections are provided within Appendix B also.

4.3 Ground-Water Definition Status

4.3.1 Ground-Water Flow Direction, Depth, and Gradient

Ground-water depth varies across the Site and through time from approximately 6 to 30 ft bgs. Resulting ground-water elevations have varied through time from approximately 10 ft above mean sea level (amsl) to 35 ft amsl. Based on ground-water elevation data, the ground-water flow direction has varied between northwest and southwest at gradients ranging from 0.05 ft/ft to 0.006 ft/ft. Recent ground-water flow directions and gradients are provided in Table 3. A chart of ground-water elevations over time for select monitoring wells from the Site (MW-3, MW-5, and MW-7) along with elevations over time for select monitoring wells from the nearby Chevron Station No. 9-0076 are illustrated in Figure 1.

4.3.2 Separate-Phase Hydrocarbons

Separate-phase hydrocarbons (SPH) or free product were first detected in on-site well MW-5 during quarterly monitoring and sampling activities conducted on 4 December 1991: 0.13 ft of SPH were reported in MW-5 during this visit. SPH was confirmed in well MW-5 during a follow-up visit on 16 December 1991. SPH has not been encountered in BP wells other than MW-5. SPH has been encountered in offsite Chevron well C-2 beginning in 1989 where it appeared intermittently until 1996. Onsite in well MW-5, SPH has been more often present than absent since 1991 in thicknesses ranging from a sheen up to 0.99 ft. Historical SPH thicknesses in MW-5 are recorded within Table 1. Historical free product measurements and removal

amounts since 1997 are provided in Table 4. Since September 2007, following reappearance of SPH an absence of approximately one year, measurements of product removal have not been accurate in that measurements have comprised a mixture of SPH and water. A passive skimmer has been reinstalled with the objective of again collecting more accurate SPH removal quantities.

It should be noted that the depths to SPH and potentiometric ground-water surface in MW-5 have recently been above the screen interval: The installed screen interval for well MW-5 is between 18-32 ft bgs whereas recently measured depths to ground water or SPH in MW-5 have been above this level since 1995. When MW-5 was being drilled, ground-water was first encountered at a depth of 29.5 ft bgs. During well development, the static depth to ground water came up to approximately 18 ft bgs, near the upper limit of the screen interval. Since then, as evidenced in Figure 1, ground-water elevations have come up over time. It is possible, that MW-5's submerged well screen is not representing true SPH thicknesses.

4.3.3 Gasoline-Range Organics

Concentrations of TPH-G (more recently referred to as Gasoline-Range Organics, or GRO) have been detected in wells MW-2 through MW-5 and MW-7. According to the tabulated record, TPH-G/GRO concentrations have not been detected to date above laboratory reporting limits in wells MW-6 (located at the southeastern corner of the station building and immediately to the west of the UST complex), MW-8 (located offsite on the west side of Foothill Boulevard) or MW-9 (located offsite on the north side of High Street). Not counting when SPH was recorded in well MW-5, the highest on-site concentrations of TPH-G/ GRO have been 250,000 µg/L in well MW-5 (10/7/1994), 2,800 µg/L in well MW-7 (6/20/1995), and 1,700 µg/L in well MW-3 (12/6/1995). TPH-G/GRO have also been reported in wells C-1, C-2, and C-4 on Chevron Station No. 9-0076 property. The ACEH has alleged that these concentrations are either from or contributed to from the release at BP Station No. 11109. The highest offsite concentrations of TPH-G/GRO have been reported at 20,000 µg/L in well C-1 (7/14/1992), 1,100,000 µg/L in well C-2 (6/23/1998), 48,000 µg/L in well C-4 (3/18/1992), but absent in well C-10 (upgradient of wells C-2 and C-4). The absence of petroleum hydrocarbons in well C-10 counters the ACEH allegation that the downgradient extent of the ground-water contaminant plume extends onto the Chevron station property. Results of TPH-G/GRO from ground-water sampling are summarized in Table 1 and Appendix A. TPH-G/GRO concentrations from select wells over time are plotted in Figure 2. Drawing 2 includes the most recent GRO concentrations recorded during Third Quarter 2008.

4.3.4 Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations of BTEX have been detected above laboratory reporting limits in wells MW-2 through MW-9, with the exception that Benzene and Ethylbenzene have not been detected to date above the laboratory reporting limits in well MW-9. Maximum concentrations of Benzene have been recorded up to 14 µg/L in well MW-2 (2/5/1990), 38 µg/L in well MW-3 (7/3/1992), 3.1 µg/L in well MW-4 (12/23/1993), 13,000 µg/L in well MW-5 (10/3/1991), 0.7 µg/L in well MW-6 (10/3/1991), 980 µg/L in well MW-7 (6/20/1995), and one time at 2.9 µg/L in well MW-8 (9/21/1993). Maximum concentrations of Toluene have been recorded up to 5.1 µg/L in well MW-2 (9/5/2006), 7.7 µg/L in well MW-3 (4/7/1994), 9 µg/L in well MW-4 (2/5/1990), 7,400 µg/L in well MW-5 (10/3/1991), 0.8 µg/L in well MW-6 (10/3/1991), 13 µg/L in well

MW-7 (10/3/1991), 2.2 µg/L in well MW-8 (9/21/1993), and 0.4 µg/L in well MW-9 (10/3/1991). Maximum concentrations of Ethylbenzene have been recorded up to 9 µg/L in well MW-2 (2/5/1990), 32 µg/L in well MW-3 (4/8/1992), 3.8 µg/L in well MW-4 (7/7/1993), 1,900 µg/L in well MW-5 (3/9/2000 and 3/5/2007), one time at 0.8 µg/L in well MW-6 (4/8/1992), 77 µg/L in well MW-7 (1/27/1995), and one time at 2.2 µg/L in well MW-8 (9/21/1993). Maximum concentrations of Total Xylenes have been recorded up to 13 µg/L in well MW-2 (2/5/1990), 210 µg/L in well MW-3 (12/6/1995), 19 µg/L in well MW-4 (7/7/1993), 9,100 µg/L in well MW-5 (9/9/1996 and 3/9/2000), 1.6 µg/L in well MW-6 (1/6/1992 and 9/21/1993), 43 µg/L in well MW-7 (6/20/1995), 7.1 µg/L in well MW-8 (9/21/1993), and 0.9 µg/L in well MW-9 (1/6/1992, 9/21/1993, and 12/23/1993). Recorded BTEX concentrations have generally decreased over time. Results of BTEX from ground-water sampling are summarized in Table 1 and Appendix A. Benzene concentrations from select wells over time are plotted in Figure 3. Drawing 2 includes the most recent Benzene concentrations recorded during Third Quarter 2008.

4.3.5 Methyl-Tertiary Butyl Ether

Concentrations of Methyl-Tertiary Butyl Ether (MTBE) have been detected above the laboratory reporting limits in wells MW-2 through MW-9. Maximum concentrations of MTBE have been recorded up to 46 µg/L in well MW-2 (12/6/1995), 64 µg/L in well MW-3 (12/6/1995), 190 µg/L in well MW-4 (9/5/2006), 2,002 µg/L in well MW-5 (4/7/1994), 66 µg/L in well MW-6 (10/3/1995), 10.84 µg/L in well MW-7 (7/7/1993), 47 µg/L in well MW-8 (12/6/1995), and 46 µg/L in well MW-9 (12/6/1995). Recorded MTBE concentrations have generally decreased over time. Results of MTBE from ground-water sampling are summarized in Table 1, Table 2, and Appendix A. Benzene concentrations from select wells over time are plotted in Figure 4. Drawing 2 includes the most recent MTBE concentrations recorded during Third Quarter 2008.

4.4 Regional Geology

According to the *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report* (California Regional Water Quality Control Board – San Francisco Bay Region/SFRWQCB, June 1999), the Site is located within the Oakland Sub-Area of the East Bay Plain of the San Francisco Basin. The Oakland Sub-Area contains a sequence of alluvial fans. The alluvial fill thickness ranges from 300 to 700 feet deep. There are no well-defined aquitards such as estuarine muds. The largest and deepest wells in this sub-area historically pumped one to two million gallons per day at depths greater than 200 feet. Overall, sustainable yields are low due in part to low recharge potential. The Merritt sand in West Oakland was an important part of the early water supply for the City of Oakland. It is shallow (up to 60 feet), but before the turn of the last century, septic systems contaminated the water supply wells.

Throughout most of the Alameda County portion of the East Bay Plain, from Hayward north to Albany, water level contours show that the general direction of ground-water flow is from east to west or from the Hayward Fault to the San Francisco Bay. Ground-water flow direction generally correlates to topography. Flow direction and velocity are also influenced by buried stream channels that typically are oriented in an east to west direction. In the southern end of the study area however, near the San Lorenzo Sub-Area, the direction of flow may not be this simple. According to information presented in *East Bay Plain Groundwater Basin Beneficial*

Use Evaluation Report, the small set of water level measurements available seemed to show that the ground water in the upper aquifers may be flowing south, with the deeper aquifers, the Alameda Formation, moving north. The nearest natural drainage is Peralta Creek, located approximately 1,500 feet west of the Site. Peralta Creek flows generally north to south at it's closest distance from the Site.

4.5 Topography

The Site is situated at an approximate elevation of 42 feet above mean sea level. The Site is relatively flat, but slopes slightly to the southwest, consistent with the local topography.

4.6 Stratigraphy

Soils underlying the Site have been consistently characterized as interbedded layers of sandy clay or silty clay, clayey silt, clayey sand, and clayey gravel with occasional sand or gravelly sand. The presence of these soils, usually of low to very low permeability, complicate plans and limit available technologies for remediation at this Site. Copies of available lithologic soil boring logs and well construction details are provided within Appendix B. Constructed geologic cross-sections are provided within Appendix B also.

4.7 Preferential Pathway Analysis

BAI has no record of a formal utility survey of the Site and surrounding area. Therefore, it is unknown whether utility trenches within and near the Site and current plume area could be serving as preferential pathways for contaminant migration above or below the ground-water table.

5.0 REMEDIATION STATUS

5.1 Remedial Actions Taken

The first and probably most effective remedial action taken at the Site to date was the over-excavation and removal of contaminated soils encountered during UST replacement in late 1990. A total of approximately 1,950 cubic yards of soil in the vicinity of the USTs, pumps and dispenser islands was excavated and removed from the Site. The majority of the soils removed came from the vicinity of the UST complex, where contaminated soils were excavated down to 19 ft bgs. Soils under the closest dispenser island to the UST pit were excavated down to 11 ft bgs, while soils beneath the other dispenser pump islands were excavated four to six ft bgs. Drawings showing the location of samples, and tables containing analytical results of samples are contained within Appendix A.

Between 15 February 1994 and 27 December 1995, BP operated a GWETS comprised of three recovery wells (MW-3, MW-5, and MW-7), sediment filters, an oil/water separator, and two carbon vessels in series prior to discharge under permit by EBMUD to the sanitary sewer. Vapor conveyance pipelines were reportedly to be installed within the remediation system trenches leading to the compound in the northern corner of the Site. Limited plans of the GWETS

including process flow diagram/process and instrumentation diagram are provided within Appendix D. Reportedly a total of 344,650 gallons of extracted ground water from the three wells were treated by the GWETS at an average flow rate ranging between 0.3 to 0.97 gallons per minute. During this period, combined influent concentrations into the GWETS generally decreased over time for the constituents analyzed with TPG-G ranging from 19,000 µg/L to 1,100 µg/L and Benzene decreasing from 3,100 µg/L to 28 µg/L. MTBE was not analyzed for during this period. A summary of results from the GWETS operation is provided within Appendix D.

Since 1998, SPH has been bailed from onsite well MW-5 when present. Approximately 53 gallons of FP/water mixture has been removed from well MW-5 since 12 March 1998. Table 4 contains a summary of free product removal from well MW-5.

5.2 Areas Remediated

Remediation by soil removal action has taken place in the immediate vicinity of the USTs and dispenser islands. Free product removal has been conducted primarily on the southern portion of the Site from well MW-5. The GWETS extracted from onsite wells MW-3, MW-5 and MW-7, in the vicinity of and west of the UST complex out to the southern corner of the Site.

5.3 Remediation Effectiveness

Soil over-excavation during replacement of the facility infrastructure substantially removed the primary onsite contaminant source. The GWETS appears to have had some effect but possibly did not operate long enough. Free product thickness and presence has varied probably due to variations in the ground-water table.

6.0 WELL AND SENSITIVE RECEPTOR SURVEY

6.1 Designated Beneficial Shallow and Deep Ground-Water Use

According to the *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report*, the City of Oakland does not have “any plans to develop local ground-water resources for drinking water purposes, because of existing or potential saltwater intrusion, contamination, or poor or limited quantity.” However, the California Regional Water Quality Control Board – San Francisco Bay Region’s Basin Plan denotes existing beneficial uses of municipal and domestic supply (MUN), industrial process supply (PROC), industrial service supply (IND), and agricultural supply (AGR) for the East Bay Plain ground-water basin.

6.2 Well Survey Results

A sensitive receptors survey was conducted by AGS on 29 January 1992. This survey concluded that no public water supply wells were located within 2,500 feet of the Site and no private water supply wells were located within 1,000 feet of the Site. The nearest residence was stated to be adjacent to the Site. The playing fields of Fremont High School are located approximately 100 feet from the Site and the nearest hospital is approximately 6,000 feet away. Peralta Creek is the

nearest surface body of water at approximately 1,200 feet west of the Site. The local water supply was described as public and supplied by the East Bay Municipal Water District. The supplier's water source was said to be provided by Sierra snow melt and the Pardee Dam. The aquifer was classified as a Class III aquifer, which was not a potential source of drinking water. A copy of the Sensitive Receptors Survey/Site Survey and Literature Search conducted by AGS is provided within Appendix C.

6.3 Likelihood of Impact to Wells

Based on the results of the well survey, it is unlikely that the ground-water contamination associated with the Site poses a potential threat to wells. No private wells were identified within 1,000 feet of the Site and no public wells were identified within 2,500 feet of the Site.

6.4 Likelihood of Impact to Surface Water

Peralta Creek is the closest surface water to the Site (approximately 1,200 feet west). Ground-water contamination associated with the Site is unlikely to impact Peralta Creek due to the separation distance.

7.0 RISK ASSESSMENT

7.1 Site Conceptual Exposure Model

The Site is currently an operational gasoline service station. The Site is open to the public and by authorized environmental professionals performing sampling or other relevant activities. Review of historical investigation data indicates that the majority of soil and ground-water contamination associated with the Site is present at depths generally greater than five to fifteen feet beneath and downgradient of the UST complex area. Public and general occupational exposure to these secondary sources of contamination is believed to be remote and/or of short duration.

7.2 Exposure Pathways

Potential exposure pathways associated with this Site include human inhalation, ingestion, and absorption risks by environmental professionals. A remote but unknown potential exposure pathway might be human inhalation by tradesmen in the underground utility installation and maintenance occupation. The likelihood of vapor migration has not been verified by a soil-gas investigation. However, the soil concentrations present would seem unlikely to present a viable exposure pathway of concern. It is also noted that the majority of soil and ground-water contamination associated with this Site is located in the southern portion of the Site near High Street and Foothill Boulevard, away from the station building, where employees are present for extended periods of time. Soil and ground-water contamination also appears to be present off-site to the southwest within roadways, which are frequented by people walking or riding within vehicles. In addition, customers are not present for extended periods while utilizing the station, and would be congregating in open-air areas.

7.3 Risk Assessment Status

A formal Risk Assessment has not been performed for this Site. Based on the geologic/hydrogeologic characteristics and limited viable exposure pathways, consideration should be given to development of risk-based cleanup levels in lieu of strict adherence to Maximum Contaminant Levels for drinking water, Environmental Screening Levels or California Human Health Screening Levels.

7.4 Identified Human Exceedances

Human exceedances are unknown at this time but unlikely due to the geologic/hydrogeologic characteristics and location of the contaminants.

7.5 Identified Ecological Exceedances

Ecological exceedances are unknown at this time but unlikely due to the geologic/hydrogeologic characteristics and location of the contaminants.

8.0 ADDITIONAL RECOMMENDED DATA OR TASKS

As a means of updating this Initial Site Conceptual Model, existing data gaps should be closed by performing additional tasks. This additional data should contribute to knowledge of the distribution of hydrocarbon contamination and evaluation of site-specific geologic/hydrogeologic parameters necessary for evaluating and recommending viable remediation alternatives. In accordance with these objectives, the following tasks are recommended:

- ***Preferential Pathway Analysis/Underground Utility Search*** - Very limited information has been obtained to date regarding the presence and type of underground infrastructure both on and off the Site. Knowledge of onsite and offsite underground utility locations is important for assessing the mechanics of contamination migration, assessment of risk to underground utility workers, and planning future remediation activities.
- ***Additional Site Characterization*** - Varying but significant thicknesses of SPH have been identified in the far southern corner of the Site, in the vicinity of monitoring well MW-5 for some time; That was even though the screened interval of this well is often below the ground-water table and floating product, if present. It is recommended that three monitoring wells with the potential for future use as recovery wells be installed in the immediate vicinity of MW-5. Wells would be installed in the locations proposed in Drawing 3. Wells should be screened from total depth to seven ft bgs.
- ***Vapor-Phase and/or Dual-Phase Extraction Pilot Test/Interim Remedial Measure*** - Although vapor conduits were supposedly lain within the trenches of the former GWET remediation system, no information could be found regarding results of pilot testing the extraction of vapor-phase or combined soil-vapor and ground water from beneath the Site. It is recommended that existing wells MW-3, MW-5, and MW-7, and the three new wells proposed above, be drawn from individually and in combination during a five-day mobile test event for the purpose of evaluating the viability of this remediation alternative at this Site.

9.0 PROPOSED SCHEDULE

The following schedule is proposed to perform the tasks listed above:

- ***Preferential Pathway Analysis/Underground Utility Search*** – Prepare and submit preferential pathway analysis/underground utility search report within 45 days of authorization from ACEH.
- ***Additional Site Characterization*** – Conduct additional Site characterization and prepare Soil & Water Investigation Report within 90 days of authorization from ACEH.
- ***Vapor-Phase and/or Dual-Phase Extraction Pilot Test/Interim Remedial Measure*** – Perform and submit a Vapor-Phase and/or Dual-Phase Extraction Pilot Test/Interim Remedial Measures report within 90 days of installation of the new wells proposed in the Additional Site Characterization task above.

10.0 CLOSURE

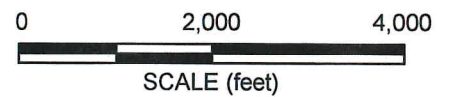
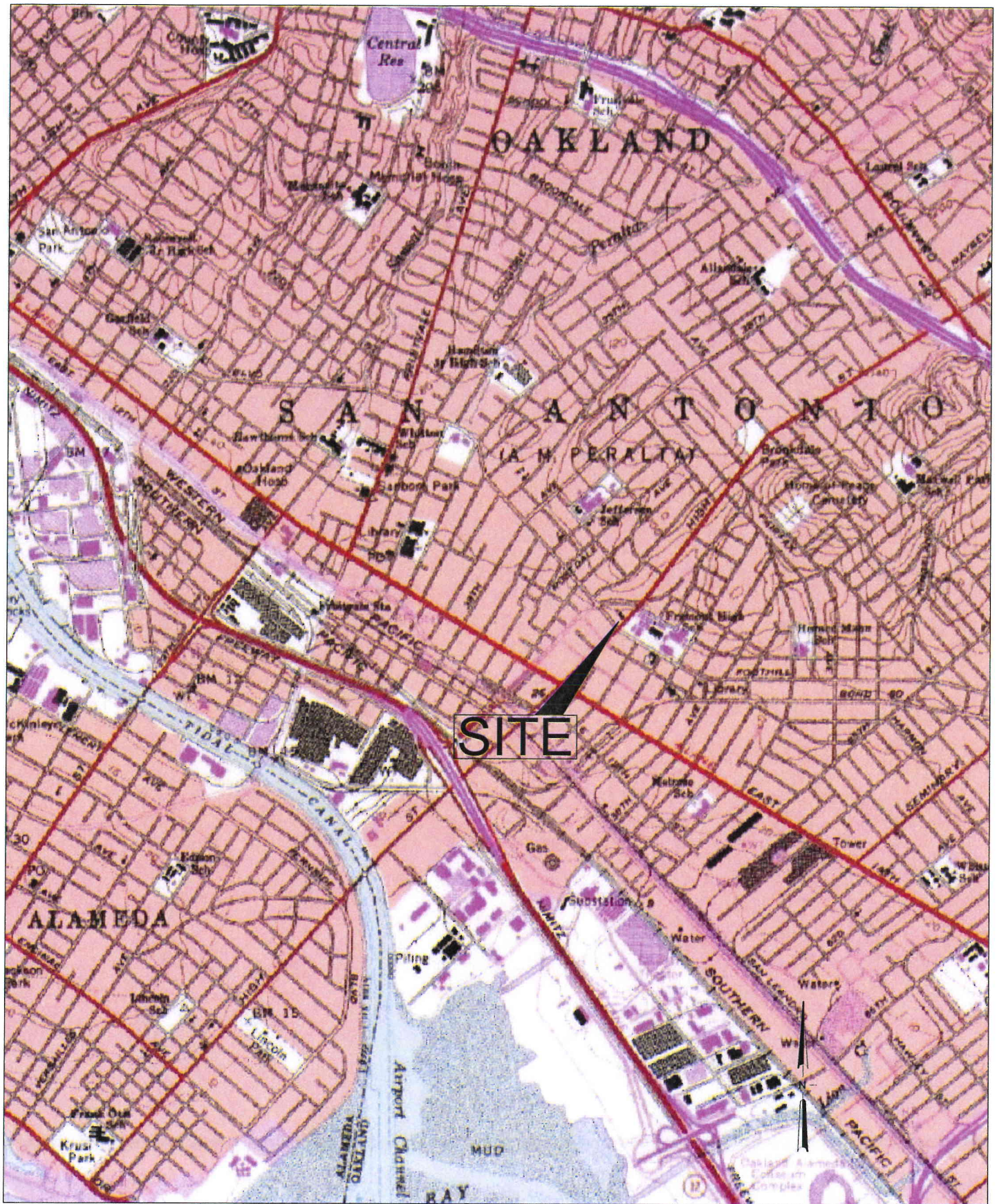
The findings presented in this document are based upon: observations of field personnel from previous consultants, the points investigated, and results of analytical tests performed by various laboratories. Our services were performed in accordance with the generally accepted standard of practice at the time this document was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of BP. It is possible that variations in soil or ground-water conditions could exist beyond points explored in this investigation. Also changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

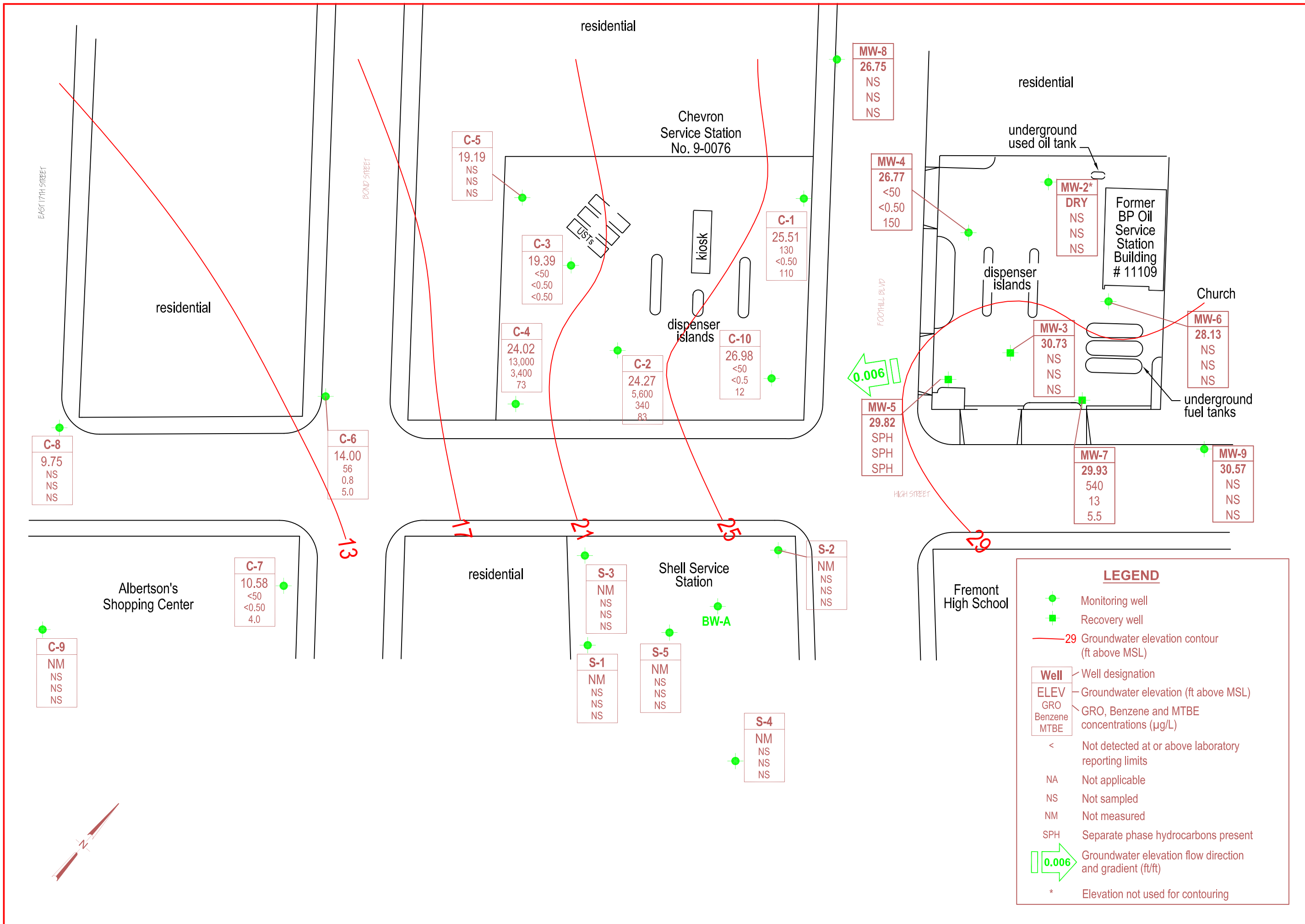
11.0 REFERENCES

- Alameda County, 2 June 1992. *Letter to BP Oil Company. BP Oil Site Facility No. 11109, 4280 Foothill Boulevard, Oakland, California.*
- Alameda County, 7 October 1992. *Request for Status Update for BP Oil Facility No. 11109, 4280 Foothill Boulevard, Oakland, California (letter to BP Oil Company).*
- Alameda County, 8 January 1993. *Request for Status Update for BP Oil Facility No. 11109, 4280 Foothill Boulevard, Oakland, California (letter to BP Oil Company).*
- Alisto Engineering Group, 19 November 1993. *Sewer Discharge Permit – Monthly Report. BP Oil Company Service Station No. 11109, 4280 Foothill Boulevard, Oakland, California (letter to East Bay Municipal Utility District).*
- Alisto Engineering Group, 11 January 1994. *Sewer Discharge Permit – Monthly Report. BP Oil Company Service Station No. 11109, 4280 Foothill Boulevard, Oakland, California (letter to East Bay Municipal Utility District).*
- Alisto Engineering Group, 31 January 1994. *Ground-Water Monitoring and Sampling Report. BP Oil Company Service Station No. 11109, 4280 Foothill Boulevard, Oakland, California.*

- Alisto Engineering Group, 25 April 1994. *Sewer Discharge Permit – Monthly Report. BP Oil Company Service Station No. 11109, 4280 Foothill Boulevard, Oakland, California (letter to East Bay Municipal Utility District).*
- Alton Geoscience, Inc., 16 February 1990 (date on report title page incorrectly listed as 16 February 1989). *Site Investigation Report. Former Mobil Service Station No. 10-H69, 4280 Foothill Boulevard, Oakland, California.*
- Alton Geoscience, Inc., 24 March 1992. *Supplemental Site Investigation. BP Oil Company Service Station No. 11109, 4280 Foothill Boulevard, Oakland, California.*
- Alton Geoscience, Inc., 2 April 1992. *Feasibility Study and Remedial Work Plan, BP Oil Company Service Station No. 11109, 4280 Foothill Boulevard, Oakland, California.*
- BP, 16 April 1990. *Letter to Alameda County Health Care Services. BP Oil Company Service Station No. 11109 (MOC-10H69), 4280 Foothill Boulevard, Oakland, California.*
- BP, 2 February 1993. *Letter to Alameda County Health Care Services Agency. BP Oil Company Service Station No. 11109, 4280 Foothill Boulevard, Oakland, California, St. ID #102.*
- BP, 16 April 1993. *Letter to East Bay Municipal Utility District. Application for Wastewater Discharge Permit. BP Oil Company Service Station No. 11109, 4280 Foothill Boulevard, Oakland, California.*
- EBMUD, 27 August 1993. *Wastewater Discharge Permit (Account No. 502-77421, letter to BP Oil Company). BP Oil Company Service Station No. 11109, 4280 Foothill Boulevard, Oakland, California.*
- EMCON, 27 December 1994. *Baseline Assessment Report, BP Oil Company Service Station No. 11109, 4280 Foothill Boulevard, Oakland, California.*
- Kaprealian Engineering, Inc., 18 August 1986. *Soil Sampling, Soil Removal, and Determination of Contamination from Waste Oil Tank Excavation. Mobil Service Station, 4280 Foothill Boulevard, Oakland, California.*
- Kaprealian Engineering, Inc., 1 November 1990. *Soil Sampling Report. BP Oil Company Service Station No. 11109, 4280 Foothill Boulevard, Oakland, California.*
- Kaprealian Engineering, Inc., 1 November 1990. *Stockpiled Soil Sampling for BP Service Station No. 11109, 4280 Foothill Boulevard, Oakland, California.*
- Mobil Oil Corporation, 29 August 1986. *Mobil Oil Corporation Monitoring Plans, Alameda County (unsigned letter to Alameda County Division of Environmental Health).*
- Mobil Oil Corporation, 7 November 1986. *Mobil Oil Corporation USTs Testing Results, Alameda County (letter to Alameda County).*
- Mobil Oil Corporation, 14 April 1988. *Mobil Oil Corporation USTs Precision Tank Test(s), Alameda County (letter to Alameda County).*
- Rittenhouse-Zeman & Associates, Inc.. 24 April 1989. *Limited Subsurface Petroleum Hydrocarbon Evaluation. Mobil Service Station No. 10-H69, 4280 Foothill Boulevard, Oakland, California (letter report to Mobil Oil Corporation).*

Target Environmental Services. March 1989. *Soil Gas Survey. Mobil Service Station #10-H69, 4280 Foothill Boulevard, Oakland, California.*





LEGEND

- Monitoring well
- Recovery well
- 29 Groundwater elevation contour (ft above MSL)

Well	Well designation
ELEV	Groundwater elevation (ft above MSL)
GRO	GRO, Benzene and MTBE concentrations (µg/L)
Benzene	
MTBE	

- < Not detected at or above laboratory reporting limits
- NA Not applicable
- NS Not sampled
- NM Not measured
- SPH Separate phase hydrocarbons present

0.006 Groundwater elevation flow direction and gradient (ft/ft)

* Elevation not used for contouring

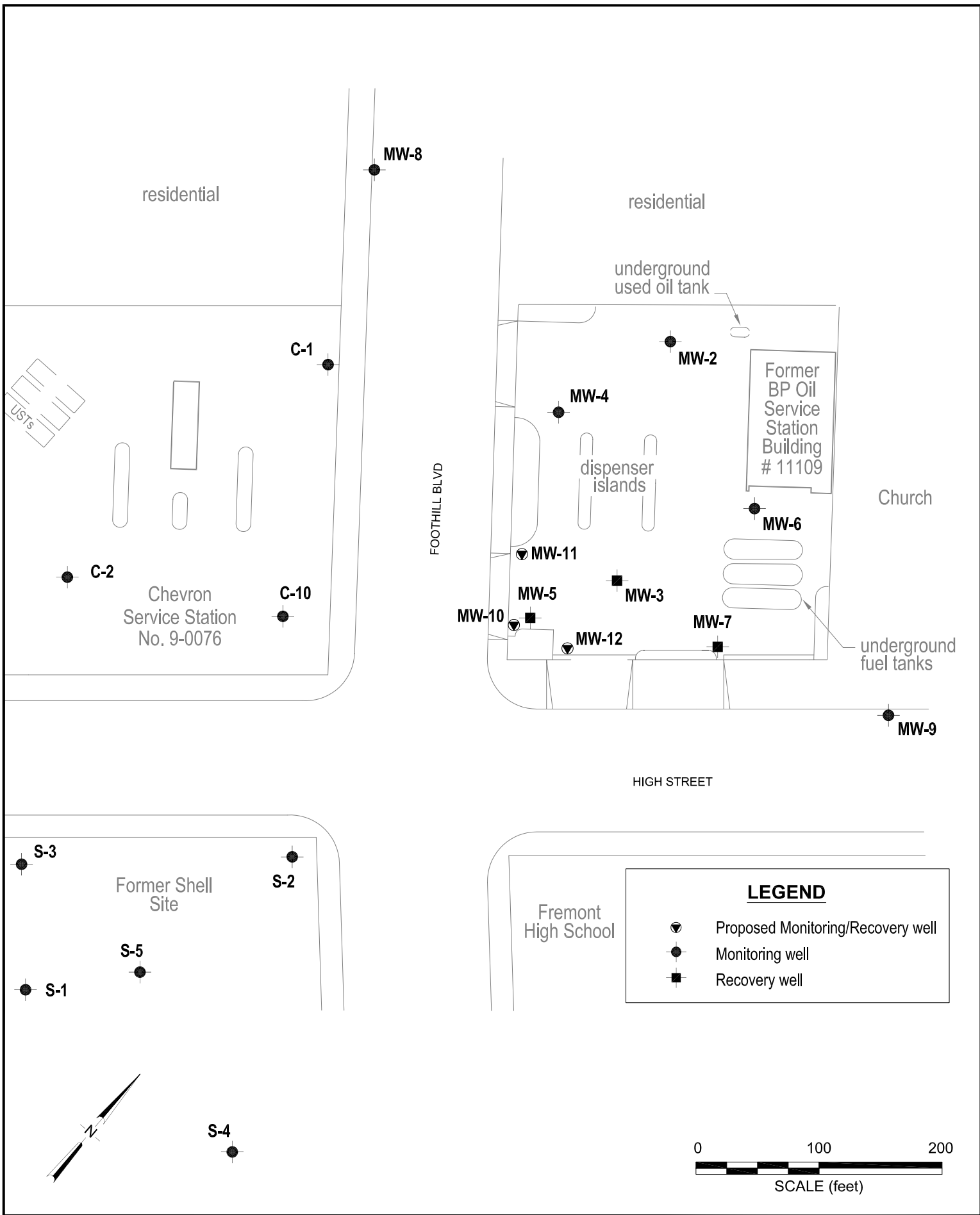


Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-1																		
1/31/1990	--		38.19	15.41	--	22.78	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1990	--	c	38.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2																		
2/5/1990	--		41.22	21.90	--	19.32	1,300	14	<0.1	9	13	--	--	SUP	--	--	--	--
2/14/1991	--	d	41.22	21.16	--	20.06	<50	<0.3	<0.3	<0.3	<0.3	--	--	SUP	--	<10000	<5000	51
5/13/1991	--	e	41.22	21.32	--	19.90	<50	<0.3	<0.3	<0.3	<0.3	--	--	SUP	--	<50	6,000	0.5
7/24/1991	--		41.22	22.92	--	18.30	--	--	--	--	--	--	--	--	--	--	--	--
10/3/1991	--	e	41.22	24.90	--	16.32	<50	<0.3	0.8	<0.3	<0.3	--	--	SUP	--	<50	<5000	0.7
10/15/1991	--		41.22	24.10	--	17.12	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--	f	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		41.22	23.95	--	17.27	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		41.22	23.30	--	17.92	<50	<0.3	<0.3	<0.3	<0.3	--	--	ANA	--	<50	<5000	--
1/22/1992	--		41.22	23.14	--	18.08	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		41.22	22.99	--	18.23	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		41.22	22.63	--	18.59	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		41.22	22.04	--	19.18	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		41.22	20.84	--	20.38	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		41.22	18.29	--	22.93	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		41.22	18.86	--	22.36	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	63	<5000	--
4/14/1992	--		41.22	19.45	--	21.77	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		41.22	20.35	--	20.87	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		41.22	20.84	--	20.38	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		41.22	22.34	--	18.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--		41.22	23.73	--	17.49	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
12/31/1992	--		41.22	21.12	--	20.10	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	g, n	41.22	17.68	--	23.54	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	<50	<5000	--
7/7/1993	--	e, n	41.22	20.30	--	20.92	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	1.0
9/21/1993	--	n	41.22	21.93	--	19.29	<50	0.9	0.7	0.7	2.6	21.54	--	PACE	--	--	--	--
12/17/1993	--		41.22	21.48	--	19.74	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	41.22	--	--	--	<50	<0.5	<0.5	<0.5	0.7	--	--	PACE	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-2 Cont.																		
4/7/1994	--	n	41.22	20.25	--	20.97	<50	<0.5	<0.5	<0.5	<0.5	12.2	5.9	PACE	--	--	--	--
7/6/1994	--	n	41.22	20.59	--	20.63	<50	<0.5	<0.5	<0.5	<0.5	--	3.1	PACE	--	--	--	--
10/7/1994	--	n	41.22	22.04	--	19.18	<50	<0.5	<0.5	<0.5	<0.5	15.2	2.8	PACE	--	--	--	--
1/27/1995	--		41.22	26.12	--	15.10	<50	<0.5	<0.5	<0.5	<1	--	4.8	ATI	--	440	<5000	--
3/30/1995	--		41.22	12.34	--	28.88	<50	<0.50	<0.50	<0.50	<1.0	--	7.2	ATI	--	--	--	--
6/20/1995	--		41.22	16.42	--	24.80	<50	<0.50	<0.50	<0.50	<1.0	--	6.0	ATI	--	--	--	--
10/3/1995	--		41.22	20.06	--	21.16	<50	<0.50	<0.50	<0.50	<1.0	<5.0	5.7	ATI	--	--	--	--
12/6/1995	--		41.22	21.31	--	19.91	<50	<0.50	<0.50	<0.50	<1.0	46	5.4	ATI	--	--	--	--
3/21/1996	--		41.22	12.28	--	28.94	<50	<0.5	<1.0	<1.0	<1.0	<1.0	7.4	SPL	--	--	--	--
6/21/1996	--		41.22	13.28	--	27.94	<50	<0.5	<1	<1	<1	<10	7.3	SPL	--	--	--	--
9/6/1996	--		41.22	13.94	--	27.28	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		41.22	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	7.4	SPL	--	--	--	--
12/19/1996	--		41.22	12.19	--	29.03	<50	<0.5	<1.0	<1.0	<1.0	<10	7.9	SPL	--	--	--	--
3/17/1997	--		41.22	11.59	--	29.63	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		41.22	13.21	--	28.01	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		41.22	12.34	--	28.88	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		41.22	11.04	--	30.18	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		41.22	11.77	--	29.45	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		41.22	12.38	--	28.84	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		41.22	17.72	--	23.50	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		41.22	11.94	--	29.28	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		41.22	10.31	--	30.91	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		41.22	14.35	--	26.87	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		41.22	13.11	--	28.11	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		41.22	13.24	--	27.98	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	P	q	41.22	18.58	--	22.64	350	<0.50	<0.50	0.56	2.8	24	--	SEQM	6.2	--	--	--
03/09/2004	P		41.22	12.52	--	28.70	74	<0.50	<0.50	0.83	4.7	27	--	SEQM	6.5	--	--	--
09/17/2004	P		41.22	18.05	--	23.17	59	<0.50	<0.50	<0.50	<0.50	21	--	SEQM	6.3	--	--	--
03/07/2005	--	p	41.22	2.32	--	38.90	--	--	--	--	--	--	--	--	--	--	--	--
09/06/2005	--	r	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	--	p	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-2 Cont.																		
9/5/2006	--	p	41.22	10.46	--	30.76	79	<0.50	5.1	<0.50	0.73	<0.50	--	TAMC	6.4	--	--	--
3/5/2007	--	p	41.22	12.25	--	28.97	--	--	--	--	--	--	--	--	--	--	--	--
9/7/2007	--	r	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	--	w	41.22	12.33	--	28.89	--	--	--	--	--	--	--	--	--	--	--	--
9/3/2008	--	r	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3																		
2/5/1990	--		40.74	17.45	--	23.29	1,400	15	<2.5	11	8	--	--	SUP	--	--	--	--
2/14/1991	--		40.74	18.52	--	22.22	320	8	<0.3	8	1	--	--	SUP	--	--	--	--
5/13/1991	--		40.74	19.32	--	21.42	640	13	<0.3	18	1	--	--	SUP	--	--	--	--
7/24/1991	--		40.74	20.69	--	20.05	--	--	--	--	--	--	--	--	--	--	--	--
10/3/1991	--		40.74	19.47	--	21.27	940	21	<0.3	23	2.1	--	--	SUP	--	--	--	--
10/15/1991	--		40.74	20.46	--	20.28	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		40.74	18.29	--	22.45	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		40.74	18.34	--	22.40	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		40.74	18.50	--	22.24	580	6.1	1	6.1	7.1	--	--	ANA	--	--	--	--
1/22/1992	--		40.74	17.86	--	22.88	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		40.74	15.84	--	24.90	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		40.74	17.53	--	23.21	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		40.74	17.15	--	23.59	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		40.74	16.18	--	24.56	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		40.74	14.80	--	25.94	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		40.74	17.06	--	23.68	1,100	30	4.6	32	11	--	--	ANA	--	--	--	--
4/14/1992	--		40.74	15.22	--	25.52	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		40.74	15.90	--	24.84	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		40.74	16.35	--	24.39	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		40.74	17.74	--	23.00	1,200	38	<2.5	24	<2.5	--	--	ANA	--	--	--	--
10/8/1992	--		40.74	19.06	--	21.68	1,400	31	<0.5	25	13	--	--	ANA	--	--	--	--
12/31/1992	--		40.74	16.61	--	24.13	820	12	4.1	13	5.9	--	--	ANA	--	--	--	--
12/31/1992	--	h	40.74	--	--	--	960	11	3.6	10	3.8	--	--	ANA	--	--	--	--
4/21/1993	--	n	40.74	14.24	--	26.50	420	5.6	<0.5	3.9	1.4	--	--	PACE	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-3 Cont.																		
4/21/1993	--	h, n	40.74	--	--	--	390	5	<0.5	3.7	1.5	--	--	PACE	--	--	--	--
7/7/1993	--	i, n	40.13	15.19	--	24.94	54	0.6	0.6	<0.5	<0.5	12.68	--	PACE	--	--	--	--
9/21/1993	--	n	40.13	16.58	--	23.55	540	7.9	0.9	4.7	2.4	--	--	PACE	--	--	--	--
12/17/1993	--		40.13	15.82	--	24.31	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	h	40.13	--	--	--	480	9.2	<0.5	5.4	5.3	--	--	PACE	--	--	--	--
12/23/1993	--	n	40.13	--	--	--	500	9.8	1.5	3.3	2.1	--	--	PACE	--	--	--	--
4/7/1994	--	h	40.13	--	--	--	460	20	7.7	9	11	--	--	PACE	--	--	--	--
4/7/1994	--	n	40.13	28.50	--	11.63	460	20	7.4	8.9	11	18.2	--	PACE	--	--	--	--
7/6/1994	--	n	40.13	--	--	--	300	10	0.6	1.7	6.4	5.54	4.8	PACE	--	--	--	--
10/7/1994	--	n	40.13	27.65	--	12.48	620	28	<0.5	2.2	12	31.4	4.4	PACE	--	--	31	--
1/27/1995	--	j	40.13	27.65	--	12.48	--	--	--	--	--	--	--	--	--	--	--	--
3/30/1995	--		40.13	26.05	--	14.08	300	10	6	3.4	18	--	7.6	ATI	--	--	--	--
6/20/1995	--		40.13	19.49	--	20.64	170	7.2	3.4	0.85	15	--	--	ATI	--	--	--	--
10/3/1995	--		40.13	24.93	--	15.20	170	2.1	<0.50	0.81	8	6.7	--	ATI	--	--	--	--
12/6/1995	--	h	40.13	--	--	--	1,400	6.1	3	1.7	190	53	--	ATI	--	--	--	--
12/6/1995	--		40.13	25.14	--	14.99	1,700	6.7	3.1	2.8	210	64	--	ATI	--	--	--	--
3/21/1996	--		40.13	9.48	--	30.65	<50	0.5	<1	<1	1	<10	7.3	SPL	--	--	--	--
6/21/1996	--		40.13	11.60	--	28.53	<50	13	<1	<1	<1	12	7.6	SPL	--	--	--	--
9/6/1996	--		40.13	12.23	--	27.90	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		40.13	--	--	--	<250	6.5	<5.0	<5.0	<5.0	<50	7.6	SPL	--	--	--	--
12/19/1996	--		40.13	10.46	--	29.67	<50	4.1	<1.0	<1.0	<1.0	<10	8.4	SPL	--	--	--	--
3/17/1997	--		40.13	9.86	--	30.27	50	<5	<1.0	<1.0	<1.0	<10	7.4	SPL	--	--	--	--
8/12/1997	--		40.13	12.11	--	28.02	<50	0.79	<1.0	<1.0	<1.0	10	6.1	SPL	--	--	--	--
12/10/1997	--		40.13	10.90	--	29.23	<50	<0.5	<1.0	<1.0	<1.0	<10	3.2	SPL	--	--	--	--
3/12/1998	--		40.13	10.20	--	29.93	<50	<0.5	<1.0	<1.0	<1.0	<10	6.3	SPL	--	--	--	--
3/12/1998	--	h	40.13	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	--	SPL	--	--	--	--
6/23/1998	--		40.13	10.17	--	29.96	50	<0.5	<1.0	<1.0	<1.0	<10	3.4	SPL	--	--	--	--
3/31/1999	--		40.13	11.45	--	28.68	60	<1.0	<1.0	<1.0	<1.0	6.2	--	SPL	--	--	--	--
8/25/1999	--		40.13	12.52	--	27.61	<50	<1.0	<1.0	<1.0	<1.0	7.7	--	SPL	--	--	--	--
3/9/2000	--		40.13	12.39	--	27.74	<50	<0.5	0.54	<0.5	1.7	6.3	--	PACE	--	--	--	--
3/8/2001	--		40.13	10.41	--	29.72	<50	<0.5	<0.5	<0.5	0.59	7.7	--	PACE	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-3 Cont.																		
3/8/2002	--		40.13	9.83	--	30.30	62	<0.5	<0.5	<0.5	<1.0	11.6	--	PACE	--	--	--	--
3/18/2002	--		40.13	9.20	--	30.93	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		40.13	10.54	--	29.59	<50	<0.50	<0.50	<0.50	<0.50	6.7	--	SEQ	--	--	--	--
12/09/2003	P		40.13	12.88	--	27.25	<50	<0.50	<0.50	<0.50	<0.50	6.4	--	SEQM	6.3	--	--	--
03/09/2004	P		40.13	9.49	--	30.64	<50	<0.50	<0.50	<0.50	0.63	6.9	--	SEQM	6.1	--	--	--
09/17/2004	--		40.13	12.76	--	27.37	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	P		40.13	7.30	--	32.83	<50	<0.50	<0.50	<0.50	0.52	5.1	--	SEQM	7.0	--	--	--
09/06/2005	--		42.92	10.81	--	32.11	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	u	42.92	8.85	--	34.07	<50	<0.50	<0.50	<0.50	<0.50	6.9	--	SEQM	6.8	--	--	--
9/5/2006	--		42.92	9.86	--	33.06	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P		42.92	8.33	--	34.59	<50	<0.50	<0.50	<0.50	<0.50	5.4	2.31	TAMC	6.95	--	--	--
9/7/2007	--		42.92	11.10	--	31.82	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	P		42.92	8.92	--	34.00	<50	<0.50	<0.50	<0.50	<0.50	4.2	2.5	CEL	6.86	--	--	--
9/3/2008	--		42.92	12.19	--	30.73	--	--	--	--	--	--	--	--	--	--	--	--
MW-4																		
2/5/1990	--		40.11	20.75	--	19.36	620	<0.5	9	<0.5	10	--	--	SUP	--	--	--	--
2/14/1991	--		40.11	21.73	--	18.38	180	<0.3	<0.3	0.4	2	--	--	SUP	--	--	--	--
5/13/1991	--		40.11	18.55	--	21.56	72	0.7	<0.3	<0.3	<0.3	--	--	SUP	--	--	--	--
7/24/1991	--		40.11	21.31	--	18.80	--	--	--	--	--	--	--	--	--	--	--	--
10/3/1991	--		40.11	22.57	--	17.54	57	<0.3	<0.3	<0.3	<0.3	--	--	SUP	--	--	--	--
10/15/1991	--		40.11	22.88	--	17.23	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		40.11	22.54	--	17.57	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		40.11	22.59	--	17.52	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		40.11	22.00	--	18.11	480	0.8	3.2	1.9	7.7	--	--	ANA	--	--	--	--
1/22/1992	--		40.11	21.58	--	18.53	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		40.11	21.42	--	18.69	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		40.11	21.10	--	19.01	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		40.11	20.74	--	19.37	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		40.11	19.78	--	20.33	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		40.11	16.80	--	23.31	--	--	--	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-4 Cont.																		
4/8/1992	--		40.11	17.13	--	22.98	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/14/1992	--		40.11	17.74	--	22.37	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		40.11	18.56	--	21.55	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		40.11	19.10	--	21.01	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		40.11	20.71	--	19.40	<50	0.6	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--		40.11	22.43	--	17.68	270	<0.5	2.1	2.5	3.2	--	--	ANA	--	--	--	--
12/31/1992	--		40.11	19.58	--	20.53	150	<0.5	<0.5	<0.5	1.3	--	--	ANA	--	--	--	--
4/21/1993	--	n	40.11	17.79	--	22.32	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/7/1993	--	n	40.11	18.44	--	21.67	160	1.2	5.4	3.8	19	5.51	--	PACE	--	--	--	--
9/21/1993	--	n	40.11	20.14	--	19.97	71	<0.5	1.9	<0.5	2.1	--	--	PACE	--	--	--	--
12/17/1993	--		40.11	19.80	--	20.31	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	40.11	--	--	--	<50	3.1	1.6	0.8	3.8	5.7	--	PACE	--	--	--	--
4/7/1994	--	n	40.11	19.12	--	20.99	<50	<0.5	<0.5	<0.5	<0.5	11.7	6.6	PACE	--	--	--	--
7/6/1994	--	n	40.11	19.90	--	20.21	62	<0.5	<0.5	<0.5	<0.5	--	4.1	PACE	--	--	--	--
10/7/1994	--	n	40.11	20.07	--	20.04	<50	<0.5	<0.5	<0.5	<0.5	7.38	3.6	PACE	--	--	--	--
1/27/1995	--		40.11	13.72	--	26.39	<50	<0.5	<0.5	<0.5	<1	--	2.7	ATI	--	--	--	--
3/30/1995	--		40.11	11.46	--	28.65	<50	<0.50	<0.50	<0.50	<1.0	--	8.3	ATI	--	--	--	--
6/20/1995	--		40.11	14.78	--	25.33	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
10/3/1995	--		40.11	19.62	--	20.49	<50	<0.50	<0.50	<0.50	<1.0	5	5.8	ATI	--	--	--	--
12/6/1995	--		40.11	19.91	--	20.20	<50	<0.50	<0.50	<0.50	<1.0	47	5.7	ATI	--	--	--	--
3/21/1996	--		40.11	11.12	--	28.99	<50	<0.5	<1	<1	<1	<10	7.8	SPL	--	--	--	--
6/21/1996	--		40.11	12.21	--	27.90	<50	<0.5	<1	<1	<1	<10	7.9	SPL	--	--	--	--
9/6/1996	--		40.11	12.89	--	27.22	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		40.11	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	7.2	SPL	--	--	--	--
12/19/1996	--		40.11	11.01	--	29.10	<50	<0.5	<1.0	<1.0	<1.0	<10	8.4	SPL	--	--	--	--
3/17/1997	--		40.11	10.42	--	29.69	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		40.11	12.77	--	27.34	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		40.11	11.22	--	28.89	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		40.11	10.81	--	29.30	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		40.11	10.61	--	29.50	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		40.11	11.46	--	28.65	--	--	--	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-4 Cont.																		
8/25/1999	--		40.11	16.16	--	23.95	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		40.11	12.23	--	27.88	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		40.11	11.04	--	29.07	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		40.11	12.73	--	27.38	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		40.11	11.62	--	28.49	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		40.11	13.44	--	26.67	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	P		40.11	15.03	--	25.08	<250	<2.5	<2.5	<2.5	<2.5	130	--	SEQM	6.1	--	--	--
03/09/2004	P		40.11	11.04	--	29.07	<50	<0.50	<0.50	<0.50	<0.50	35	--	SEQM	5.5	--	--	--
09/17/2004	P		40.11	16.75	--	23.36	<250	<2.5	<2.5	<2.5	<2.5	140	--	SEQM	6.5	--	--	--
03/07/2005	P		40.11	11.02	--	29.09	67	<0.50	<0.50	<0.50	<0.50	42	--	SEQM	6.6	--	--	--
09/06/2005	P	s, t	42.88	14.64	--	28.24	81	<0.50	<0.50	<0.50	<1.5	180	--	SEQM	6.7	--	--	--
03/06/2006	P		42.88	12.42	--	30.46	<100	<1.0	<1.0	<1.0	<1.0	110	--	SEQM	6.4	--	--	--
9/5/2006	--		42.88	13.81	--	29.07	130	<1.0	<1.0	<1.0	<1.0	190	--	TAMC	6.5	--	--	--
3/5/2007	P		42.88	10.63	--	32.25	<50	<0.50	<0.50	<0.50	<0.50	13	3.34	TAMC	7.11	--	--	--
9/7/2007	P	s, v (MTBE)	42.88	14.77	--	28.11	90	<0.50	<0.50	<0.50	<0.50	130	1.14	TAMC	6.68	--	--	--
3/6/2008	P		42.88	11.30	--	31.58	<50	<0.50	<0.50	<0.50	<0.50	170	1.76	CEL	6.62	--	--	--
9/3/2008	P		42.88	16.11	--	26.77	<50	<5.0	<5.0	<5.0	<5.0	150	1.97	CEL	6.33	--	--	--
MW-5																		
10/3/1991	--		39.55	18.08	--	21.47	79,000	13,000	7,400	1,400	6,200	--	--	SUP	--	--	--	--
10/15/1991	--		39.55	18.55	--	21.00	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--	a	39.55	18.44	0.13	20.98	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--	a	39.55	18.66	0.01	20.88	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--	a	39.55	19.12	0.11	20.32	--	--	--	--	--	--	--	--	--	--	--	--
1/22/1992	--		39.55	14.59	--	24.96	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		39.55	15.25	--	24.30	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--	q	39.55	15.58	--	23.97	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--	a	39.55	15.54	0.01	24.00	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--	q	39.55	13.98	--	25.57	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--	a	39.55	13.63	0.04	25.88	--	--	--	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-5 Cont.																		
4/8/1992	--	a	39.55	13.17	0.01	26.37	--	--	--	--	--	--	--	--	--	--	--	--
4/14/1992	--	a	39.55	13.45	0.01	26.09	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--	a	39.55	13.75	0.07	25.73	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--	a	39.55	16.15	0.04	23.36	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--	a	39.55	17.67	0.08	21.80	--	--	--	--	--	--	--	--	--	--	--	--
9/1/1992	--	a	39.55	17.83	0.50	21.22	--	--	--	--	--	--	--	--	--	--	--	--
10/8/1992	--	a	39.55	17.86	0.92	20.77	--	--	--	--	--	--	--	--	--	--	--	--
12/31/1992	--	q	39.55	15.20	--	24.35	--	--	--	--	--	--	--	--	--	--	--	--
4/21/1993	--	a	39.55	12.64	0.02	26.89	--	--	--	--	--	--	--	--	--	--	--	--
7/7/1993	--	a, i	39.14	12.68	0.82	25.64	--	--	--	--	--	--	--	--	--	--	--	--
9/21/1993	--	q	39.14	14.35	--	24.79	--	--	--	--	--	--	--	--	--	--	--	--
12/17/1993	--	a	39.14	12.61	0.41	26.12	--	--	--	--	--	--	--	--	--	--	--	--
4/7/1994	--	n	39.14	30.00	--	9.14	66,000	3,000	1,700	250	6,800	2,002	--	PACE	--	--	--	--
7/6/1994	--	n	39.14	--	--	--	29,000	1,900	330	63	2,700	1,141	--	PACE	--	--	--	--
10/7/1994	--	h	39.14	--	--	--	45,000	2,900	540	260	2,600	--	--	PACE	--	--	--	--
10/7/1994	--	n	39.14	28.70	--	10.44	250,000	2,600	660	830	5,200	37.7	4.2	PACE	--	--	--	--
1/27/1995	--		39.14	28.70	--	10.44	--	--	--	--	--	--	--	--	--	--	--	--
3/30/1995	--	h	39.14	--	--	--	43,000	7,900	2,500	440	6,200	--	--	ATI	--	--	--	--
3/30/1995	--		39.14	28.95	--	10.19	50,000	7,900	2,600	520	6,400	--	5.5	ATI	--	--	--	--
6/20/1995	--	h	39.14	--	--	--	26,000	3,500	290	<25	3,300	--	--	ATI	--	--	--	--
6/20/1995	--		39.14	22.54	--	16.60	34,000	5,100	1,900	300	3,700	--	--	ATI	--	--	--	--
10/3/1995	--	h	39.14	--	--	--	12,000	46	39	10	1,600	320	--	ATI	--	--	--	--
10/3/1995	--		39.14	18.84	--	20.30	12,000	68	42	11	1,600	330	--	ATI	--	--	--	--
12/6/1995	--		39.14	19.07	--	20.07	16,000	1,200	93	51	700	600	--	ATI	--	--	--	--
3/21/1996	--		39.14	7.43	--	31.71	1,500	89	28	6	250	<10	7.2	SPL	--	--	--	--
3/21/1996	--	h	39.14	--	--	--	1,900	92	30	7	270	<10	--	SPL	--	--	--	--
6/21/1996	--		39.14	9.87	--	29.27	3,500	740	150	19	400	<100	7.1	SPL	--	--	--	--
6/21/1996	--	h	39.14	--	--	--	2,700	680	140	20	400	<50	--	SPL	--	--	--	--
9/6/1996	--		39.14	10.52	--	28.62	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		39.14	--	--	--	82,000	3,100	1,700	850	9,100	<2500	7.5	SPL	--	--	--	--
9/9/1996	--	h	39.14	--	--	--	90,000	2,900	1,600	670	6,900	<2500	--	SPL	--	--	--	--

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Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-5 Cont.																		
12/19/1996	--	h	39.14	--	--	--	26,000	490	430	63	1,140	<500	--	SPL	--	--	--	--
12/19/1996	--		39.14	8.62	--	30.52	41,000	790	820	120	2,040	<500	7.7	SPL	--	--	--	--
3/17/1997	--	h	39.14	--	--	--	6,600	2.5	2.7	<1.0	<1.0	28	--	SPL	--	--	--	--
3/17/1997	--		39.14	8.22	--	30.92	5,500	1.9	2.4	<1.0	<1.0	29	6.4	SPL	--	--	--	--
8/12/1997	--	a	39.14	12.18	0.22	26.74	33,000	6,400	2,400	680	4,400	<1000	6.8	SPL	--	--	--	--
8/12/1997	--	h	39.14	--	--	--	36,000	6,100	2,500	720	4,500	<500	--	SPL	--	--	--	--
12/10/1997	--	h	39.14	--	--	--	37,000	2,900	2,500	440	4,800	--	--	SPL	--	--	--	--
12/10/1997	--	a	39.14	10.78	0.06	28.30	31,000	3,000	2,500	560	5,100	500	1.8	SPL	--	--	--	--
3/12/1998	--	a	39.14	10.11	0.22	28.81	100,000	1,600	870	250	2,600	<250	6.1	SPL	--	--	--	--
6/23/1998	--	a	39.14	10.20	0.02	28.92	27,000	2,500	840	370	2,900	<250	2.1	SPL	--	--	--	--
6/23/1998	--	h	39.14	--	--	--	27,000	2,600	840	400	2,950	<500	--	SPL	--	--	--	--
3/31/1999	--	f	39.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--	a	39.14	14.69	0.38	24.07	180,000	2,700	400	830	2,800	26	--	SPL	--	--	--	--
3/9/2000	--	a	39.14	14.83	0.60	23.71	53,000	12,000	2,600	1,900	9,100	<5.0	--	PACE	--	--	--	--
3/8/2001	--	f	39.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--	a	39.14	11.45	1.50	26.19	33,000	8,240	1,080	1,010	2,900	34.3	--	PACE	--	--	--	--
3/18/2002	--		39.14	8.03	--	31.11	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--	a	39.14	9.60	0.45	29.09	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	--	a	39.14	11.44	0.03	27.72	--	--	--	--	--	--	--	--	--	--	--	--
03/09/2004	P		39.14	7.91	--	31.23	31,000	3,900	1,100	780	3,600	<50	--	SEQM	6.6	--	--	--
09/17/2004	--	a	39.14	12.13	0.15	27.13	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	--	a	39.14	8.62	0.02	27.13	--	--	--	--	--	--	--	--	--	--	--	--
09/06/2005	--	a	41.98	11.16	0.18	30.96	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	a, q	41.98	8.60	SHEEN	33.38	32,000	7,500	810	1,200	2,300	<50	--	SEQM	6.4	--	--	--
9/5/2006	--	a	41.98	6.16	0.03	35.82	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P	q	41.98	8.34	SHEEN	33.64	90,000	10,000	4,200	1,900	7,900	<50	1.30	TAMC	6.91	--	--	--
9/7/2007	--	a	41.98	15.15	0.15	26.94	--	--	--	--	--	--	--	--	--	--	--	--
1/14/2008	--	a	41.98	10.30	0.49	32.05	--	--	--	--	--	--	--	--	--	--	--	--
2/27/2008	--	a	41.98	13.22	0.12	28.85	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	--	a	41.98	12.90	0.14	29.19	--	--	--	--	--	--	--	--	--	--	--	--
9/3/2008	--	a	41.98	12.90	0.99	29.82	--	--	--	--	--	--	--	--	--	--	--	--

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Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-5																		
MW-6																		
10/3/1991	--		41.59	20.73	--	20.86	<50	0.7	0.8	<0.3	1.3	--	--	SUP	--	--	--	--
10/15/1991	--		41.59	21.20	--	20.39	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		41.59	21.26	--	20.33	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		41.59	21.12	--	20.47	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		41.59	20.29	--	21.30	<50	<0.5	<0.5	<0.5	1.6	--	--	ANA	--	--	--	--
1/22/1992	--		41.59	20.12	--	21.47	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		41.59	20.20	--	21.39	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		41.59	20.09	--	21.50	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		41.59	19.15	--	22.44	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		41.59	18.02	--	23.57	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		41.59	16.62	--	24.97	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		41.59	17.06	--	24.53	<50	0.6	<0.5	0.8	<0.5	--	--	ANA	--	--	--	--
4/14/1992	--		41.59	17.23	--	24.36	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		41.59	18.12	--	23.47	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		41.59	18.52	--	23.07	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		41.59	19.71	--	21.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--	h	41.59	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--		41.59	21.22	--	20.37	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
12/31/1992	--		41.59	21.33	--	20.26	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	n	41.59	16.45	--	25.14	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/7/1993	--	j, n	41.59	18.68	--	22.91	<50	<0.5	<0.5	<0.5	<0.5	28.96	--	PACE	--	--	29	--
9/21/1993	--	n	41.59	19.64	--	21.95	<50	<0.5	<0.5	<0.5	1.6	--	--	PACE	--	--	--	--
12/17/1993	--		41.59	21.08	--	20.51	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	41.59	--	--	--	<50	<0.5	0.5	<0.5	0.6	13.95	--	PACE	--	--	--	--
4/7/1994	--	n	41.59	21.27	--	20.32	<50	<0.5	<0.5	<0.5	<0.5	35.1	6.1	PACE	--	--	--	--
7/6/1994	--	n	41.59	19.81	--	21.78	<50	<0.5	<0.5	<0.5	<0.5	--	4.0	PACE	--	--	--	--
7/6/1994	--	h	41.59	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
10/7/1994	--	j, n	41.59	21.25	--	20.34	<50	<0.5	<0.5	<0.5	<0.5	24.3	3.5	PACE	--	--	24	--
1/27/1995	--		41.59	12.39	--	29.20	<50	<0.5	<0.5	<0.5	<1	--	4.2	ATI	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-6 Cont.																		
3/30/1995	--		41.59	11.34	--	30.25	<50	<0.50	<0.50	<0.50	<1.0	--	6.1	ATI	--	--	--	--
6/20/1995	--		41.59	15.12	--	26.47	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
10/3/1995	--		41.59	20.68	--	20.91	<50	<0.50	<0.50	<0.50	<1.0	66	6.4	ATI	--	--	--	--
12/6/1995	--		41.59	23.77	--	17.82	<50	<0.50	<0.50	<0.50	<1.0	45	5.7	ATI	--	--	--	--
3/21/1996	--		41.59	11.55	--	30.04	<50	<0.5	<1	<1	<1	41	9.1	SPL	--	--	--	--
6/21/1996	--		41.59	12.60	--	28.99	<50	<0.5	<1	<1	<1	<10	8.6	SPL	--	--	--	--
9/6/1996	--		41.59	13.25	--	28.34	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--	k	41.59	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	22/22	7.9	SPL	--	--	--	--
12/19/1996	--		41.59	11.45	--	30.14	<50	<0.5	<1.0	<1.0	<1.0	<10	7.7	SPL	--	--	--	--
3/17/1997	--		41.59	10.80	--	30.79	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		41.59	13.11	--	28.48	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		41.59	13.84	--	27.75	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		41.59	11.17	--	30.42	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		41.59	13.27	--	28.32	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		41.59	12.91	--	28.68	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		41.59	15.93	--	25.66	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		41.59	11.49	--	30.10	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		41.59	10.81	--	30.78	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		41.59	14.28	--	27.31	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		41.59	13.10	--	28.49	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		41.59	13.63	--	27.96	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	P		41.59	14.26	--	27.33	<50	<0.50	<0.50	<0.50	<0.50	12	--	SEQM	6.4	--	--	--
03/09/2004	NP		41.59	11.87	--	29.72	<50	<0.50	<0.50	<0.50	<0.50	10	--	SEQM	7.1	--	--	--
09/17/2004	--		41.59	16.45	--	25.14	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	P		41.59	13.65	--	27.94	<50	<0.50	<0.50	<0.50	<0.50	5.8	--	SEQM	6.7	--	--	--
09/06/2005	--		44.37	14.23	--	30.14	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	u	44.37	12.89	--	31.48	<50	<0.50	<0.50	<0.50	<0.50	8.1	--	SEQM	6.8	--	--	--
9/5/2006	--		44.37	14.10	--	30.27	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P		44.37	11.43	--	32.94	<50	<0.50	<0.50	<0.50	<0.50	5.6	2.57	TAMC	7.70	--	--	--
9/7/2007	--		44.37	16.00	--	28.37	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	P		44.37	11.84	--	32.53	<50	<0.50	<0.50	<0.50	<0.50	1.9	2.34	CEL	6.81	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-6 Cont.																		
9/3/2008	--		44.37	16.24	--	28.13	--	--	--	--	--	--	--	--	--	--	--	--
MW-7																		
10/3/1991	--		40.64	14.93	--	25.71	360	62	13	3.4	20	--	--	SUP	--	--	--	--
10/15/1991	--		40.64	15.16	--	25.48	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		40.64	15.41	--	25.23	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		40.64	15.21	--	25.43	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		40.64	14.56	--	26.08	1,100	170	<0.5	24	23	--	--	ANA	--	--	--	--
1/22/1992	--		40.64	14.63	--	26.01	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		40.64	14.73	--	25.91	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		40.64	14.58	--	26.06	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		40.64	13.94	--	26.70	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		40.64	13.10	--	27.54	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		40.64	12.66	--	27.98	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		40.64	12.77	--	27.87	750	150	<0.5	23	9.9	--	--	ANA	--	--	--	--
4/14/1992	--		40.64	13.02	--	27.62	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		40.64	13.59	--	27.05	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		40.64	13.95	--	26.69	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		40.64	14.73	--	25.91	660	210	<2.5	33	8	--	--	ANA	--	--	--	--
10/8/1992	--		40.64	15.75	--	24.89	320	49	1.4	13	6.2	--	--	ANA	--	--	--	--
12/31/1992	--		40.64	13.57	--	27.07	900	100	<2.5	28	4.3	--	--	ANA	--	--	--	--
4/21/1993	--	n	40.64	14.56	--	26.08	510	83	1.2	10	5.8	--	--	PACE	--	--	--	--
7/7/1993	--	h, n	40.32	--	--	--	1,100	170	1.9	29	2.84	9.84	--	PACE	--	--	--	--
7/7/1993	--	i, n	40.32	13.40	--	26.92	1,100	160	2	27	4	10.84	--	PACE	--	--	--	--
9/21/1993	--	n	40.32	14.40	--	25.92	690	150	3.1	26	5.7	--	--	PACE	--	--	--	--
9/21/1993	--	h, n	40.32	--	--	--	640	140	1.7	23	2.4	--	--	PACE	--	--	--	--
12/17/1993	--		40.32	13.65	--	26.67	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	40.32	--	--	--	250	64	1.2	9	1.8	7.81	--	PACE	--	--	--	--
4/7/1994	--	n	40.32	30.62	--	9.70	140	32	1.4	<0.5	<0.5	6.32	--	PACE	--	--	--	--
7/6/1994	--	n	40.32	16.88	--	23.44	410	94	1.3	10	3.5	<5.0	4.4	PACE	--	--	--	--
10/7/1994	--	n	40.32	25.59	--	14.73	<50	9.2	<0.5	<0.5	<0.5	<5.0	4.9	PACE	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-7 Cont.																		
1/27/1995	--	h	40.32	--	--	--	930	620	4	77	21	--	--	ATI	--	--	--	--
1/27/1995	--		40.32	9.82	--	30.50	810	570	3	60	17	--	0.0	ATI	--	--	--	--
3/30/1995	--		40.32	9.15	--	31.17	180	65	0.53	2	<1.0	--	7.8	ATI	--	--	--	--
6/20/1995	--		40.32	11.38	--	28.94	2,800	980	<5.0	<5.0	43	--	--	ATI	--	--	--	--
10/3/1995	--		40.32	29.95	--	10.37	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
12/6/1995	--		40.32	29.85	--	10.47	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
3/21/1996	--		40.32	9.76	--	30.56	1,000	390	2	40	13	<10	7.4	SPL	--	--	--	--
6/21/1996	--		40.32	11.01	--	29.31	<250	40	<5	<5	<5	<50	7.4	SPL	--	--	--	--
9/6/1996	--		40.32	11.68	--	28.64	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		40.32	--	--	--	<250	13	<5.0	<5.0	<5.0	<50	7.2	SPL	--	--	--	--
12/19/1996	--		40.32	10.78	--	29.54	70	1.2	<1.0	1	<1.0	<10	8.3	SPL	--	--	--	--
3/17/1997	--		40.32	9.96	--	30.36	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		40.32	11.44	--	28.88	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		40.32	10.42	--	29.90	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		40.32	9.51	--	30.81	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		40.32	9.98	--	30.34	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		40.32	10.38	--	29.94	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		40.32	12.38	--	27.94	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		40.32	8.48	--	31.84	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		40.32	8.37	--	31.95	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--	f	40.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		40.32	9.94	--	30.38	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		40.32	11.26	--	29.06	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	P		40.32	12.76	--	27.56	270	26	<0.50	<0.50	<0.50	8.7	--	SEQM	6.1	--	--	--
03/09/2004	P		40.32	10.91	--	29.41	320	49	0.73	1.8	0.59	6.9	--	SEQM	6.2	--	--	--
09/17/2004	P		40.32	13.20	--	27.12	330	17	<0.50	<0.50	<0.50	7.0	--	SEQM	6.6	--	--	--
03/07/2005	P		40.32	8.18	--	32.14	340	41	0.79	0.79	0.73	7.2	--	SEQM	6.9	--	--	--
09/06/2005	P		43.10	11.80	--	31.30	1,100	130	1.2	1.8	<1.5	16	--	SEQM	6.7	--	--	--
03/06/2006	P		43.10	8.39	--	34.71	440	31	0.78	0.74	0.81	8.3	--	SEQM	7.1	--	--	--
9/5/2006	--		43.10	11.45	--	31.65	2,000	260	3.1	5.9	<2.5	12	--	TAMC	6.6	--	--	--
3/5/2007	P		43.10	9.31	--	33.79	2,200	110	2.2	4.0	1.8	7.6	1.06	TAMC	7.26	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-7 Cont.																		
9/7/2007	P		43.10	12.18	--	30.92	220	8.4	<0.50	<0.50	<0.50	1.2	0.98	TAMC	6.89	--	--	--
3/6/2008	P		43.10	10.05	--	33.05	1,800	54	1.2	1.1	<1.0	<1.0	--	CEL	7.02	--	--	--
9/3/2008	P		43.10	13.17	--	29.93	540	13	0.69	<0.50	<0.50	5.5	4.77	CEL	6.88	--	--	--
MW-8																		
10/3/1991	--		38.18	22.37	--	15.81	<50	<0.3	0.6	<0.3	0.9	--	--	SUP	--	--	--	--
10/15/1991	--		38.18	22.70	--	15.48	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		38.18	22.44	--	15.74	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		38.18	22.47	--	15.71	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		38.18	21.94	--	16.24	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
1/22/1992	--		38.18	21.44	--	16.74	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		38.18	21.20	--	16.98	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		38.18	20.88	--	17.30	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		38.18	20.54	--	17.64	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		38.18	19.99	--	18.19	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		38.18	16.75	--	21.43	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		38.18	16.57	--	21.61	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/14/1992	--	f	38.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		38.18	18.61	--	19.57	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		38.18	18.41	--	19.77	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		38.18	20.35	--	17.83	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--	f	38.18	21.74	--	16.44	--	--	--	--	--	--	--	--	--	--	--	--
12/31/1992	--		38.18	19.09	--	19.09	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	n	38.18	18.92	--	19.26	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/7/1993	--	n	38.18	17.76	--	20.42	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	--	--	--
9/21/1993	--	n	38.18	19.71	--	18.47	<50	2.9	2.2	2.2	7.1	--	--	PACE	--	--	--	--
12/17/1993	--		38.18	21.33	--	16.85	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	38.18	--	--	--	<50	<0.5	<0.5	<0.5	0.6	<5.0	--	PACE	--	--	--	--
4/7/1994	--	n	38.18	21.51	--	16.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0	6.6	PACE	--	--	--	--
7/6/1994	--	n	38.18	17.41	--	20.77	<50	<0.5	<0.5	<0.5	<0.5	<5.0	4.4	PACE	--	--	--	--
10/7/1994	--	n	38.18	19.20	--	18.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.7	PACE	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-8 Cont.																		
1/27/1995	--		38.18	12.25	--	25.93	<50	<0.5	<0.5	<0.5	<1	--	2.9	ATI	--	--	--	--
3/30/1995	--		38.18	10.35	--	27.83	<50	<0.50	<0.50	<0.50	<1.0	--	8.3	ATI	--	--	--	--
6/20/1995	--		38.18	13.37	--	24.81	<50	<0.50	<0.50	<0.50	<1.0	--	6.9	ATI	--	--	--	--
10/3/1995	--	f	38.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/6/1995	--		38.18	18.42	--	19.76	<50	<0.50	<0.50	<0.50	<1.0	47	5.3	ATI	--	--	--	--
3/21/1996	--	f	38.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/21/1996	--		38.18	13.03	--	25.15	<50	<0.5	<1	<1	<1	<10	7.0	SPL	--	--	--	--
9/6/1996	--		38.18	13.70	--	24.48	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		38.18	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	7.0	SPL	--	--	--	--
12/19/1996	--		38.18	11.93	--	26.25	<50	<0.5	<1.0	<1.0	<1.0	<10	7.6	SPL	--	--	--	--
3/17/1997	--		38.18	11.29	--	26.89	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		38.18	13.73	--	24.45	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		38.18	11.88	--	26.30	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		38.18	11.89	--	26.29	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		38.18	11.33	--	26.85	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		38.18	12.68	--	25.50	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		38.18	14.93	--	23.25	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		38.18	9.14	--	29.04	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		38.18	8.41	--	29.77	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		38.18	11.18	--	27.00	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		38.18	10.72	--	27.46	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		38.18	10.46	--	27.72	--	--	--	--	--	--	--	--	--	--	--	--
03/09/2004	P		38.18	9.79	--	28.39	<50	<0.50	<0.50	<0.50	<0.50	0.50	--	SEQM	7.2	--	--	--
09/17/2004	--		38.18	15.35	--	22.83	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	P		38.18	7.94	--	30.24	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.7	--	--	--
09/06/2005	--		40.95	13.06	--	27.89	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	u	40.95	9.26	--	31.69	<50	<0.50	<0.50	<0.50	<0.50	0.59	--	SEQM	7.2	--	--	--
9/5/2006	--		40.95	12.61	--	28.34	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P		40.95	9.12	--	31.83	<50	<0.50	<0.50	<0.50	0.53	<0.50	6.79	TAMC	7.17	--	--	--
9/7/2007	--		40.95	13.56	--	27.39	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	P		40.95	9.80	--	31.15	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.14	CEL	6.86	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-8 Cont.																		
9/3/2008	--		40.95	14.20	--	26.75	--	--	--	--	--	--	--	--	--	--	--	--
MW-9																		
10/3/1991	--		41.25	14.12	--	27.13	<50	<0.3	0.4	<0.3	<0.3	--	--	SUP	--	--	--	--
10/15/1991	--		41.25	14.27	--	26.98	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		41.25	13.84	--	27.41	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		41.25	14.18	--	27.07	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		41.25	13.42	--	27.83	<50	<0.5	<0.5	<0.5	0.9	--	--	ANA	--	--	--	--
1/22/1992	--		41.25	13.75	--	27.50	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		41.25	14.76	--	26.49	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		41.25	13.38	--	27.87	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		41.25	11.86	--	29.39	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		41.25	10.78	--	30.47	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		41.25	11.63	--	29.62	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		41.25	12.25	--	29.00	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/14/1992	--		41.25	12.32	--	28.93	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		41.25	13.07	--	28.18	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		41.25	14.43	--	26.82	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		41.25	13.85	--	27.40	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--		41.25	14.89	--	26.36	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
12/31/1992	--		41.25	11.90	--	29.35	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	n	41.25	13.68	--	27.57	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/7/1993	--	n	41.25	13.12	--	28.13	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	--	--	--
9/21/1993	--	n	41.25	14.00	--	27.25	<50	<0.5	<0.5	<0.5	0.9	--	--	PACE	--	--	--	--
12/17/1993	--		41.25	12.98	--	28.27	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	41.25	--	--	--	<50	<0.5	<0.5	<0.5	0.9	<5.0	--	PACE	--	--	--	--
4/7/1994	--	n	41.25	13.24	--	28.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0	4.7	PACE	--	--	--	--
7/6/1994	--	n	41.25	13.77	--	27.48	<50	<0.5	<0.5	<0.5	<0.5	--	3.9	PACE	--	--	--	--
10/7/1994	--	n	41.25	14.60	--	26.65	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.0	PACE	--	--	--	--
1/27/1995	--		41.25	8.47	--	32.78	<50	<0.5	<0.5	<0.5	<1	--	2.5	ATI	--	--	--	--
3/30/1995	--		41.25	8.19	--	33.06	<50	<0.50	<0.50	<0.50	<1.0	--	8.4	ATI	--	--	--	--

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #11109, 4280 Foothill Blvd., Oakland, CA**

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-9 Cont.																		
6/20/1995	--		41.25	11.25	--	30.00	<50	<0.50	<0.50	<0.50	<1.0	--	8.1	ATI	--	--	--	--
10/3/1995	--		41.25	14.68	--	26.57	<50	<0.50	<0.50	<0.50	<1.0	<5.0	6.0	ATI	--	--	--	--
12/6/1995	--		41.25	16.07	--	25.18	<50	<0.50	<0.50	<0.50	<1.0	46	5.4	ATI	--	--	--	--
3/21/1996	--		41.25	9.60	--	31.65	<50	<0.5	<1	<1	<1	<10	8.0	SPL	--	--	--	--
6/21/1996	--		41.25	10.86	--	30.39	<50	<0.5	<1	<1	<1	<10	7.8	SPL	--	--	--	--
9/6/1996	--		41.25	11.52	--	29.73	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--	k	41.25	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	20/21	7.3	SPL	--	--	--	--
12/19/1996	--		41.25	10.43	--	30.82	<50	<0.5	<1.0	<1.0	<1.0	<10	7.3	SPL	--	--	--	--
3/17/1997	--		41.25	9.87	--	31.38	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		41.25	11.44	--	29.81	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		41.25	10.44	--	30.81	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		41.25	9.50	--	31.75	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		41.25	10.06	--	31.19	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		41.25	9.06	--	32.19	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		41.25	12.00	--	29.25	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		41.25	10.57	--	30.68	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		41.25	9.73	--	31.52	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		41.25	11.89	--	29.36	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		41.25	9.68	--	31.57	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		41.25	9.21	--	32.04	--	--	--	--	--	--	--	--	--	--	--	--
03/09/2004	--		41.25	10.99	--	30.26	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.6	--	--	--
09/17/2004	--		41.25	13.35	--	27.90	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	P		41.25	8.94	--	32.31	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	--	--	--
09/06/2005	--		44.06	11.99	--	32.07	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	u	44.06	8.26	--	35.80	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	--	--	--
9/5/2006	--		44.06	11.63	--	32.43	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P		44.06	9.33	--	34.73	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.22	TAMC	7.03	--	--	--
9/7/2007	--		44.06	12.28	--	31.78	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	P		44.06	10.11	--	33.95	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.72	CEL	6.90	--	--	--
9/3/2008	--		44.06	13.49	--	30.57	--	--	--	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOG (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
QC-2																		
10/8/1992	--	1	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
12/31/1992	--	1	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	1, n	41.25	--	--	--	--	--	--	--	--	--	--	PACE	--	--	--	--
7/7/1993	--	1, n	41.25	--	--	--	<50	<0.5	<0.5	<0.5	0.6	--	--	PACE	--	--	--	--
9/21/1993	--	1, n	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
12/23/1993	--	1	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
4/7/1994	--	1	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/6/1994	--	1	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
10/7/1994	--	1	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
1/27/1995	--	1	41.25	--	--	--	<50	<0.5	0.5	<0.5	<1	--	--	ATI	--	--	--	--
3/30/1995	--	1	41.25	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
6/20/1995	--	1	41.25	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
10/3/1995	--	1	41.25	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
12/6/1995	--	1	41.25	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
3/21/1996	--	1	41.25	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	--	--	--
6/21/1996	--	1	41.25	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	--	--	--

ABBREVIATIONS & SYMBOLS:

--/-- = Not analyzed/applicable/measured/available
< = Not detected at or above specified laboratory reporting limit
DO = Dissolved oxygen
DTW = Depth to water in ft bgs
ft bgs = Feet below ground surface
ft MSL = Feet above mean sea level
GRO = Gasoline range organics, range C4-C12
GWE = Groundwater elevation in ft MSL
mg/L = Milligrams per liter
MTBE = Methyl tert-butyl ether
ND = Not detected
NP = Well not purged prior to sampling
P = Well purged prior to sampling
TOC = Top of casing elevation in ft MSL
TPH-g = Total petroleum hydrocarbons as gasoline
µg/L = Micrograms per liter
ANA = Anamatrix, Inc.
PACE = Pace, Inc.
ATI = Analytical Technologies, Inc.
CEI = Ceimic Corporation
SPL = Southern Petroleum Laboratories
SEQ/SEQM= Sequoia Analytical/Sequoia Analytical - Morgan Hill (Laboratories)
SUP = Superior Analytical Laboratory

FOOTNOTES:

- (a) Free product in well.
- (c) Well destroyed during tank removal in November 1990.
- (d) Methylene chloride.
- (e) 1,2-Dichloroethane.
- (f) Well inaccessible.
- (g) Sample collected from MW-2 for TPH-d analysis received in laboratory 7 days after collection; sample exceeded EPA recommended holding time for TPH-d on a water matrix.
- (h) Blind duplicate.
- (i) TOC lowered.
- (j) A copy of the documentation for this data is included in Appendix C of Alisto report 10-014-07-001.
- (k) EPA Methods 8020/8260 used.
- (l) Travel blank.
- (n) A copy of the documentation for this data is included in the Blaine Tech Services, Inc. report 020308-DW-2. The data for samples taken on April 21, 1993, have been destroyed. No chromatograms could be located for the samples taken on: July 7, 1993, for well MW-2 and TB; September 21, 1993, for all wells MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, the DUP and TB; December 23, 1993, for wells MW-2 and MW-3; and July 6, 1994, for wells MW-2, MW-4, MW-6, and MW-9.
- (p) Well not sampled due to damage during site construction.
- (q) Sheen in well.
- (r) Well dry.
- (s) The hydrocarbon result for GRO was partly due to individual peaks in the quantification range.
- (t) MS and/or MSD were below the acceptance limits for MTBE. Matrix interference was suspected.
- (u) Possible high bias for benzene due to CCV falling outside acceptance criteria.
- (v) The sample concentration is greater than four times the spike concentration.
- (w) = Insufficient water to sample.

NOTES:

GWE adjusted assuming a specific gravity of 0.75 for free product.
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

**Table 2. Summary of Fuel Additives Analytical Data
Station #11109, 4280 Foothill Blvd., Oakland, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-2									
12/09/2003	<100	<20	24	<0.50	<0.50	<0.50	--	--	
03/09/2004	<100	<20	27	<0.50	<0.50	<0.50	<0.50	<0.50	
09/17/2004	<100	<20	21	<0.50	<0.50	<0.50	<0.50	<0.50	
9/5/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-3									
12/09/2003	<100	<20	6.4	<0.50	<0.50	<0.50	--	--	
03/09/2004	<100	<20	6.9	<0.50	<0.50	<0.50	<0.50	<0.50	
03/07/2005	<100	<20	5.1	<0.50	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	6.9	<0.50	<0.50	<0.50	<0.50	<0.50	
3/5/2007	<300	<20	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<300	<10	4.2	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-4									
12/09/2003	<500	<100	130	<2.5	<2.5	2.7	--	--	
03/09/2004	<100	<20	35	<0.50	<0.50	<0.50	<0.50	<0.50	
09/17/2004	<500	<100	140	<2.5	<2.5	2.6	<2.5	<2.5	
03/07/2005	<100	<20	42	<0.50	<0.50	0.56	<0.50	<0.50	
09/06/2005	<150	<10	180	<0.50	<0.50	2.8	<0.50	<0.50	a
03/06/2006	<600	<40	110	<1.0	<1.0	1.4	<1.0	<1.0	
9/5/2006	<600	<40	190	<1.0	<1.0	1.7	<1.0	<1.0	
3/5/2007	<300	<20	13	<0.50	<0.50	<0.50	<0.50	<0.50	
9/7/2007	<300	<20	130	<0.50	<0.50	1.7	<0.50	<0.50	b (MTBE)
3/6/2008	<300	14	170	<0.50	<0.50	2.1	<0.50	<0.50	
9/3/2008	<3,000	<100	150	<5.0	<5.0	<5.0	<5.0	<5.0	
MW-5									
03/09/2004	<10,000	<2,000	<50	<50	<50	<50	96	<50	
03/06/2006	<30,000	<2,000	<50	60	<50	<50	<50	<50	
3/5/2007	<30,000	<2,000	<50	57	<50	<50	<50	<50	
MW-6									
12/09/2003	<100	<20	12	<0.50	<0.50	<0.50	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Station #11109, 4280 Foothill Blvd., Oakland, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-6 Cont.									
03/09/2004	<100	<20	10	<0.50	<0.50	<0.50	0.58	<0.50	
03/07/2005	<100	<20	5.8	<0.50	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	8.1	<0.50	<0.50	<0.50	<0.50	<0.50	
3/5/2007	<300	<20	5.6	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<300	<10	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-7									
12/09/2003	<100	<20	8.7	<0.50	<0.50	<0.50	--	--	
03/09/2004	<100	<20	6.9	<0.50	<0.50	<0.50	1.2	<0.50	
09/17/2004	<100	<20	7.0	<0.50	<0.50	<0.50	<0.50	<0.50	
03/07/2005	<100	<20	7.2	<0.50	<0.50	<0.50	<0.50	<0.50	
09/06/2005	<150	30	16	0.60	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	8.3	<0.50	<0.50	<0.50	<0.50	<0.50	
9/5/2006	<1,500	<100	12	<2.5	<2.5	<2.5	<2.5	<2.5	
3/5/2007	<600	<40	7.6	<1.0	<1.0	<1.0	<1.0	<1.0	
9/7/2007	<300	<20	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<600	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
9/3/2008	<300	17	5.5	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-8									
03/09/2004	<100	<20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/07/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	0.59	<0.50	<0.50	<0.50	<0.50	<0.50	
3/5/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-9									
03/09/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/07/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/5/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

ABBREVIATIONS AND SYMBOLS:

TBA = tert-Butyl alcohol

MTBE = Methyl tert-butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tert-butyl ether

TAME = tert-Amyl methyl ether

1,2-DCA = 1,2-Dichloroethane

EDB = 1,2-Dibromoethane

µg/L = micrograms per liter

< = Not detected at or above specified laboratory reporting limit

-- = Data not available, not analyzed, or not applicable

FOOTNOTES:

(a) MS and/or MSD below acceptance limits for MTBE. Matrix interference suspected.

(b) The sample concentration is greater than four times the spike concentration.

NOTES:

All fuel oxygenate compounds analyzed using EPA Method 8260B.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

**Table 3. Historical Ground-Water Flow Direction and Gradient
Station #11109, 4280 Foothill Blvd., Oakland, CA**

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
3/6/2006	Southwest	0.05
9/5/2006	Southwest	0.05
2/21/2007	Southwest	0.02
9/7/2007	Southwest	0.03
3/6/2008	Southwest	0.01
9/3/2008	Southwest	0.006

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Table 4
Summary of Free Product Removal
Former BP Service Station #11109
4280 Foothill Boulevard, Oakland, California

Well ID	Date of Removal Event	DTW (feet)	Product Thickness (feet)	Product Removed (gallons)	Cumulative Product Removed (gallons)
MW-5	11/5/1992	--	--	0.200	0.200
MW-5	2/25/1993	--	--	0.100	0.300
MW-5	3/18/1993	--	--	0.100	0.400
MW-5	4/13/1993	--	--	0.100	0.500
MW-5	4/23/1993	--	--	13.0*	13.500
MW-5	5/24/1993	--	--	0.100	13.600
MW-5	10/14/1993	--	--	0.300	13.900
MW-5	11/10/1993	--	--	0.400	14.300
MW-5	12/23/1993	--	--	0.400	14.700
MW-5	8/12/1997	12.18	0.22	--	14.700
MW-5	12/10/1997	10.78	0.06	--	14.700
MW-5	3/12/1998	10.11	0.22	0.200	14.900
MW-5	6/23/1998	10.20	0.02	<0.050	14.900
MW-5	9/11/1998	11.61	0.04	0.100	15.000
MW-5	8/25/1999	14.69	0.38	0.070	15.070
MW-5	3/9/2000	14.83	0.60	0.400	15.470
MW-5	7/14/2003	12.72	0.03	0.019	15.489
MW-5	8/25/2003	14.04	0.00	0.000	15.489
MW-5	9/25/2003	14.38	0.08	0.052	15.542
MW-5	10/3/2003	12.15	0.06	0.040	15.582
MW-5	11/12/2003	12.74	0.19	0.120	15.702
MW-5	12/9/2003	11.44	0.03	0.040	15.742
MW-5	2/2/2004	6.47	0.04	0.030	15.772
MW-5	2/9/2004	10.61	0.04	0.030	15.802
MW-5	3/9/2004	7.91	--	--	15.802
MW-5	4/13/2004	9.68	0.28	0.200	16.002
MW-5	5/5/2004	11.93	Sheen	--	16.002
MW-5	6/3/2004	12.60	Sheen	--	16.002
MW-5	7/2/2004	11.11	0.10	0.060	16.062
MW-5	8/31/2004	12.80	0.05	0.132	16.194
MW-5	9/17/2004	12.13	0.15	--	16.194
MW-5	10/25/2004	10.66	0.26	0.170	16.364
MW-5	11/8/2004	9.98	0.02	0.020	16.384
MW-5	12/15/2004	8.76	0.01	0.010	16.394
MW-5	1/13/2005	7.12	--	--	16.394
MW-5	2/1/2005	8.10	0.01	0.007	16.400
MW-5	3/7/2005	8.62	0.02	0.013	16.413
MW-5	4/29/2005	9.39	--	--	16.413
MW-5	5/12/2005	7.51	0.01	0.007	16.420
MW-5	6/23/2005	7.70	--	--	16.420
MW-5	7/2/2005	10.81	--	--	16.420
MW-5	8/24/2005	10.53	--	--	16.420
MW-5	9/6/2005	11.16	0.18	0.119	16.539
MW-5	1/27/2006	9.02	0.02	0.013	16.433
MW-5	2/15/2006	8.38	0.02	0.013	16.446
MW-5	3/6/2006	8.60	Sheen	--	16.446

Table 4
Summary of Free Product Removal
Former BP Service Station #11109
4280 Foothill Boulevard, Oakland, California

Well ID	Date of Removal Event	DTW (feet)	Product Thickness (feet)	Product Removed (gallons)	Cumulative Product Removed (gallons)
MW-5	4/21/2006	8.02	0.27	0.251	16.697
MW-5	5/30/2006	9.13	0.07	0.045	16.742
MW-5	6/27/2006	9.49	0.09	0.058	16.801
MW-5	7/31/2006	10.08	0.08	0.052	16.853
MW-5	8/28/2006	10.75	0.09	0.059	16.911
MW-5	9/5/2006	6.16	0.03	0.020	16.931
MW-5	10/1/2006	--	--	--	16.931
MW-5	11/1/2006	--	--	--	16.931
MW-5	12/1/2006	--	--	--	16.931
MW-5	1/1/2007	--	--	--	16.931
MW-5	2/1/2007	--	--	--	16.931
MW-5	3/5/2007	8.34	Sheen	--	16.931
MW-5	4/1/2007	--	--	--	16.931
MW-5	5/1/2007	--	--	--	16.931
MW-5	6/1/2007	--	--	--	16.931
MW-5	7/1/2007	--	--	--	16.931
MW-5	8/1/2007	--	--	--	16.931
MW-5	9/7/2007	15.15	0.15	--	16.931
MW-5	9/18/2007	15.42	0.02	4.00*	20.931
MW-5	10/17/2007	12.50	0.35	5.5*	26.431
MW-5	11/8/2007	13.20	0.40	5.0*	31.431
MW-5	12/12/2007	12.25	0.52	3.5*	34.931
MW-5	1/14/2008	10.30	0.49	5.0*	39.931
MW-5	2/27/2008	13.22	0.12	4.0*	43.931
MW-5	3/6/2008	12.90	0.14	3.0*	46.931
MW-5	4/1/2008	9.52	0.07	4.0*	50.931
MW-5	5/20/2008	8.68	0.07	7.0*	57.931
MW-5	6/18/2008	10.46	0.18	0.00	57.931
MW-5	7/16/2008	11.25	0.00	0.0375	57.968
MW-5	8/13/2008	--	--	2.125*	60.093
MW-5	9/3/2008	12.90	0.99	3.0*	63.093
MW-5	9/15/2008	12.75	0.15	4.0*	64.093
MW-5	10/15/2008	13.43	0.50	5.0*	68.093

ABBREVIATIONS & SYMBOLS:

-- = Not available/applicable/measured/calculated

* = FP/water mixture

NOTES:

The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Figure 1. Ground-Water Elevations over Time

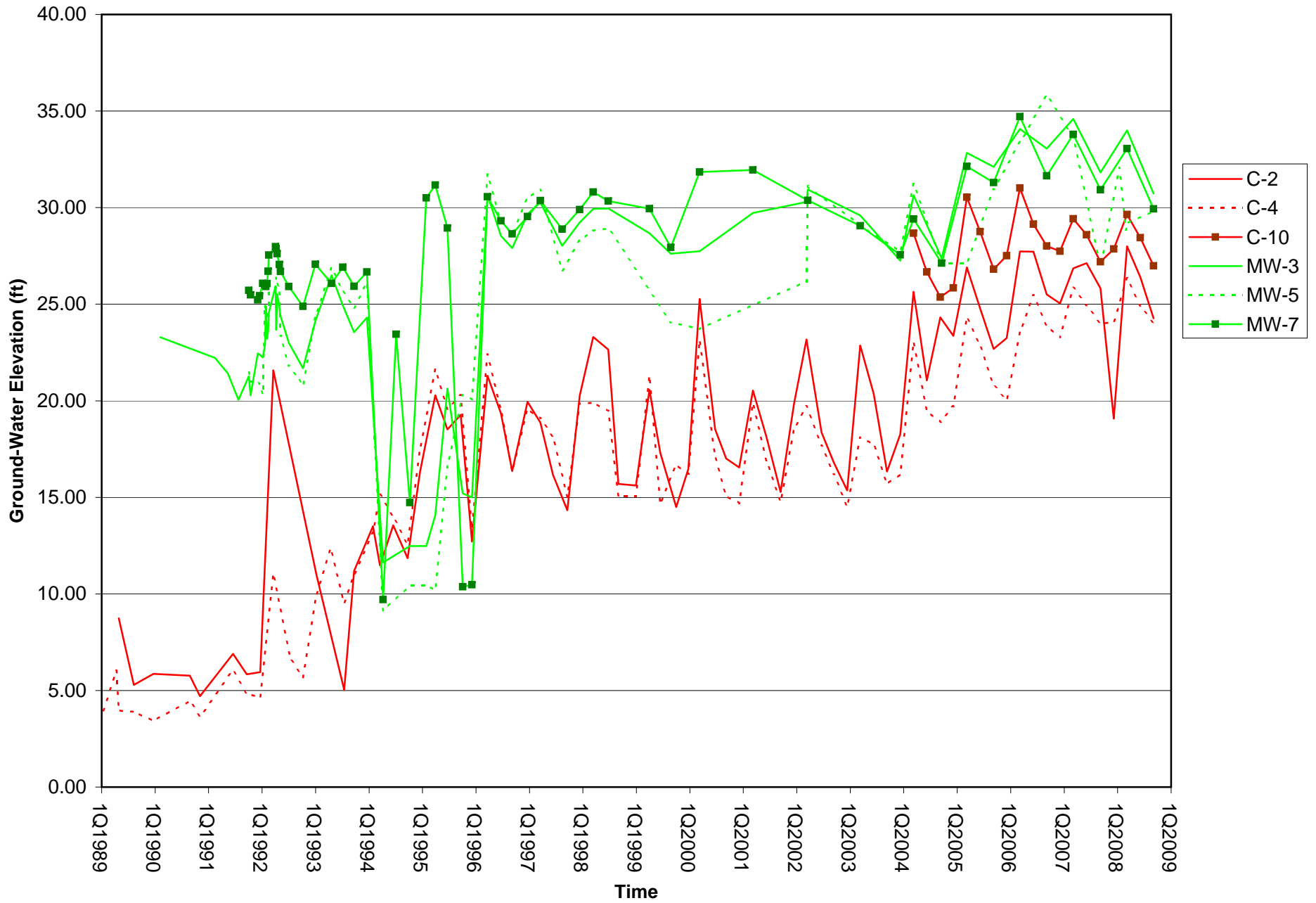


Figure 2. TPH-G Concentrations over Time



Figure 3. Benzene Concentrations over Time

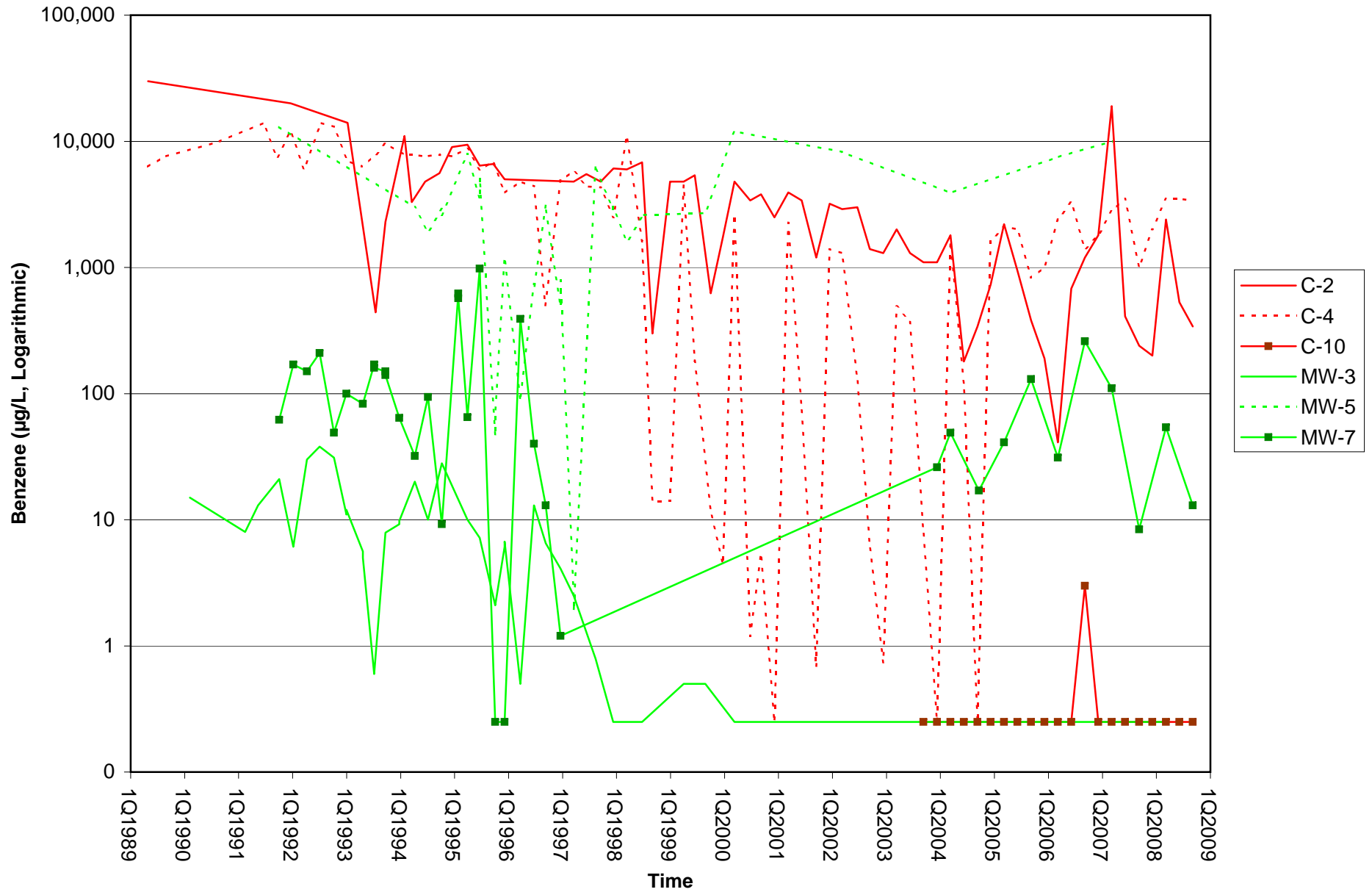
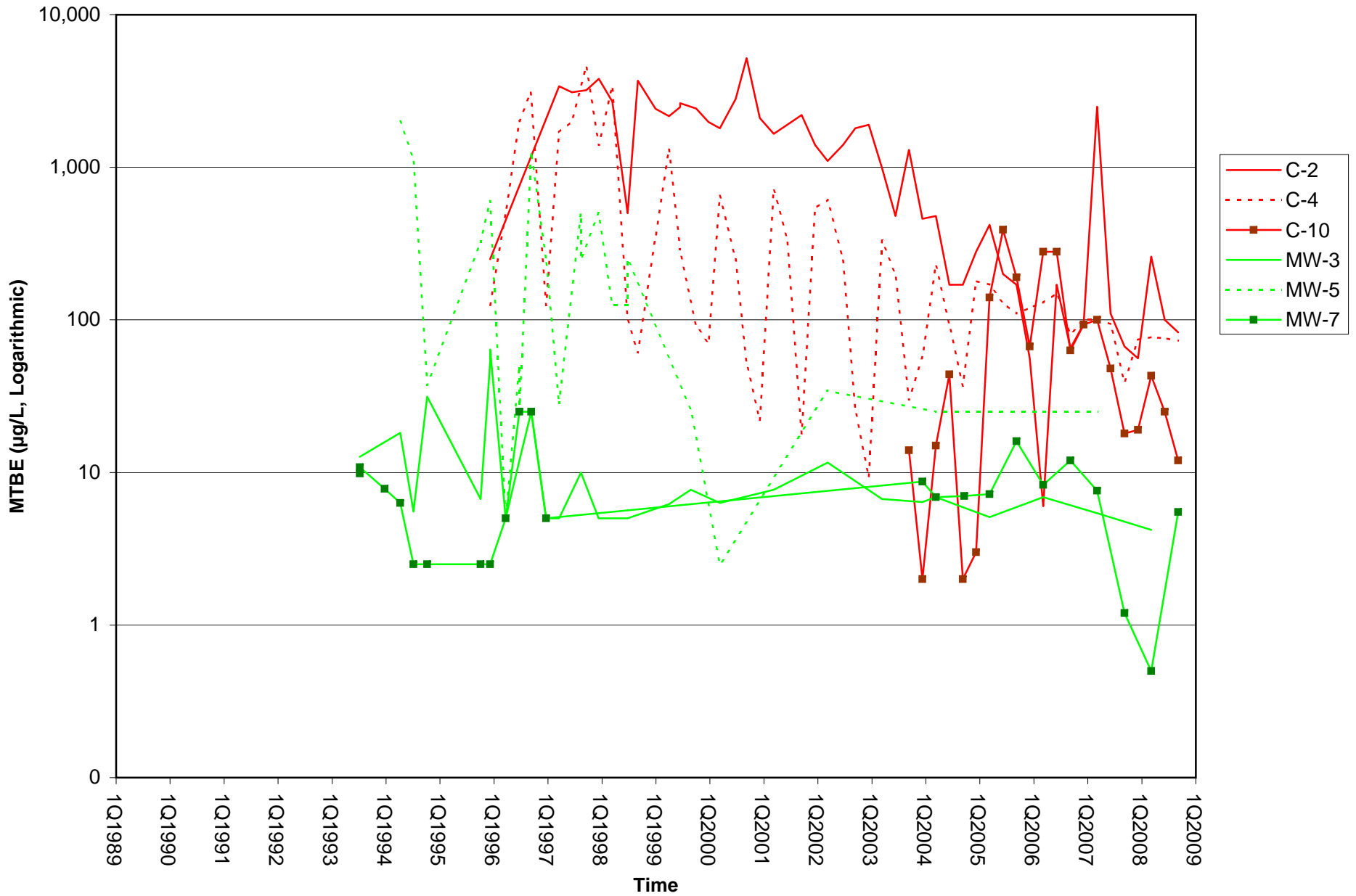


Figure 4. MTBE Concentrations over Time



APPENDIX A

Historical Soil and Ground-Water Data

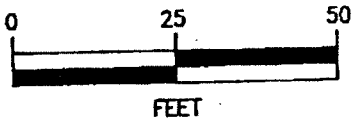
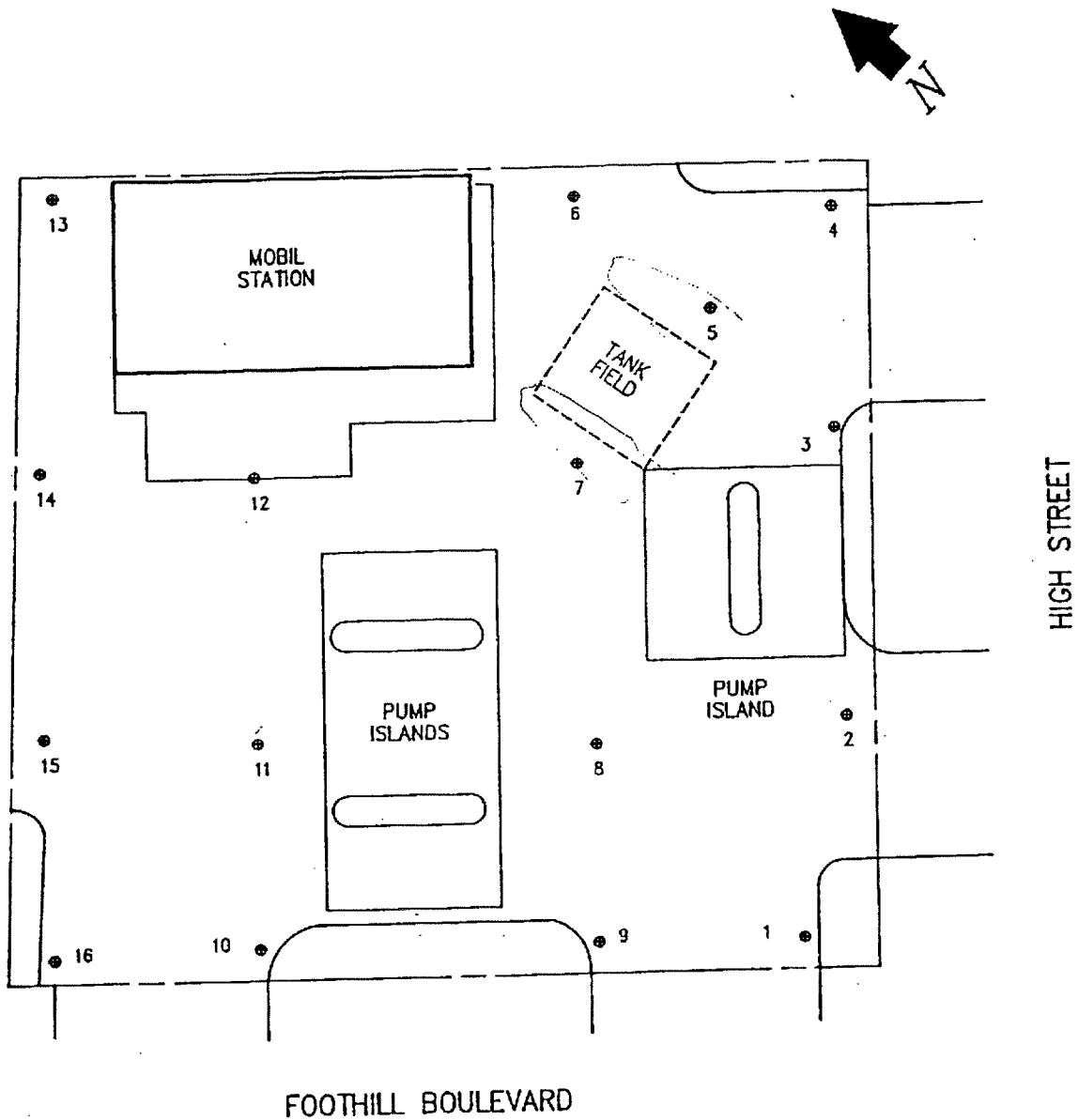
TARGET ENVIRONMENTAL SERVICES, 3/1989

TABLE 1
SOIL GAS
LABORATORY RESULTS
FLAME IONIZATION DETECTOR ANALYSIS
CONCENTRATIONS IN MICROGRAMS-PER-LITER

SAMPLE	PENTANE/ MTBE ¹	BENZENE	TOLUENE	ETHYL- BENZENE	m- & p- XYLENE	o- XYLENE	TOTAL VOLATILES ²
1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7.5
2	73	2	21	13	9.6	8.9	643
3	5,497	150	91	345	131	33	500
4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
5	13	<1.0	4.3	<1.0	<1.0	<1.0	16
6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
7	3.8	<1.0	<1.0	<1.0	<1.0	<1.0	30
8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
9	2.4	<1.0	3.3	2.4	<1.0	<1.0	19
10	4.5	<1.0	<1.0	<1.0	<1.0	<1.0	89
11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
12	6.5	<1.0	6.3	<1.0	<1.0	<1.0	28
13	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	19
14	10	3.0	112	64	291	120	50
15	2.9	<1.0	<1.0	<1.0	<1.0	<1.0	25
16	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
FIELD CONTROL SAMPLES							
17	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
LABORATORY SYRINGE BLANKS							
BM1-1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DUPLICATE ANALYSES							
10	4.5	<1.0	<1.0	<1.0	<1.0	<1.0	89
10R	4.1	<1.0	<1.0	<1.0	<1.0	<1.0	84

¹CONCENTRATIONS BASED ON RESPONSE FACTOR OF MTBE

²CALCULATED USING THE SUM OF THE AREAS OF ALL INTEGRATED CHROMATOGRAM PEAKS, AND THE INSTRUMENT RESPONSE FACTOR FOR TOLUENE



• SOIL GAS SAMPLE LOCATION

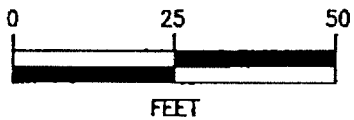
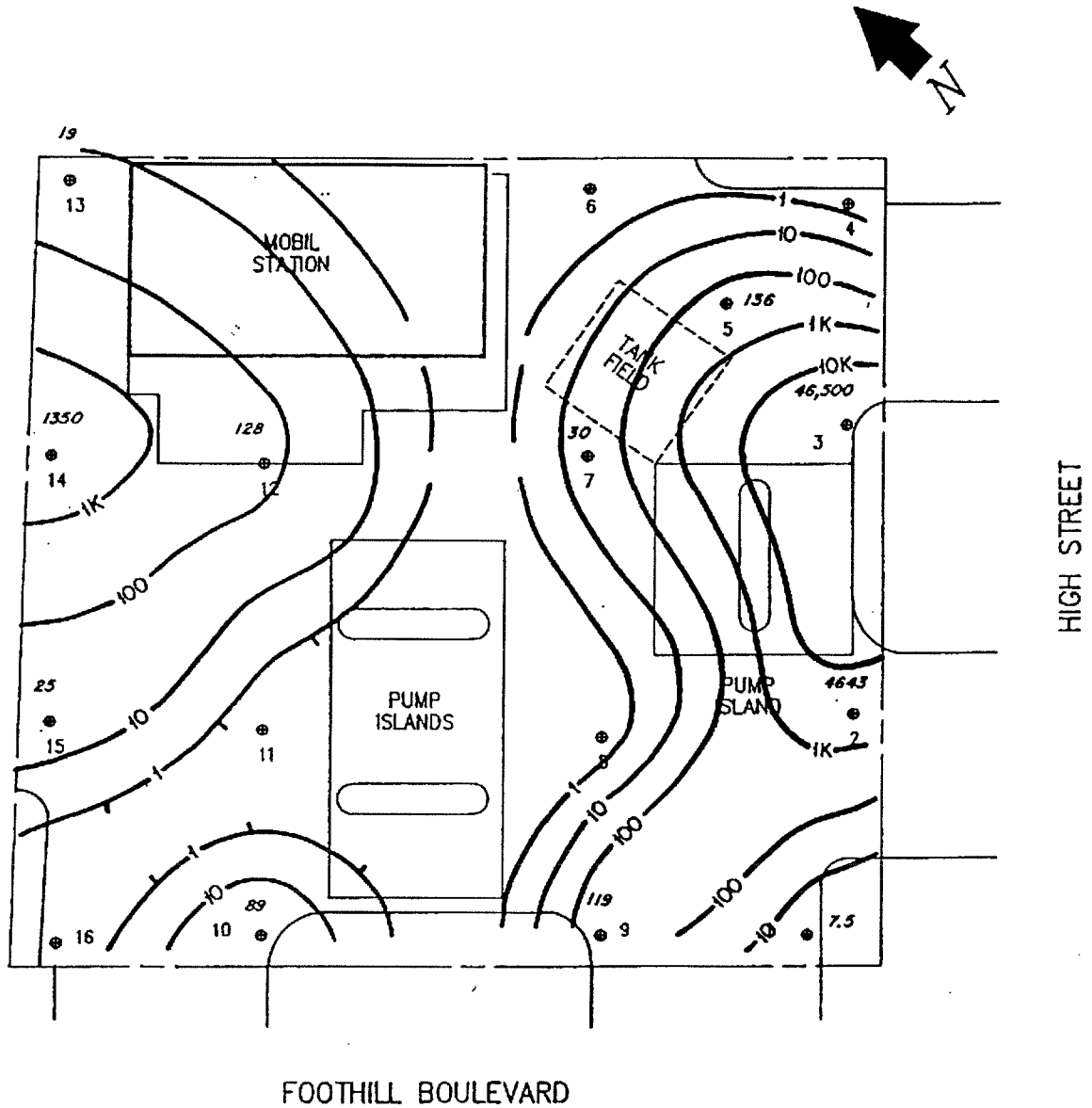
FIGURE 1. Sample Locations



TARGET ENVIRONMENTAL SERVICES, INC.

This map is integral to a written report and should be viewed in that context.

MOBIL SERVICE STATION #10-H69
4280 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA



• SOIL GAS SAMPLE LOCATION

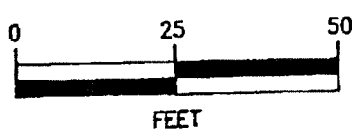
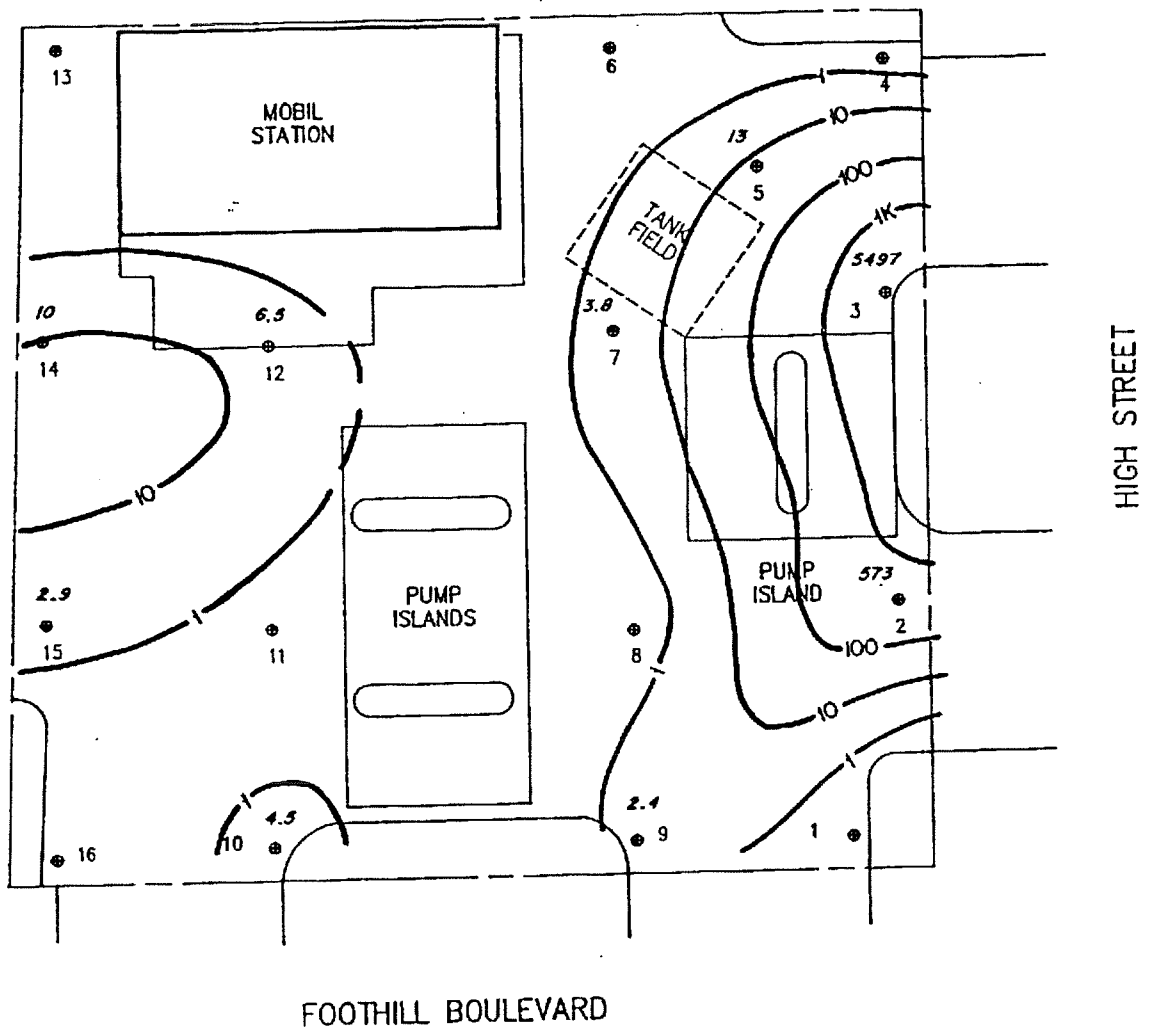
FIGURE 2. FID Total Volatiles
(calc'd $\mu\text{g}/\text{l}$)



TARGET ENVIRONMENTAL SERVICES, INC.

This map is integral to a written report
and should be viewed in that context.

MOBIL SERVICE STATION #10-H69
4280 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA



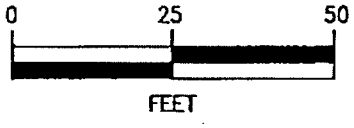
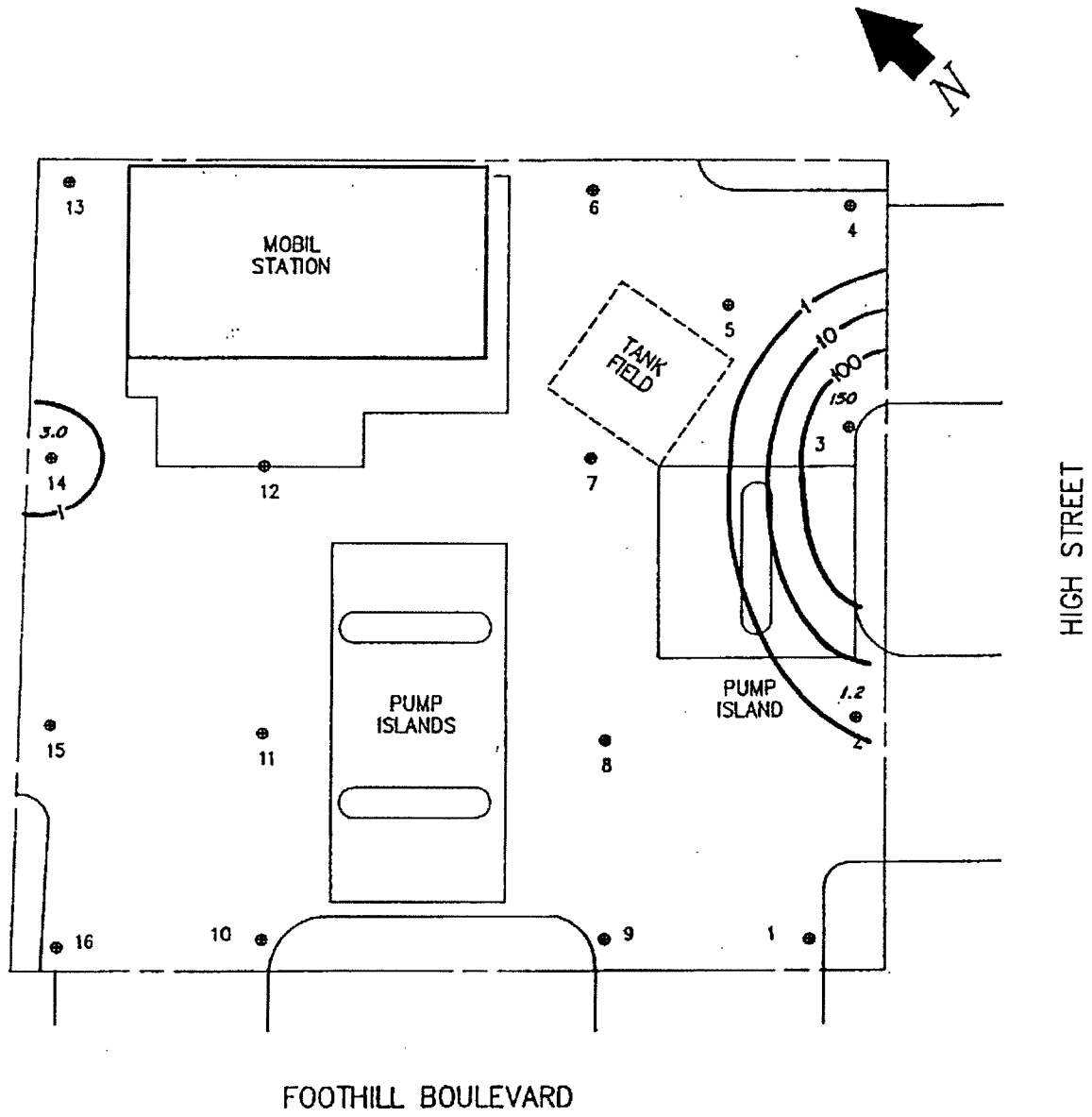
• SOIL GAS SAMPLE LOCATION

FIGURE 3. MTBE and Pentane ($\mu\text{g}/\text{l}$)



This map is integral to a written report and should be viewed in that context.

MOBIL SERVICE STATION #10-H69
4280 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA



• SOIL GAS SAMPLE LOCATION

FIGURE 4. Benzene ($\mu\text{g}/\text{l}$)



This map is integral to a written report and should be viewed in that context.

MOBIL SERVICE STATION #10-H69
4280 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

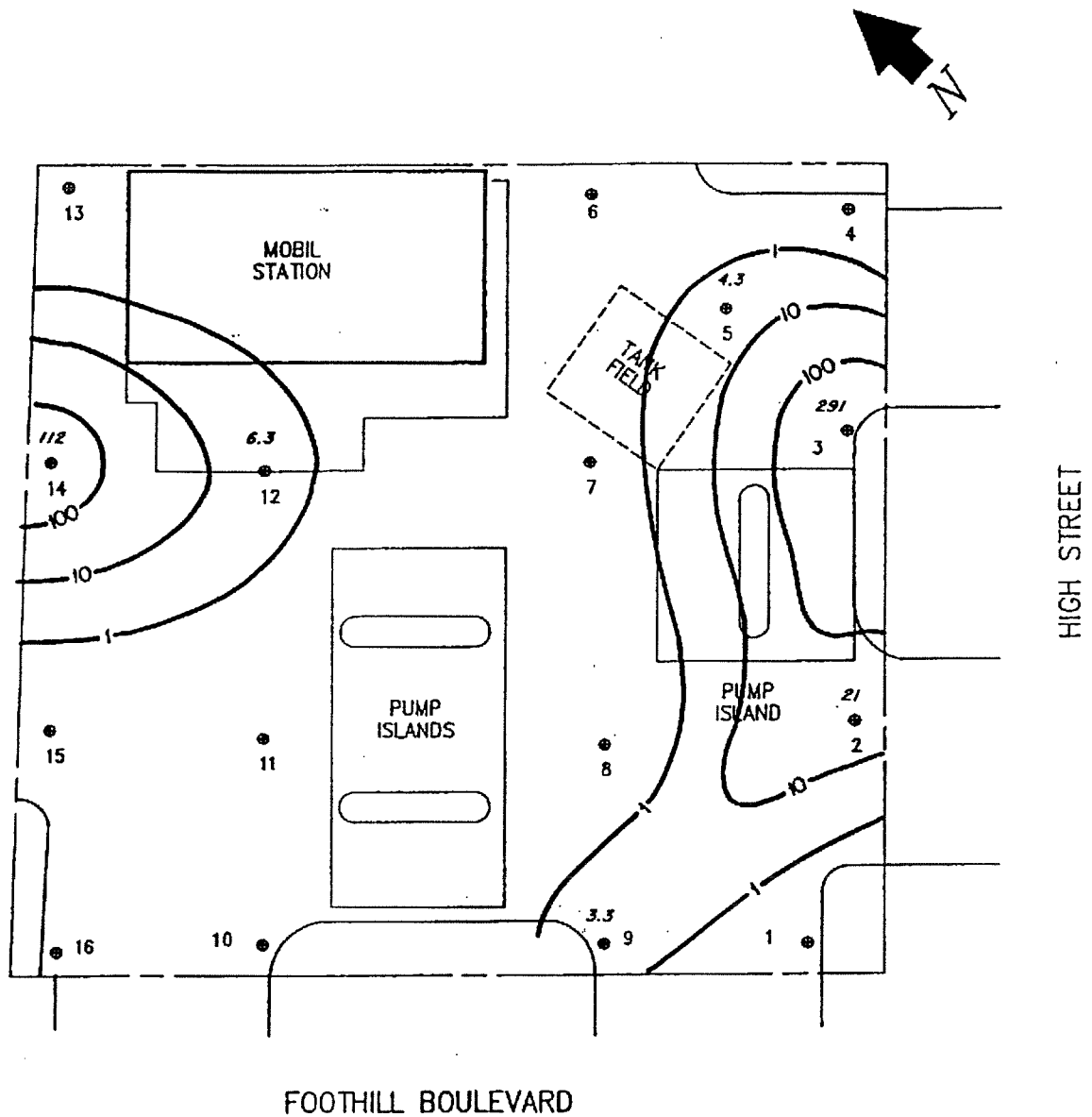


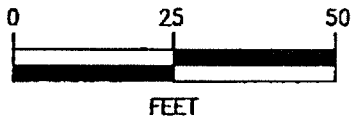
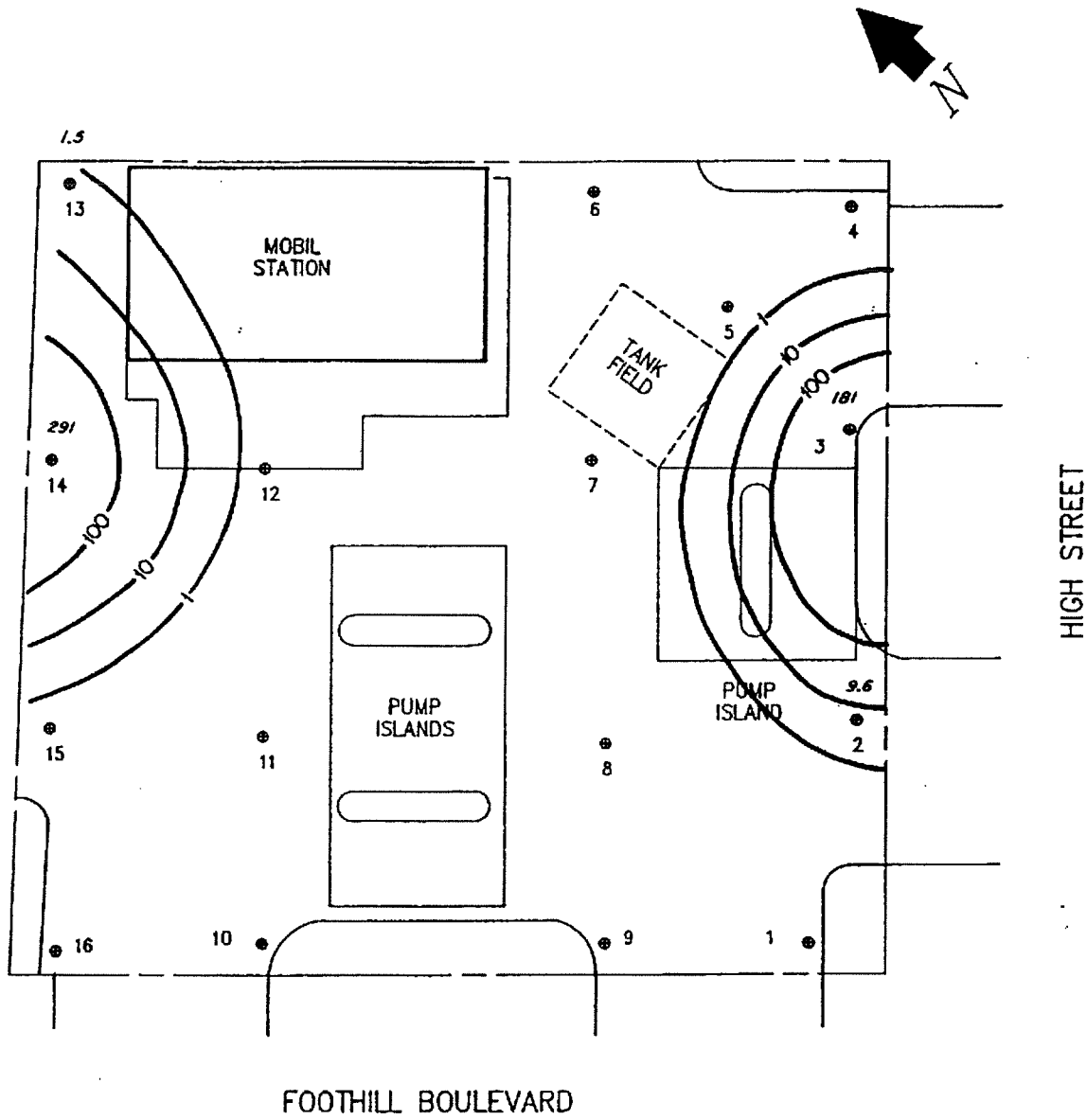
FIGURE 5. Toluene ($\mu\text{g}/\text{l}$)



TARGET ENVIRONMENTAL SERVICES, INC.

This map is integral to a written report and should be viewed in that context.

MOBIL SERVICE STATION #10-H69
4280 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA



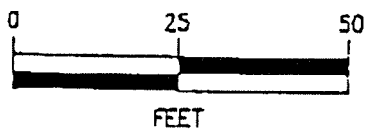
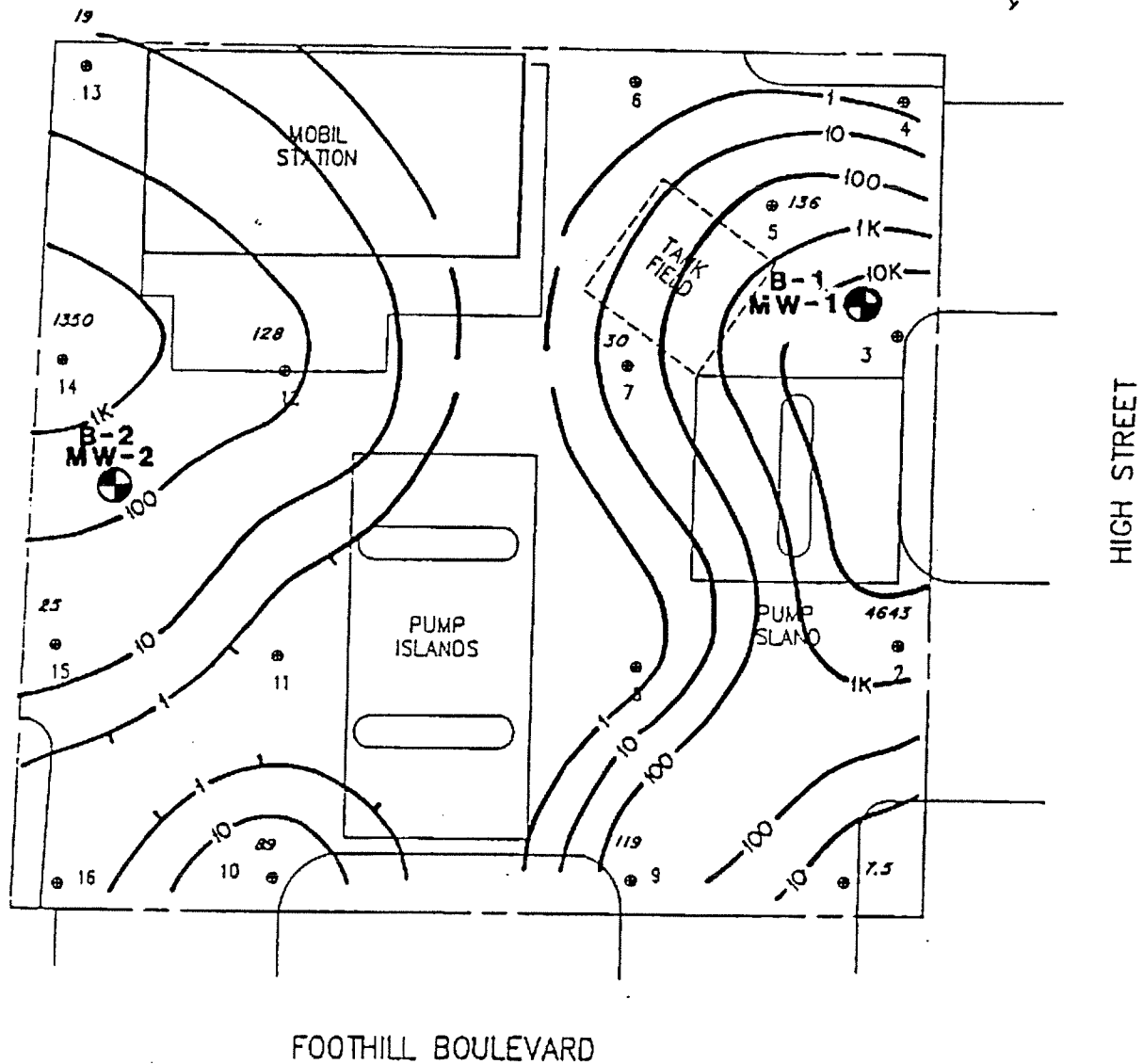
• SOIL GAS SAMPLE LOCATION

FIGURE 6. m- and p- Xylene
(µg/l)



This map is integral to a written report
and should be viewed in that context.

MOBIL SERVICE STATION #10-H69
4280 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA



- SOIL GAS SAMPLE LOCATION
- ⊕ APPROXIMATE BORING & WELL LOCATION
- 10— TOTAL VOLATILE CONCENTRATIONS FROM SOIL GAS SURVEY (ug/l)

BASED ON FIGURE PROVIDED BY
TARGET ENVIRONMENTAL SERVICES, INC.

This map is integral to a written report
and should be viewed in that context.

MOBIL SERVICE STATION #10-H69
4280 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

SITE & EXPLORATION PLAN
APR 1989 W-6095

FIGURE 1



GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Western Region
4080-C Pike Ln., Concord, CA 94520
(415) 685-7852
In CA: (800) 544-3422
Outside CA: (800) 423-7143

04/25/89 KF

PAGE 1 OF 1

WORK ORD#: C904459

CLIENT: STEVE EVANS/SHAUN DONNAN
RITTENHOUSE-ZEMAN & ASSOC.
1400 140TH AVENUE NE
BELLEVUE, WA 98005

PROJECT#: SEA-0101-5
LOCATION: OAKLAND, CA

SAMPLED: 04/19/89 BY: S. EVANS
RECEIVED: 04/21/89
ANALYZED: 04/24/89 BY: K. PATTON

MATRIX: SOIL W-6095
UNITS: mg/Kg (ppm)

PARAMETER	MDL	SAMPLE # I.D.	01 S-1A	02 S-2A
Benzene	0.5		<0.5	<0.5
Toluene	0.5		<0.5	<0.5
Ethylbenzene	0.5		<0.5	<0.5
Xylenes	0.5		<0.5	<0.5
Total BTEX	0.5		<0.5	<0.5

MDL = Method Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.

METHOD: Modified EPA 5030/8020

TABLE 1.

EMMA P. POPEK, Laboratory Director



GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Western Region

4080-C Pike Ln., Concord, CA 94520

(415) 685-7852

In CA: (800) 544-3422

Outside CA: (800) 423-7143

04/26/89MT

Page 1 of 1

WORK ORD#: C904461

CLIENT: STEVE EVANS/SHAUN DONNAN
RITTENHOUSE-ZEMAN & ASSOC.
1400 140TH AVENUE NE
BELLEVUE, WA 98005

PROJECT#: SEA-0101-7

LOCATION: OAKLAND, CA

SAMPLED: 04/19/89

BY: S. EVANS

RECEIVED: 04/20/89

ANALYZED: 04/24/89

BY: T. ALUSI
J. FLORO

MATRIX: Soil

UNITS: mg/Kg (ppm)

JOB# 6095

PARAMETER	MDL	SAMPLE #	01	02
	I.I.D.		S-1B	S-2B

Total Petroleum Hydrocarbons	5	15	5
------------------------------	---	----	---

MDL = Method Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.

METHOD: APHA Standard Methods 5030/E

Table 2

Emma P. Popek
EMMA P. POPEK, Laboratory Director



GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Western Region
4080-C Pike Ln., Concord, CA 94520
(415) 685-7852
In CA: (800) 544-3422
Outside CA: (800) 423-7143

04/25/89 Jp

PAGE 1 OF 1

WORK ORD#: C904460

CLIENT: STEVE EVANS/SHAUN DONNAN
RITTENHOU-SZEMAN & ASSOCIATES, INC.
1400 140TH AVENUE
BELLEVUE, WASHINGTON 98005

PROJECT#: SEA-0101-6
LOCATION: OAKLAND, CA

SAMPLED: 04/19/89 BY: STEVE EVANS
RECEIVED: 04/20/89
ANALYZED: 04/23/89 BY: C. MANUEL

MATRIX: WATER W-6095
UNITS: ug/L (ppb)

PARAMETER	MDL	SAMPLE #	Q1
	I.I.D.	S-3A	
Benzene	0.5		860
Toluene	0.5		160
Ethylbenzene	0.5		570
Xylenes	0.5		1200
Total BTEX	0.5		2800

MDL = Method Detection Limit; compound below this level would not be detected.
Results rounded to two significant figures.

METHOD: Modified EPA 5030/8020

TABLE 3

EMMA P. POPEK, Director

TABLE 2

Summary of Analytical Results of Soil Samples
 BP Oil Company Service Station No. 11109
 4280 Foothill Boulevard, Oakland, California

Project No.: 30-0248

Concentrations in parts per million (ppm)

SAMPLE ID	DATE OF SAMPLING	SAMPLE DEPTH (feet)	TPH-G	B	T	E	X	TOTAL ORGANIC PB	LAB
MW-3	01/29/90	5	ND<1	ND<.005	ND<.005	ND<.005	ND<.005	---	SAL
MW-3	01/29/90	10	ND<1	ND<.005	ND<.005	ND<.005	ND<.005	---	SAL
MW-3	01/29/90	15	ND<1	ND<.005	ND<.005	ND<.005	ND<.005	---	SAL
MW-3	01/29/90	20	ND<1	ND<.005	ND<.005	ND<.005	ND<.005	---	SAL
MW-3	01/29/90	25	ND<1	ND<.005	ND<.005	ND<.005	ND<.005	---	SAL
MW-3	01/29/90	29	ND<1	ND<.005	ND<.005	ND<.005	ND<.005	---	SAL
MW-4	01/30/90	5	ND<1	ND<.005	ND<.005	ND<.005	ND<.005	---	SAL
MW-4	01/30/90	10	ND<1	ND<.005	ND<.005	ND<.005	ND<.005	---	SAL
MW-4	01/30/90	15	ND<1	ND<.005	ND<.005	ND<.005	ND<.005	---	SAL
MW-4	01/30/90	20	ND<1	ND<.005	ND<.005	ND<.005	ND<.005	---	SAL
MW-4	01/30/90	25	16	ND<.050	ND<.050	ND<.050	.170	---	SAL
MW-4	01/30/90	29	ND<1	ND<.005	ND<.005	ND<.005	ND<.005	---	SAL
MW-5	09/09/91	6	ND<1	.003	ND<.003	ND<.003	.003	ND<2	SAL
MW-5	09/09/91	11	4400	8.5	58	55	260	ND<2	SAL
MW-5	09/09/91	15.5	240	1	1.4	2.5	9.5	ND<2	SAL
MW-5	09/09/91	21	6100	14	47	34	120	---	SAL
MW-5	09/09/91	26	89	.23	.390	.5	1	---	SAL
MW-6	09/09/91	16	ND<1	ND<.003	ND<.003	ND<.003	ND<.003	---	SAL
MW-6	09/09/91	21	ND<1	ND<.003	ND<.003	ND<.003	ND<.003	---	SAL
MW-6	09/09/91	25.5	270	ND<.030	.780	.340	.510	---	SAL
MW-7	09/10/91	6	310	ND<.150	.860	.690	1.6	ND<2	SAL
MW-7	09/10/91	9.5	11	ND<.003	.035	.013	.028	ND<2	SAL
MW-7	09/10/91	13	38	.120	.110	.089	.120	ND<2	SAL
MW-7	09/10/91	18.5	17	.053	.035	.160	.098	ND<2	SAL
MW-7	09/10/91	24	ND<1	.003	ND<.003	.003	ND<.003	ND<2	SAL

Source: Alton, March 24, 1992a

Table C-3
 Page 1 of 2

TABLE 2

Summary of Analytical Results of Soil Samples
 BP Oil Company Service Station No. 11109
 4280 Foothill Boulevard, Oakland, California

Project No.: 30-0248

Concentrations in parts per million (ppm)

SAMPLE ID	DATE OF SAMPLING	SAMPLE DEPTH (feet)	TPH-G	B	T	E	X	TOTAL ORGANIC PB	LAB
MW-8	09/11/91	16	ND<1	ND<.003	ND<.003	ND<.003	ND<.003	---	SAL
MW-9	09/11/91	10.5	ND<1	ND<.003	ND<.003	ND<.003	ND<.003	---	SAL
MW-9	09/11/91	16	ND<1	ND<.003	ND<.003	ND<.003	ND<.003	---	SAL
MW-9	09/11/91	21	ND<1	ND<.003	ND<.003	ND<.003	ND<.003	---	SAL

EXPLANATION OF ABBREVIATIONS:

TPH-G :Total Petroleum Hydrocarbons as Gasoline
 B :Benzene
 T :Toluene
 E :Ethylbenzene
 X :Xylenes
 ND :Not detected above given detection limits
 SAL :Superior Analytical Lab

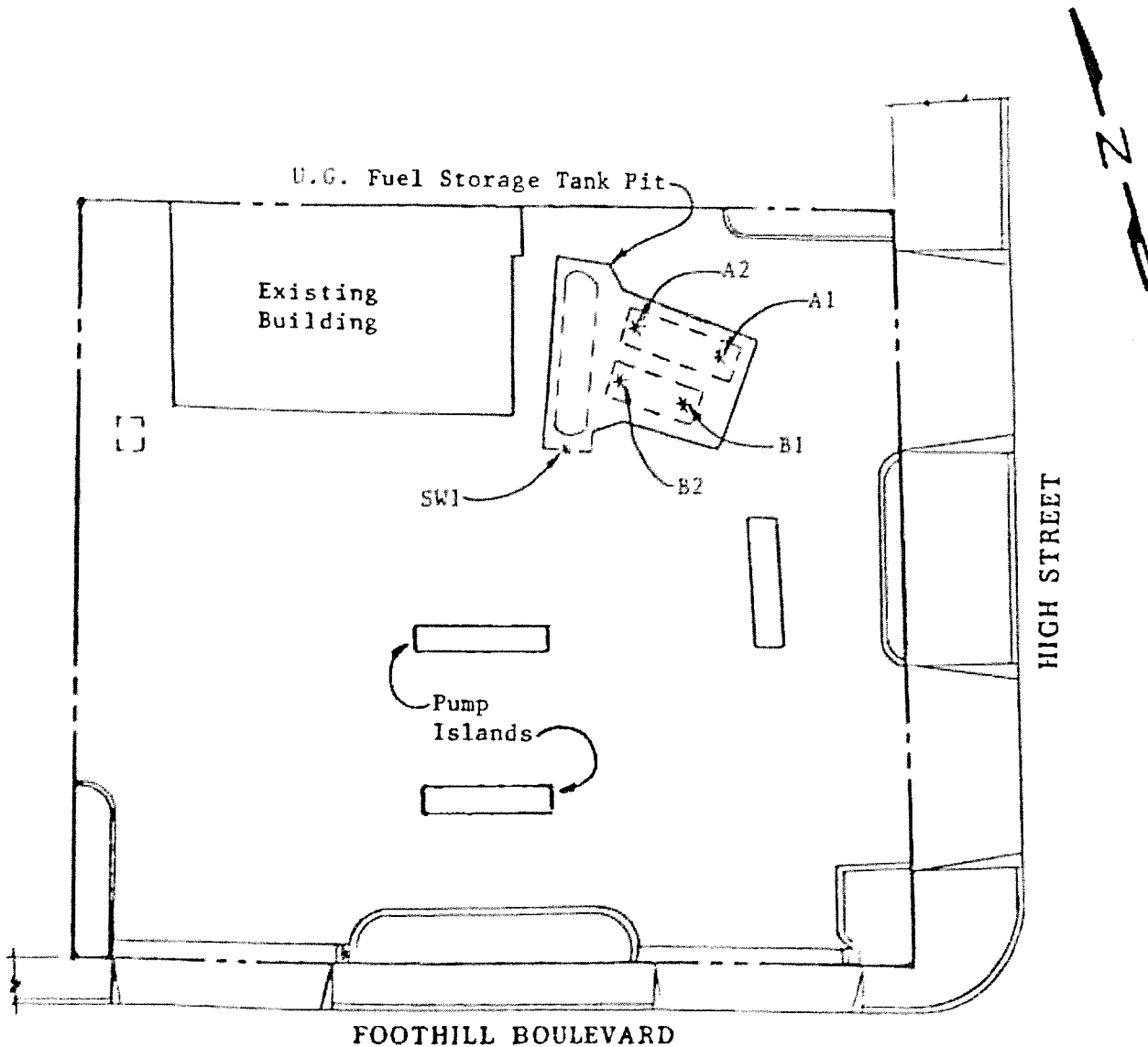


KAPREALIAN ENGINEERING, INC.

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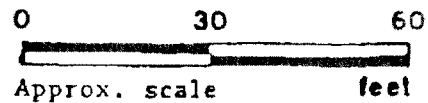


SITE PLAN

Figure 1

LEGEND

* Sample Point Location



BP Service Station
4280 Foothill Boulevard
Oakland, CA

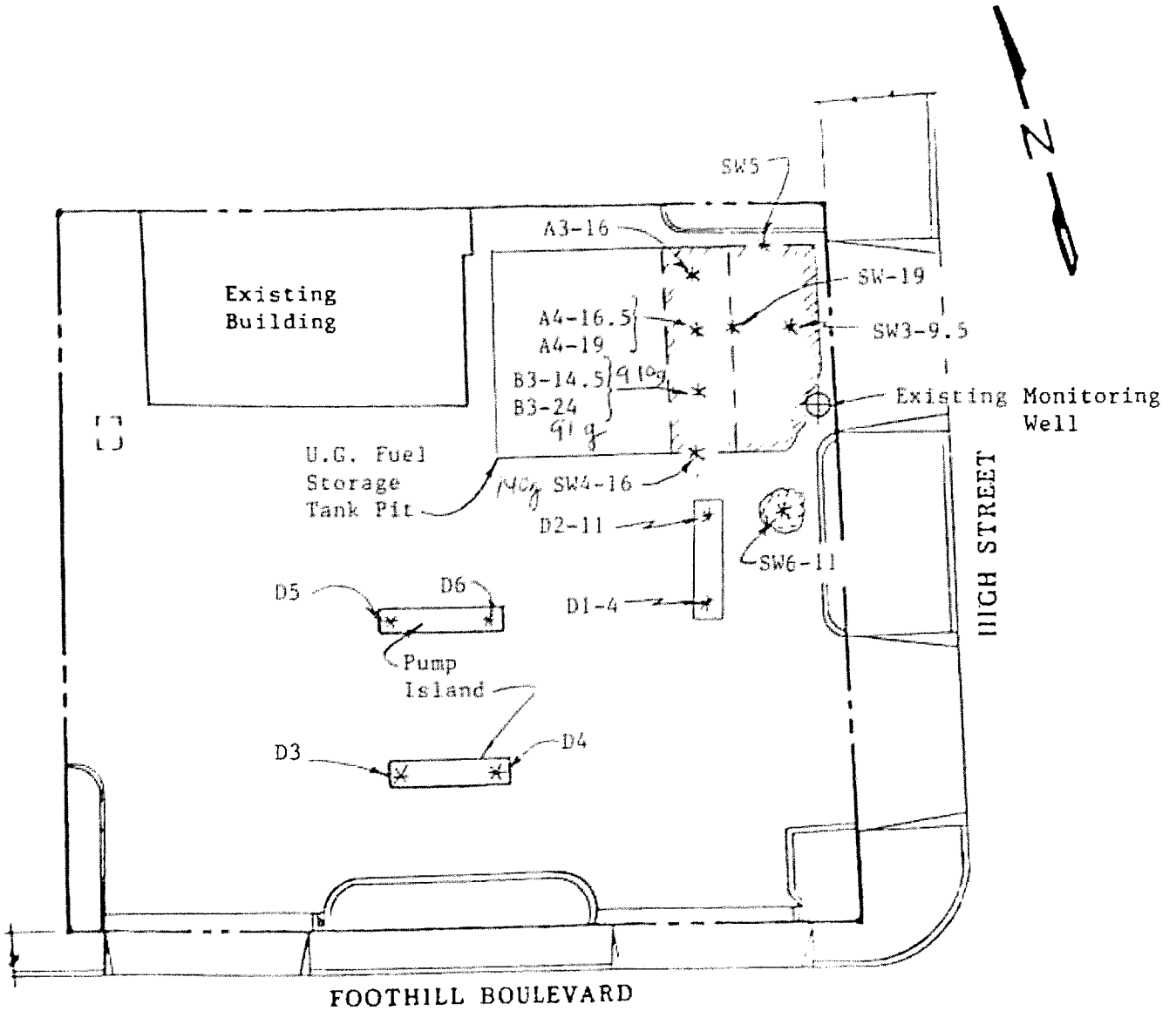


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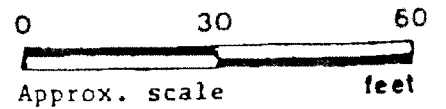


SITE PLAN

Figure 2

LEGEND

- * Sample Point Location
- ▨ Additional Excavation



BP Service Station
4280 Foothill Boulevard
Oakland, CA

KEI-J90-0911.R1
November 1, 1990

TABLE 1

SUMMARY OF LABORATORY ANALYSES
SOIL SAMPLES COLLECTED FROM THE FUEL TANK PIT
AND PRODUCT DISPENSER AREA

(Collected between September 14 to 28,
and on October 16, 1990)

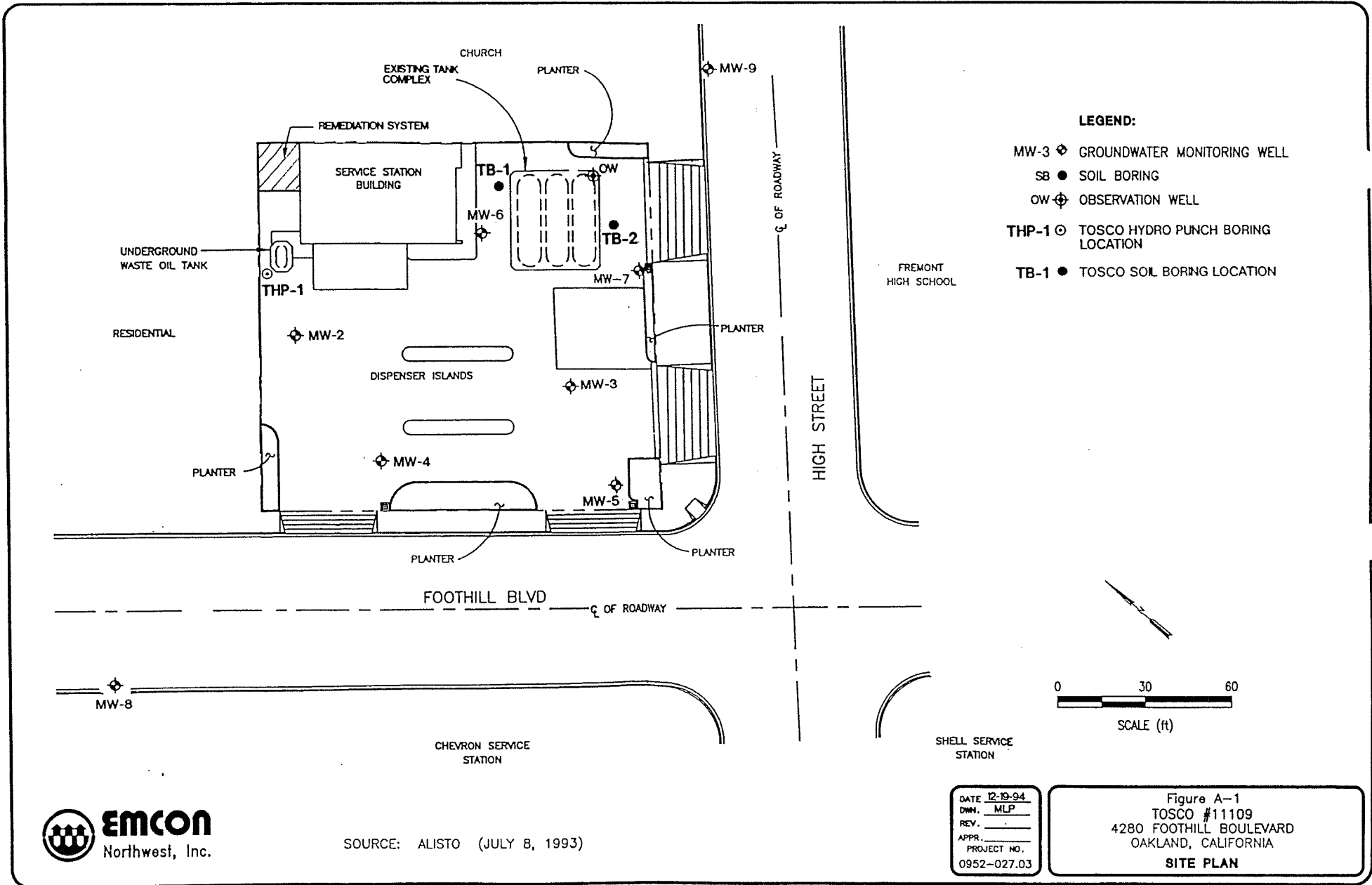
<u>Sample</u>	<u>Depth (feet)</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Ethylbenzene</u>
A1	14.5	ND	0.10	0.006	ND	0.006
A2	14.5	ND	ND	0.0080	ND	ND
B1*	14.5	ND	0.034	0.014	ND	ND
B2*	14.5	ND	0.0060	ND	ND	ND
SW1	12	ND	0.018	ND	ND	ND
SW2-19	19	ND	0.12	ND	0.071	0.10
SW3-9.5	9.5	ND	0.051	ND	ND	0.0050
SW4-16	16	140	0.89	0.79	0.44	4.4
SW5	17	4.2	0.040	0.029	0.058	0.069
SW6-11	11	16	0.033	0.16	0.38	0.097
A3-16	16	4.3	0.044	0.010	0.22	0.20
A4-16.5	16.5	5.3	0.058	0.026	ND	0.19
A4-19	19	ND	0.010	ND	0.037	0.050
B3-14.5	14.5	910	6.0	13	82	19
B3-24	24	91	1.7	0.46	ND	0.17
D1-4	4	ND	ND	ND	ND	ND
D2-11	11	31	0.38	1.2	2.8	0.60
D3**	4	ND	ND	0.011	ND	ND
D4**	6	1.9	0.054	0.094	0.20	0.046
D5**	4	6.8	0.0010	0.028	0.018	0.045
D6**	5.5	15	0.51	0.038	1.7	0.62

* Total lead for B1 and B2 were detected at 10 ppm and 12 ppm, respectively.

** Total lead for D3, D4, D5 and D6 were detected at 2.5 ppm, 4.5 ppm, 4.0 ppm and 2.0 ppm, respectively.

ND = Non-detectable.

Results in parts per million (ppm), unless otherwise indicated.



SOURCE: ALISTO (JULY 8, 1993)

SHELL SERVICE STATION

Table A-1

Site Number 11109
4280 Foothill Boulevard, Oakland, California

Soil Sample Results of Analyses (ppm)

Sample Number	Depth (feet)	Date Collected	California DHS LUFT Method TPH-G	California DHS LUFT Method Hydrocarbon Scan			BTEX EPA Method 5030/8020			
			TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Total Xylenes	
THP1-S-9.5-10**	9.5-10	10/19/94	nd	nd	nd	nd	nd	nd	nd	
THP1-S-17-17.5	17-17.5	10/19/94	nd	nd	nd	nd	nd	nd	nd	
TB1-S-17-17.5***	17-17.5	10/19/94	nd	nd	nd	nd	nd	nd	nd	
TB1-S-24.5-25	24.5-25	10/19/94	nd	nd	33	nd	nd	nd	nd	
TB2-S-16-16.5	16-16.5	10/19/94	51	nd	8	0.09	nd*	0.4	0.8	
TB2-S-27-27.5	27-27.5	10/19/94	nd	nd	nd	nd	nd	nd	nd	

NOTE: TPH-G = Total petroleum hydrocarbons as gasoline.
 TPH-D = Total petroleum hydrocarbons as diesel.
 TPH-O = Total petroleum hydrocarbons as oil.
 nd = Not detected at or above method reporting limit.
 n/a = Not applicable.
 — = Not analyzed.

TW = Tosco well.
 TB = Tosco boring.
 TD = Tosco dispenser soil sample.
 THP = Tosco HydroPunch.
 SGP = Soil gas probe.
 * = Raised method reporting limits (see laboratory report in Attachment D).
 ** = THP1 is referred to as HP1 on the lab report.
 *** = TB1 and TB2 are referred to as SB1 and SB2 on the lab report.

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)	
					REMOVED (gallons)	TPH-G (µg/L)							
C-1													
04/28/89	35.42	15.37	20.05	--	--		940	30	1.3	11	13	--	--
08/08/89	35.42	11.35	24.07	--	--		820	45	2.0	13	13	--	--
12/21/89	35.42	12.61	22.81	--	--		--	--	--	--	--	--	--
08/27/90	35.42	13.30	22.12	--	--		440	15	1.0	6.0	13	--	--
11/04/90	35.42	9.86	25.56	--	--		--	--	--	--	--	--	--
06/18/91	35.42	13.78	21.64	--	--		74	5.6	0.6	1.9	1.3	--	--
09/19/91	35.42	10.84	24.58	--	--		150	7.1	<0.5	2.3	3.0	--	--
12/20/91	35.42	9.25	26.17	--	--		250	10	<0.5	3.7	1.6	--	--
03/18/92	35.42	17.17	18.25	--	--		190	16	<0.5	8.5	3	--	--
07/14/92	35.42	7.81	27.61	--	--		20,000	480	2,200	510	2,900	--	--
10/08/92	35.42	10.98	24.44	--	--		360	34	4.6	19	12	--	--
01/08/93	35.42	15.74	19.68	--	--		120	9.1	0.5	5.1	1.8	--	--
04/14/93	35.42	19.04	16.38	--	--		190	74	0.6	1.0	2.0	--	--
07/16/93	35.42	--	--	--	--		--	--	--	--	--	--	--
07/27/93	35.42	26.03	9.39	--	--		300	12	<0.5	5.0	2.0	--	--
09/21/93	38.41	16.99	21.42	--	--		360	12	1.2	5.8	3.7	--	--
01/28/94	38.41	18.84	19.57	--	--		370	24	1.0	13	4.0	--	--
03/17/94	38.41	21.56	16.85	--	--		460	42	<0.5	6.7	3.7	--	--
06/16/94	38.41	20.58	17.83	--	--		320	20	0.7	8.7	3.0	--	--
09/22/94	38.41	18.15	20.26	--	--		380	24	0.6	8.8	1.9	--	--
12/15/94	38.41	22.59	15.82	--	--		280	23	7.6	7.8	13	--	--
03/30/95	38.41	26.39	12.02	--	--		2,200	890	8.9	15	<5.0	--	--
06/20/95	38.41	24.01	14.40	--	--		690	140	<2.0	9.4	2.8	--	--
09/20/95	38.41	24.59	13.82	--	--		730	27	78	26	130	--	--
12/06/95	38.41	17.81	20.60	--	--		220	16	<0.5	7.2	1.7	11	--
03/21/96	38.41	26.76	11.65	--	--		640	170	<2.0	6.7	<2.0	35	--
06/21/96	38.41	24.16	14.25	--	--		640	140	<1.2	8.7	2.0	23	--
09/06/96	38.41	21.66	16.75	--	--		460	24	0.56	10	2.4	43	--
12/19/96	38.41	24.43	13.98	--	--		790	120	22	13	19	<25	--
03/17/97	38.41	25.63	12.78	--	--		2,200	660	<10	15	<10	110	--
06/11/97	38.41	23.25	15.16	--	--		1,500	130	<2.0	16	3.4	130	--
09/17/97	38.41	21.47	16.94	--	--		910	160	23	13	49	180	--
12/11/97	38.41	25.23	13.18	--	--		2,000	270	7.0	53	7.4	460	--
03/12/98	38.41	28.92	9.49	--	--		3,100	1,300	<20	42	<20	760	--
06/23/98	38.41	28.19	10.22	--	--		1,300	650	6.9	22	6.5	290	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)	
					REMOVED (gallons)	TPH-G (µg/L)							
C-1 (cont)													
09/01/98	38.41	21.43	16.98	--	--	--	270	6.0	<2.5	<2.5	<2.5	950	--
12/30/98	38.41	22.29	16.12	--	--	--	2,020	578	<5.0	<5.0	<5.0	1,720	--
03/31/99	38.41	24.53	13.88	--	--	--	2,140	776	5.89	<5.0	5.15	1,170	--
06/14/99	38.41	23.09	15.32	--	--	--	1,450	524	<5.0	<5.0	<5.0	1,150	--
06/14/99 ¹	38.41	23.09	15.32	--	--	--	--	--	--	--	--	1,360 ²	--
09/30/99	38.41	22.30	16.11	--	--	--	79	1.12	<0.5	1.07	<0.5	677	--
12/22/99	38.41	23.37	15.04	--	--	--	501	157	4.45	<2.5	4.81	744	--
03/09/00	38.41	31.28	7.13	--	--	--	3,300	2,500	28	37	<25	1,700	--
06/23/00 ³	38.41	25.86	12.55	0.00	0.00	--	2,200 ⁴	1,000	6.9	5.7	9.3	1,900	--
09/05/00 ³	38.41	21.28	17.13	0.00	0.00	--	<200	8.3	<2.0	<2.0	<2.0	1,000	--
12/04/00	38.41	21.48	16.93	0.00	0.00	--	1,400 ⁴	600	<5.0	<5.0	<5.0	1,500	--
03/08/01 ³	38.41	30.45	7.96	0.00	0.00	--	2,570	1,040	7.93	12.0	<5.00	1,470	--
06/07/01 ³	38.41	25.45	12.96	0.00	0.00	--	750 ⁴	220	5.6	4.8	2.6	2,500 ⁵	--
09/13/01 ³	38.41	19.91	18.50	0.00	0.00	--	670 ⁶	<5.0	<5.0	<5.0	<5.0	660	--
12/13/01 ³	38.41	23.02	15.39	0.00	0.00	--	1,100	340	2.1	0.95	7.9	630	--
03/08/02 ³	38.41	28.35	10.06	0.00	0.00	--	3,600	1,400	9.5	17	6.5	1,900	--
06/19/02 ³	38.41	24.92	13.49	0.00	0.00	--	1,300	220	3.4	2.7	<3.0	1,400	--
09/11/02 ³	38.41	21.18	17.23	0.00	0.00	--	400	22	<0.50	<0.50	<1.5	780	--
12/11/02 ³	38.41	19.81	18.60	0.00	0.00	--	180	4.2	<0.50	1.1	<1.5	350	--
03/11/03 ³	38.41	25.81	12.60	0.00	0.00	--	3,500	1,100	9.1	12	8.0	1,600	--
06/10/03 ^{3,7}	38.41	25.73	12.68	0.00	0.00	--	1,600	350	2	3	3	1,300	--
09/09/03 ^{3,7}	38.41	21.66	16.75	0.00	0.00	--	290	4	<1	1	1	710	<100
12/09/03 ^{7,9}	38.41	20.73	17.68	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	200	<50
03/09/04 ⁷	38.41	30.61	7.80	0.00	0.00	--	7,100	2,000	15	23	10	1,100	<50
06/08/04 ⁷	38.41	27.29	11.12	0.00	0.00	--	2,300	840	6	5	4	1,100	<50
09/08/04 ⁷	38.41	24.11	14.30	0.00	0.00	--	150	110	2	0.5	1	730	<50
12/06/04 ⁷	38.41	25.15	13.26	0.00	0.00	--	2,100	480	4	2	2	530	<50
03/07/05 ⁷	38.41	31.93	6.48	0.00	0.00	--	4,100	1,200	9	10	5	1,100	<100
06/06/05 ⁷	38.41	29.56	8.85	0.00	0.00	--	3,400	990	8	9	5	1,100	<100
09/06/05 ⁷	38.41	26.99	11.42	0.00	0.00	--	1,100	83	2	0.9	1	810	<50
12/05/05 ⁷	38.41	27.43	10.98	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	78	<50
03/06/06 ⁷	38.41	30.64	7.77	0.00	0.00	--	3,700	880	10	8	7	1,300	<50
06/05/06 ⁷	38.41	29.51	8.90	0.00	0.00	--	380	7	<0.5	<0.5	<0.5	960	<50
09/05/06 ⁷	38.41	27.32	11.09	0.00	0.00	--	260	<0.5	<0.5	<0.5	<0.5	390	<50

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)	
					REMOVED (gallons)	TPH-G (µg/L)							
C-1 (cont)													
12/04/06 ⁷	38.41	27.49	10.92	0.00	0.00	0.00	270	20	<0.5	<0.5	<0.5	250	<50
03/05/07 ⁷	38.41	28.63	9.78	0.00	0.00	0.00	2,000	370	5	2	2	820	<50
06/04/07 ⁷	38.41	29.01	9.40	0.00	0.00	0.00	180	<0.5	<0.5	<0.5	<0.5	320	<50
09/07/07 ⁷	38.41	27.86	10.55	0.00	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	72	<50
12/06/07 ⁷	38.41	26.26	12.15	0.00	0.00	0.00	170	<0.5	<0.5	<0.5	<0.5	58	<50
03/06/08 ⁷	38.41	30.13	8.28	0.00	0.00	0.00	3,400	790	8	4	4	610	<50
06/05/08 ⁷	38.41	28.30	10.11	0.00	0.00	0.00	210	<0.5	<0.5	<0.5	<0.5	290	<50
09/03/08⁷	38.41	25.51	12.90	0.00	0.00	0.00	130	<0.5	<0.5	<0.5	<0.5	110	<50
C-2													
04/28/89	35.18	8.74	26.44	--	--	--	120,000	30,000	22,000	3,000	17,000	--	--
08/08/89	35.18	5.29	29.90	0.01	--	--	--	--	--	--	--	--	--
12/21/89	35.18	5.86	29.32	--	--	--	--	--	--	--	--	--	--
08/27/90	35.18	5.77	29.55	0.17	--	--	--	--	--	--	--	--	--
11/04/90	35.18	4.71	30.47	--	--	--	--	--	--	--	--	--	--
06/18/91	35.18	6.90	28.33	0.06	--	--	--	--	--	--	--	--	--
09/19/91	35.18	5.84	29.39	0.06	--	--	--	--	--	--	--	--	--
12/20/91	35.18	5.95	29.23	--	--	--	170,000	20,000	10,000	2,800	19,000	--	--
03/18/92	35.18	21.58	13.60	0.09	--	--	--	--	--	--	--	--	--
07/14/92	35.18	--	--	--	--	--	--	--	--	--	--	--	--
10/08/92	35.18	--	--	--	--	--	--	--	--	--	--	--	--
01/08/93	35.18	10.98	24.20	Sheen	--	--	79,000	14,000	7,200	3,500	16,000	--	--
04/14/93	35.18	--	--	--	--	--	--	--	--	--	--	--	--
07/16/93	35.18	5.03	30.15	--	--	--	2200	440	73	24	350	--	--
09/21/93	37.47	11.18	26.29	--	--	--	11,000	2,300	300	270	910	--	--
01/28/94	37.47	13.51	23.96	--	--	--	49,000	11,000	3,900	1,600	12,000	--	--
03/17/94	37.47	11.48	25.99	--	--	--	16,000	3,300	1,000	220	3,500	--	--
06/16/94	37.47	13.55	23.92	--	--	--	20,000	4,800	1,500	520	4,300	--	--
09/22/94	37.47	11.85	25.62	--	--	--	35,000	5,600	850	1,700	7,300	--	--
12/15/94	37.47	16.31	21.16	--	--	--	96,000	9,000	3,500	3,300	13,000	--	--
03/30/95	37.47	20.29	17.18	--	--	--	100,000	9,400	3,700	3,900	14,000	--	--
06/20/95	37.47	18.52	18.95	--	--	--	93,000	6,400	1,900	2,900	11,000	--	--
09/20/95	37.47	19.27	18.20	--	--	--	58,000	6,600	330	1,600	5,500	--	--
12/06/95	37.47	12.71	24.76	--	--	--	40,000	5,000	86	1,800	3,700	<500	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
					REMOVED (gallons)	TPH-G (µg/L)						
C-2 (cont)												
03/21/96	37.47	21.30	16.17	0.00	0.13	--	--	--	--	--	--	--
06/21/96	37.47	19.34	18.15	0.02	0.03	--	--	--	--	--	--	--
09/06/96	37.47	16.36	21.14	0.04	0.08	--	--	--	--	--	--	--
12/19/96	37.47	19.94	17.55	0.03	0.05	--	--	--	--	--	--	--
03/17/97	37.47	18.88	18.59	--	--	58,000	4,800	1,200	1,800	6,300	3,400	--
06/11/97	37.47	16.17	21.30	--	--	40,000	5,500	720	1,400	4,100	3,100	--
09/17/97	37.47	14.33	23.14	--	--	30,000	4,800	220	1,200	1,800	3,200	--
12/11/97	37.47	20.26	17.21	--	--	76,000	6,100	1,300	2,200	8,000	3,800	--
03/12/98	37.47	23.30	14.17	--	--	45,000	6,000	1,400	1,800	5,900	2,700	--
06/23/98 ³	37.47	22.65	14.82	--	--	1,100,000	6,800	5,100	13,000	38,000	<1,000	--
09/01/98	37.47	15.69	21.78	--	--	9,700	300	8.2	6.2	250	3,700	--
12/30/98	37.47	15.61	21.86	--	--	110,000	4,790	1,300	841	5,570	2,420	--
03/31/99	37.47	20.57	16.90	--	--	48,000	4,800	1,110	1,520	5,450	2,160	--
06/14/99	37.47	17.32	20.15	Sheen	--	56,400	5,380	671	1,300	3,960	2,480	--
06/14/99 ¹	37.47	17.32	20.15	--	--	--	--	--	--	--	2,630 ²	--
09/30/99	37.47	14.50	22.97	--	--	22,100	623	<100	529	1,250	2,430	--
12/22/99	37.47	16.47	21.00	--	--	10,200	1,750	102	222	963	1,980	--
03/09/00	37.47	25.27	12.20	--	--	26,000	4,800	930	1,200	4,400	1,800	--
06/23/00 ³	37.47	18.53	18.94	0.00	0.00	29,000 ⁴	3,400	360	440	2,500	2,800	--
09/05/00 ³	37.47	17.01	20.46	0.00	0.00	35,000 ⁴	3,800	54	980	750	5,200	--
12/04/00	37.47	16.54	20.93	0.00	0.00	16,000 ⁴	2,500	120	360	1,100	2,100	--
03/08/01 ³	37.47	20.53	16.94	0.00	0.00	42,300	3,930	828	2,010	5,180	1,660	--
06/07/01 ³	37.47	18.13	19.34	0.00	0.00	15,000 ⁴	3,400	150	700	1,300	1,900	--
09/13/01 ³	37.47	15.28	22.19	0.00	0.00	9,600	1,200	<50	120	160	2,200	--
12/13/01 ³	37.47	19.87	17.60	0.00	0.00	33,000	3,200	430	1,300	3,700	1,400	--
03/08/02 ³	37.47	23.18	14.29	0.00	0.00	26,000	2,900	390	1,200	2,800	1,100	--
06/19/02 ³	37.47	18.36	19.11	0.00	0.00	19,000	3,000	100	720	1,100	1,400	--
09/11/02 ³	37.47	16.79	20.68	0.00	0.00	10,000	1,400	23	120	78	1,800	--
12/11/02 ³	37.47	15.36	22.11	0.00	0.00	8,700	1,300	24	100	250	1,900	--
03/11/03 ³	37.47	22.86	14.61	0.00	0.00	23,000	2,000	280	1,100	2,100	990	--
06/10/03 ^{3,7}	37.47	20.36	17.11	0.00	0.00	14,000	1,300	91	450	720	480	--
09/09/03 ^{3,7}	37.47	16.33	21.14	0.00	0.00	6,800	1,100	9	83	47	1,300	<200
12/09/03 ⁷	37.47	18.27	19.20	0.00	0.00	22,000	1,100	120	570	1,000	460	<250
03/09/04 ⁷	37.47	25.65	11.82	0.00	0.00	24,000	1,800	420	820	2,100	480	<250

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Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
C-2 (cont)												
06/08/04 ⁷	37.47	21.05	16.42	0.00	0.00	1,200	180	5	1	10	170	<50
09/08/04 ⁷	37.47	24.32**	13.16	0.01	0.00	16,000	340	13	290	200	170	<250
12/06/04 ⁷	37.47	23.36**	14.12	0.01	0.00	13,000	730	130	340	570	280	<100
03/07/05 ⁷	37.47	26.91**	10.57	0.01	0.00	18,000	2,200	470	770	2,000	420	<250
06/06/05 ⁷	37.47	24.78	12.69	0.00	0.00	9,800	940	79	300	490	200	<100
09/06/05 ⁷	37.47	22.69	14.78	0.00	0.00	9,300	380	8	89	76	170	<100
12/05/05 ⁷	37.47	23.25	14.22	0.00	0.00	8,300	190	8	68	67	56	<50
03/06/06 ⁷	37.47	27.73	9.74	0.00	0.00	1,900	41	5	13	43	6	<50
06/05/06 ⁷	37.47	27.72	9.75	0.00	0.00	8,800	680	99	200	460	170	<50
09/05/06 ⁷	37.47	25.51	11.96	0.00	0.00	8,200	1,200	24	170	65	65	<100
12/04/06 ⁷	37.47	25.04	12.43	0.00	0.00	9,500	1,800	38	140	94	94	<100
03/05/07 ⁷	37.47	26.86	10.61	0.00	0.00	15,000 ¹¹	1,900 ¹¹	300 ¹¹	570 ¹¹	1,300 ¹¹	250 ¹¹	<250 ¹¹
06/04/07 ⁷	37.47	27.13	10.34	0.00	0.00	6,200	410	16	76	100	110	<50
09/07/07 ⁷	37.47	25.82	11.65	0.00	0.00	6,400	240	6	71	82	67	<50
12/06/07 ⁷	37.47	19.07	18.40	0.00	0.00	7,300	200	12	47	79	56	<50
03/06/08 ⁷	37.47	28.00	9.47	0.00	0.00	18,000	2,400	340	850	1,600	260	<100
06/05/08 ⁷	37.47	26.40	11.07	0.00	0.00	5,800	530	18	47	80	100	<250
09/03/08⁷	37.47	24.27	13.20	0.00	0.00	5,600	340	10	81	48	83	<50
C-3												
04/28/89	35.28	7.28	28.00	--	--	<500	1.7	<0.5	<0.5	<0.5	--	--
08/08/89	35.28	5.28	30.00	--	--	<500	1.0	<0.5	<0.5	<0.5	--	--
12/21/89	35.28	4.75	30.53	--	--	--	--	--	--	--	--	--
08/27/90	35.28	5.60	29.68	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/04/90	35.30	4.94	30.36	--	--	--	--	--	--	--	--	--
06/18/91	35.30	6.84	28.46	--	--	52	1.1	<0.5	<0.5	1.2	--	--
09/19/91	35.30	5.97	29.33	--	--	73	1.2	<0.5	<0.5	<0.5	--	--
12/20/91	35.30	5.53	29.77	--	--	<50	0.7	<0.5	<0.5	<0.5	--	--
03/18/92	35.30	9.55	25.75	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/92	35.30	7.43	27.87	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/08/92	35.30	6.75	28.55	--	--	<50	<0.5	<0.5	<0.5	0.5	--	--
01/08/93	35.30	9.45	25.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/14/93	35.30	11.34	23.96	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/16/93	35.30	9.66	25.64	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

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Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
					REMOVED (gallons)	TPH-G (µg/L)						
C-3 (cont)												
09/21/93	38.37	12.15	26.22	--	--	<50	0.7	<0.5	<0.5	<0.8	--	--
01/28/94	38.37	12.71	25.66	--	--	<50	2.0	<0.5	<0.5	1.0	--	--
03/17/94	38.37	13.42	24.95	--	--	<50	2.8	<0.5	0.6	1.5	--	--
06/16/94	38.37	14.06	24.31	--	--	<50	1.4	<0.5	<0.5	<0.5	--	--
09/22/94	38.37	13.33	25.04	--	--	<50	0.6	<0.5	<0.5	<0.5	--	--
12/15/94	38.37	16.15	22.22	--	--	<50	2.6	1.7	0.82	4.5	--	--
03/30/95	38.37	19.95	18.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/20/95	38.37	18.58	19.79	--	--	110	2.2	<0.5	<0.5	1.2	--	--
09/20/95	38.37	19.42	18.95	--	--	560	21	80	23	120	--	--
12/06/95	38.37	14.21	24.16	--	--	<50	0.73	<0.5	<0.5	0.67	<2.5	--
03/21/96	38.37	20.52	17.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/21/96	38.37	18.59	19.78	--	--	57	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/06/96	38.37	16.74	21.63	--	--	<50	0.9	<0.5	<0.5	<0.5	<2.5	--
12/19/96	38.37	16.07	22.30	--	--	310	36	33	6.5	28	<2.5	--
03/17/97	38.37	19.42	18.95	--	--	54	1.1	<0.5	<0.5	0.76	<2.5	--
06/11/97	38.37	17.22	21.15	--	--	120	1.1	<0.5	<0.5	<0.5	<2.5	--
09/17/97	38.37	15.96	22.41	--	--	240	19	19	6.6	40	13	--
12/11/97	38.37	16.11	22.26	--	--	<50	1.8	<0.5	<0.5	0.5	<2.5	--
03/12/98	38.37	20.02	18.35	--	--	72	6.3	<0.5	0.64	3.1	2.6	--
06/23/98	38.37	19.33	19.04	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/01/98	38.37	18.40	19.97	--	--	200	6.8	0.31	0.52	2.0	<2.5	--
12/30/98	38.37	17.06	21.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
03/31/99	38.37	20.60	17.77	--	--	<50	<0.5	<0.5	<0.5	<0.5	12.6	--
06/14/99	38.37	20.12	18.25	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/30/99	38.37	17.18	21.19	--	--	79.2	3.04	0.794	<0.5	1.04	6.17	--
12/22/99	38.37	16.05	22.32	--	--	<50	1.53	1.08	<0.5	0.66	12	--
03/09/00	38.37	21.27	17.10	--	--	99	6.9	0.8	0.89	3.8	12	--
06/23/00	38.37	19.22	19.15	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
09/05/00	38.37	17.53	20.84	0.00	0.00	52 ⁴	4.3	<0.50	<0.50	0.93	29	--
12/04/00	38.37	17.17	21.20	0.00	0.00	70 ⁴	4.0	<0.50	<0.50	0.71	25	--
03/08/01	38.37	20.70	17.67	0.00	0.00	<50.0	0.873	<0.500	<0.500	<0.500	3.24	--
06/07/01	38.37	19.47	18.90	0.00	0.00	140 ⁴	16	0.67	1.4	3.8	30	--
09/13/01	38.37	17.36	21.01	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
12/13/01	38.37	18.57	19.80	0.00	0.00	<50	1.2	<0.50	<0.50	<1.5	15	--
03/08/02	38.37	20.59	17.78	0.00	0.00	82	5.4	<0.50	<0.50	<1.5	68	--

Table 1
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Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
					REMOVED (gallons)	TPH-G (µg/L)						
C-3 (cont)												
06/19/02	38.37	19.97	18.40	0.00	0.00	74	2.1	<0.50	<0.50	<1.5	77	--
09/11/02	38.37	18.20	20.17	0.00	0.00	110	4.7	<0.50	<0.50	<1.5	76	--
12/11/02	38.37	16.62	21.75	0.00	0.00	79	1.5	<0.50	<0.50	<1.5	96	--
03/11/03	38.37	19.30	19.07	0.00	0.00	<50	2.1	<0.50	<0.50	<1.5	18	--
06/10/03 ⁷	38.37	19.29	19.08	0.00	0.00	86	2	<0.5	<0.5	<0.5	93	--
09/09/03 ⁷	38.37	17.67	20.70	0.00	0.00	<50	2	<0.5	<0.5	<0.5	160	<50
12/09/03 ⁷	38.37	17.32	21.05	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9	<50
03/09/04 ⁷	38.37	22.12	16.25	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/08/04 ⁷	38.37	19.87	18.50	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
09/08/04 ⁷	38.37	18.36	20.01	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	22	<50
12/06/04 ⁷	38.37	19.07	19.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
03/07/05 ⁷	38.37	20.35	18.02	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/06/05 ⁷	38.37	19.29	19.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
09/06/05 ⁷	38.37	20.22	18.15	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
12/05/05 ⁷	38.37	20.52	17.85	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
03/06/06 ⁷	38.37	20.44	17.93	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/06 ⁷	38.37	23.02	15.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	65	<50
09/05/06 ⁷	38.37	19.95	18.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
12/04/06 ⁷	38.37	20.08	18.29	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
03/05/07 ⁷	38.37	23.63	14.74	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/04/07 ⁷	38.37	22.69	15.68	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
09/07/07 ⁷	38.37	19.86	18.51	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
12/06/07 ⁷	38.37	18.96	19.41	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
03/06/08 ⁷	38.37	22.42	15.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50
06/05/08 ⁷	38.37	20.89	17.48	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.6	<50
09/03/08⁷	38.37	19.39	18.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
C-4												
01/12/89	33.45	3.96	29.49	--	--	--	--	--	--	--	--	--
04/12/89	33.45	6.01	27.44	--	--	--	--	--	--	--	--	--
04/28/89	33.45	3.96	29.49	--	--	20,000	6,300	550	230	1,500	--	--
08/08/89	33.45	3.90	29.55	--	--	8,000	7,500	340	88	1,000	--	--
12/21/89	33.45	3.43	30.02	--	--	--	--	--	--	--	--	--

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Chevron Service Station #9-0076
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Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)	
					REMOVED (gallons)	TPH-G (µg/L)							
C-4 (cont)													
08/27/90	33.48	4.46	29.02	--	--		26,000	10,000	280	410	1,400	--	--
11/04/90	33.48	3.67	29.81	--	--		--	--	--	--	--	--	--
06/18/91	33.48	6.03	27.45	--	--		34,000	14,000	410	450	1,300	--	--
09/19/91	33.48	4.83	28.65	--	--		16,000	7,400	90	110	460	--	--
12/20/91	33.48	4.64	28.84	--	--		24,000	12,000	120	260	740	--	--
03/18/92	33.48	11.05	24.43	--	--		48,000	6,000	1,300	1,300	2,400	--	--
07/14/92	33.48	6.59	26.89	--	--		40,000	14,000	920	550	2,400	--	--
10/08/92	33.48	5.69	27.79	--	--		29,000	13,000	190	110	1,400	--	--
01/08/93	33.48	9.98	23.50	--	--		25,000	7,000	630	860	1,800	--	--
04/14/93	33.48	12.35	21.13	--	--		27,000	6,300	1,000	900	1,400	--	--
07/16/93	33.48	9.52	23.96	--	--		28,000	7,800	1,100	830	2,100	--	--
09/21/93	36.49	10.98	25.51	--	--		30,000	9,600	130	390	1,300	--	--
01/28/94	36.49	13.18	23.31	--	--		18,000	7,800	440	260	1,200	--	--
03/17/94	36.49	15.14	21.35	--	--		32,000	7,800	820	820	1,800	--	--
06/16/94	36.49	13.99	22.50	--	--		25,000	7,600	710	600	1,800	--	--
09/22/94	36.49	12.56	23.93	--	--		25,000	7,800	140	600	1,100	--	--
12/15/94	36.49	17.47	19.02	--	--		38,000	7,600	460	1,200	2,000	--	--
03/30/95	36.49	21.63	14.86	--	--		41,000	8,700	1,600	1,800	3,000	--	--
06/20/95	36.49	19.59	16.90	--	--		29,000	6,000	890	960	1,800	--	--
09/20/95	36.49	20.29	16.20	--	--		12,000	6,900	510	290	1,300	--	--
12/06/95	36.49	13.37	23.12	--	--		13,000	3,900	42	30	250	<250	--
03/21/96	36.49	22.39	14.10	--	--		39,000	4,800	640	1,000	1,800	<1,000	--
06/21/96	36.49	19.54	16.95	--	--		26,000	4,400	640	960	1,800	2,000	--
09/06/96	36.49	16.36	20.13	--	--		23,000	500	200	230	1,000	3,100	--
12/19/96	36.49	19.57	16.92	--	--		23,000	4,900	320	1,100	2,000	<250	--
03/17/97	36.49	19.09	17.40	--	--		30,000	5,800	700	1,400	2,200	1,700	--
06/11/97	36.49	18.15	18.34	--	--		29,000	4,400	520	790	1,800	2,000	--
09/17/97	36.49	15.03	21.46	--	--		17,000	4,300	140	940	1,100	4,600	--
12/11/97	36.49	19.84	16.65	--	--		12,000	2,500	130	300	1,000	1,400	--
03/12/98	36.49	19.90	16.59	--	--		46,000	11,000	1,500	2,300	5,000	3,400	--
06/23/98 ³	36.49	19.47	17.02	--	--		27,000	1,600	160	180	690	100	--
09/01/98	36.49	15.04	21.45	--	--		520	14	2.3	<0.5	4.8	61	--
12/30/98	36.49	15.07	21.42	--	--		122	14.1	1.86	<1.0	3.61	349	--
03/31/99	36.49	21.29	15.20	--	--		20,300	4,450	443	1,000	2,130	1,320	--
06/14/99	36.49	14.69	21.80	--	--		1,820	183	7.14	36.7	56.5	291	--

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Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
					REMOVED (gallons)	TPH-G (µg/L)						
C-4 (cont)												
03/06/08 ⁷	36.49	26.35	10.14	0.00	0.00	17,000	3,500	210	510	510	77	<250
06/05/08 ⁷	36.49	24.91	11.58	0.00	0.00	12,000	3,500	120	300	240	76	<250
09/03/08⁷	36.49	24.02	12.47	0.00	0.00	13,000	3,400	72	210	130	73	<250
C-5												
08/27/90	35.50	5.67	29.83	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/14/90	35.50	4.94	30.56	--	--	--	--	--	--	--	--	--
06/18/91	35.50	6.98	28.52	--	--	<50	<0.5	<0.5	<0.5	--	--	--
09/19/91	35.50	5.99	29.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/91	35.50	5.54	29.96	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/18/92	35.50	9.58	25.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/92	35.50	7.50	28.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/08/92	35.50	6.85	28.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/08/93	35.50	9.48	26.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/14/93	35.50	11.46	24.04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/16/93	35.50	10.29	25.21	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/21/93	38.50	12.14	26.36	--	--	60	10	8.1	1.9	9.4	--	--
01/28/94	38.50	12.60	25.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/17/94	38.50	14.00	24.50	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/94	38.50	14.10	24.40	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/22/94	38.50	13.34	25.16	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/15/94	38.50	15.61	22.89	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/30/95	38.50	19.96	18.54	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/20/95	38.50	18.37	20.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/20/95	38.50	14.16	24.34	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/06/95	38.50	14.40	24.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/21/96	38.50	20.10	18.40	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/21/96	38.50	18.23	20.27	--	--	<50	<0.5	<0.5	<0.5	<0.5	8.7	--
06/06/96	38.50	16.60	21.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/19/96	38.50	17.35	21.15	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/17/97	38.50	18.66	19.84	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/11/97	38.50	16.90	21.60	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/17/97	38.50	10.67	27.83	--	--	SAMPLED ANNUALLY		--	--	--	--	--
12/11/97	38.50	17.50	21.00	--	--	--	--	--	--	--	--	--

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Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
					REMOVED (gallons)	TPH-G (µg/L)						
C-5 (cont)												
03/12/98	38.50	22.08	16.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/23/98	38.50	21.52	16.98	--	--	--	--	--	--	--	--	--
09/01/98	38.50	18.08	20.42	--	--	--	--	--	--	--	--	--
12/30/98	38.50	17.71	20.79	--	--	--	--	--	--	--	--	--
03/31/99	38.50	21.45	17.05	--	--	<50	<0.5	<0.5	<0.5	<0.5	15	--
06/14/99	38.50	21.02	17.48	--	--	--	--	--	--	--	--	--
09/30/99	38.50	19.77	18.73	--	--	--	--	--	--	--	--	--
12/22/99	38.50	16.32	22.18	--	--	--	--	--	--	--	--	--
03/09/00	38.50	21.52	16.98	--	--	<50	<0.5	<0.5	<0.5	0.87	3.5	--
06/23/00	38.50	18.85	19.65	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/05/00	38.50	18.03	20.47	0.00	0.00	--	--	--	--	--	--	--
12/04/00	38.50	17.04	21.46	0.00	0.00	--	--	--	--	--	--	--
03/08/01	38.50	20.97	17.53	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	5.15	--
06/07/01	38.50	19.00	19.50	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/13/01	38.50	17.07	21.43	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/13/01	38.50	18.66	19.84	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/08/02	38.50	20.32	18.18	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	3.5	--
06/19/02	38.50	19.62	18.88	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/11/02	38.50	17.94	20.56	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/11/02	38.50	16.68	21.82	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/11/03	38.50	19.54	18.96	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	3.2	--
06/10/03	38.50	19.63	18.87	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/09/03	38.50	17.82	20.68	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/09/03	38.50	18.25	20.25	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/09/04 ⁷	38.50	21.82	16.68	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50
06/08/04	38.50	19.16	19.34	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/08/04	38.50	18.40	20.10	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/06/04	38.50	18.75	19.75	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/07/05 ⁷	38.50	20.35	18.15	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/06/05	38.50	19.14	19.36	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/06/05	38.50	20.24	18.26	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/05/05	38.50	20.59	17.91	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/06/06 ⁷	38.50	20.30	18.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/06	38.50	22.63	15.87	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/05/06	38.50	19.72	18.78	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--

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Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
					REMOVED (gallons)								
C-5 (cont)													
12/04/06	38.50	19.79	18.71	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
03/05/07 ⁷	38.50	22.23	16.27	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	1	<50
06/04/07	38.50	22.23	16.27	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
09/07/07	38.50	19.59	18.91	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
12/06/07	38.50	19.15	19.35	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
03/06/08 ⁷	38.50	22.66	15.84	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	0.7	<50
06/05/08	38.50	21.09	17.41	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
09/03/08	38.50	19.19	19.31	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
C-6													
08/27/90	32.40	-11.71	44.11	--	--		7,200	2,100	6.0	41	300	--	--
11/14/90	32.40	-11.63	44.03	--	--		--	--	--	--	--	--	--
06/18/91	32.40	-11.09	43.49	--	--		4,400	2,500	18	160	77	--	--
09/19/91	32.40	-1.92	34.32	--	--		3,100	1,600	8.3	73	8.0	--	--
12/20/91	32.40	-8.95	41.35	--	--		4,400	1,300	3.2	74	10	--	--
03/18/92	32.40	-8.29	40.69	--	--		9,800	3,200	34	250	500	--	--
07/14/92	32.40	-6.49	38.89	--	--		6,500	2,200	100	96	240	--	--
10/08/92	32.40	-6.27	38.67	--	--		1,800	1,000	3.1	15	41	--	--
01/08/93	32.40	-5.41	37.81	--	--		5,200	1,600	6.8	63	120	--	--
04/14/93	32.40	-2.30	34.70	--	--		11,000	1,800	13	110	200	--	--
07/16/93	32.40	-1.47	33.87	--	--		4,800	820	10	41	57	--	--
09/21/93	35.40	1.42	33.98	--	--		4,100	1,200	<50	75	130	--	--
01/28/94	35.40	1.54	33.86	--	--		3,100	930	14	40	34	--	--
03/17/94	35.40	3.09	32.31	--	--		5,100	950	18	61	83	--	--
06/16/94	35.40	3.90	31.50	--	--		3,800	970	6.4	52	62	--	--
09/22/94	35.40	4.18	31.22	--	--		4,100	980	7.8	43	48	--	--
12/15/94	35.40	4.00	31.40	--	--		5,000	1,400	<20	73	61	--	--
03/30/95	35.40	9.02	26.38	--	--		5,500	1,700	<13	120	97	--	--
06/20/95	35.40	10.39	25.01	--	--		1,700	470	<10	29	16	--	--
09/20/95	35.40	11.35	24.05	--	--		3,500	770	<5.0	45	17	--	--
12/06/95	35.40	7.28	28.12	--	--		3,100	710	<10	41	20	<50	--
03/21/96	35.40	12.28	23.12	--	--		1,400	330	<2.5	15	8.1	19	--
06/21/96	35.40	11.90	23.50	--	--		2,200	560	<5.0	18	<5.0	77	--
09/06/96	35.40	10.57	24.83	--	--		2,800	720	<10	13	<10	160	--

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WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
C-7 (cont)												
12/09/03 ⁷	35.19	6.74	28.45	0.00	0.00	170	0.8	<0.5	<0.5	<0.5	5	<50
03/09/04 ⁷	35.19	10.73	24.46	0.00	0.00	80	<0.5	<0.5	<0.5	<0.5	4	<50
06/08/04 ⁷	35.19	8.23	26.96	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50
09/08/04 ⁷	35.19	9.99	25.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	<50
12/06/04 ⁷	35.19	10.28	24.91	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	<50
03/07/05 ⁷	35.19	11.76	23.43	0.00	0.00	590	9	0.7	4	6	7	<50
06/06/05 ⁷	35.19	13.31	21.88	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50
09/06/05 ⁷	35.19	11.60	23.59	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	9	<50
12/05/05 ⁷	35.19	11.44	23.75	0.00	0.00	<50	0.6	<0.5	<0.5	<0.5	9	<50
03/06/06 ⁷	35.19	13.80	21.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	<50
06/05/06 ⁷	35.19	14.78	20.41	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50
09/05/06 ⁷	35.19	12.38	22.81	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50
12/04/06 ⁷	35.19	11.84	23.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	<50
03/05/07 ⁷	35.19	12.47	22.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50
06/04/07 ⁷	35.19	14.24	20.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50
09/07/07 ⁷	35.19	11.71	23.48	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	<50
12/06/07 ⁷	35.19	10.87	24.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	<50
03/06/08 ⁷	35.19	11.90	23.29	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50
06/05/08 ⁷	35.19	11.92	23.27	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50
09/03/08⁷	35.19	10.58	24.61	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50
C-8												
11/14/90	30.68	-12.61	43.29	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
06/18/91	30.68	-11.94	42.62	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/19/91	30.68	-11.04	41.72	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/91	30.68	-10.30	40.98	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/18/92	30.68	-9.34	40.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/92	30.68	-8.34	39.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/08/92	30.68	-8.00	38.68	--	--	<50	<0.5	<0.5	<0.5	1.1	--	--
01/08/93	30.68	-7.39	38.07	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/14/93	30.68	-5.31	35.99	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/16/93	30.68	-4.64	35.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/21/93	34.68	-0.62	35.30	--	--	<50	<0.5	<0.5	<0.5	<0.8	--	--
01/28/94	34.68	-0.93	35.61	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
					REMOVED (gallons)	TPH-G (µg/L)						
C-8 (cont)												
03/17/94	34.68	0.31	34.37	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/94	34.68	1.32	33.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/22/94	34.68	1.86	32.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/15/94	34.68	2.32	32.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/30/95	34.68	5.44	29.24	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/20/95	34.68	6.34	28.34	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/20/95	34.68	5.20	29.48	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/06/95	34.68	3.76	30.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/21/96	34.68	6.03	28.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/21/96	34.68	6.78	27.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/06/96	34.68	5.98	28.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/19/96	34.68	4.98	29.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/17/97	34.68	6.92	27.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/11/97	34.68	5.87	28.81	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/17/97	34.68	5.32	29.36	--	--	SAMPLED ANNUALLY		--	--	--	--	--
12/11/97	34.68	4.88	29.80	--	--	--	--	--	--	--	--	--
03/12/98	34.68	8.95	25.73	--	--	<50	<0.5	<0.5	<0.5	<0.5	2.6	--
06/23/98	34.68	8.38	26.30	--	--	--	--	--	--	--	--	--
09/01/98	34.68	8.17	26.51	--	--	--	--	--	--	--	--	--
12/30/98	34.68	7.79	26.89	--	--	--	--	--	--	--	--	--
03/31/99	34.68	8.32	26.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	11.8	--
06/14/99	34.68	8.65	26.03	--	--	--	--	--	--	--	--	--
09/30/99	34.68	7.40	27.28	--	--	--	--	--	--	--	--	--
12/22/99	34.68	6.48	28.20	--	--	--	--	--	--	--	--	--
03/09/00	34.68	8.35	26.33	--	--	<50	<0.5	<0.5	<0.5	1.8	<2.5	--
06/23/00	34.68	8.49	26.19	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/05/00	34.68	7.71	26.97	0.00	0.00	--	--	--	--	--	--	--
12/04/00	34.68	7.26	27.42	0.00	0.00	--	--	--	--	--	--	--
03/08/01	34.68	8.58	26.10	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
06/07/01	34.68	8.89	25.79	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/13/01	34.68	7.87	26.81	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/13/01	34.68	7.52	27.16	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/08/02	34.68	9.38	25.30	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/19/02	34.68	9.75	24.93	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/11/02	34.68	8.76	25.92	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--

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Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
					REMOVED (gallons)								
C-8 (cont)													
12/11/02	34.68	7.37	27.31	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
03/11/03	34.68	8.89	25.79	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
06/10/03	34.68	9.40	25.28	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
09/09/03	34.68	8.57	26.11	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
12/09/03	34.68	6.17	28.51	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
03/09/04 ⁷	34.68	10.70	23.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/08/04	34.68	9.41	25.27	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
09/08/04	34.68	8.85	25.83	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
12/06/04	34.68	9.62	25.06	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
03/07/05 ⁷	34.68	11.33	23.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/06/05	34.68	11.84	22.84	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
09/06/05	34.68	9.77	24.91	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
12/05/05	34.68	10.52	24.16	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
03/06/06 ⁷	34.68	12.13	22.55	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/06	34.68	13.08	21.60	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
09/05/06	34.68	10.93	23.75	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
12/04/06	34.68	10.71	23.97	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
03/05/07 ⁷	34.68	11.63	23.05	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/04/07	34.68	12.57	22.11	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
09/07/07	34.68	10.61	24.07	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
12/06/07	34.68	10.30	24.38	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
03/06/08 ⁷	34.68	11.32	23.36	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/08	34.68	11.62	23.06	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
09/03/08	34.68	9.75	24.93	0.00	0.00		SAMPLED ANNUALLY		--	--	--	--	--
C-9													
08/13/96	--	--	28.27	--	--		ND	ND	ND	ND	ND	ND	--
09/06/96	--	--	28.47	--	--		<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/19/96	30.68	1.39	29.29	--	--		<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/17/97	30.68	3.11	27.57	--	--		<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/11/97	30.68	2.41	28.27	--	--		<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/17/97	30.68	2.05	28.63	--	--		SAMPLED ANNUALLY		--	--	--	--	--
12/11/97	30.68	1.25	29.43	--	--		--	--	--	--	--	--	--
03/12/98	30.68	5.06	25.62	--	--		<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

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4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
					REMOVED (gallons)								
C-9 (cont)													
06/23/98	30.68	4.53	26.15	--	--	--	--	--	--	--	--	--	--
09/01/98	30.68	4.30	26.38	--	--	--	--	--	--	--	--	--	--
12/30/98	30.68	3.93	26.75	--	--	--	--	--	--	--	--	--	--
03/31/99	30.68	5.35	25.33	--	--	<50	<0.5	<0.5	<0.5	<0.5	12.5	--	--
06/14/99	30.68	4.16	26.52	--	--	--	--	--	--	--	--	--	--
09/30/99	30.68	3.89	26.79	--	--	--	--	--	--	--	--	--	--
12/22/99	30.68	2.99	27.69	--	--	--	--	--	--	--	--	--	--
03/09/00	30.68	4.64	26.04	--	--	<50	<0.5	<0.5	<0.5	0.75	<2.5	--	--
06/23/00	30.68	4.83	25.85	0.00	0.00	--	--	--	--	--	--	--	--
09/05/00	30.68	3.99	26.69	0.00	0.00	--	--	--	--	--	--	--	--
12/04/00	30.68	3.61	27.07	0.00	0.00	--	--	--	--	--	--	--	--
03/08/01	30.68	4.93	25.75	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--
06/07/01	30.68	5.18	25.50	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
09/13/01	30.68	4.13	26.55	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
12/13/01	30.68	3.91	26.77	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
03/08/02	30.68	5.68	25.00	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
06/19/02	30.68	6.01	24.67	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
09/11/02	30.68	4.98	25.70	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
12/11/02	30.68	3.61	27.07	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
03/11/03	30.68	6.20	24.48	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
06/10/03	30.68	5.68	25.00	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
09/09/03	30.68	4.88	25.80	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
12/09/03	30.68	2.46	28.22	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
03/09/04 ⁷	30.68	6.82	23.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/08/04	-- ¹⁰	-- ¹⁰	25.21	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
09/08/04	-- ¹⁰	-- ¹⁰	25.61	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
12/06/04	-- ¹⁰	-- ¹⁰	24.77	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
03/07/05 ⁷	-- ¹⁰	-- ¹⁰	23.18	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/06/05	-- ¹⁰	-- ¹⁰	22.65	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
09/06/05	-- ¹⁰	-- ¹⁰	24.58	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
12/05/05	-- ¹⁰	-- ¹⁰	23.80	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
03/06/06 ⁷	-- ¹⁰	-- ¹⁰	22.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/06	-- ¹⁰	-- ¹⁰	21.54	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
09/05/06	-- ¹⁰	-- ¹⁰	23.49	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--
12/04/06	-- ¹⁰	-- ¹⁰	23.72	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--

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4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
					REMOVED (gallons)								
C-9 (cont)													
03/05/07 ⁷	-- ¹⁰	-- ¹⁰	22.97	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/04/07	-- ¹⁰	-- ¹⁰	21.89	0.00	0.00		SAMPLED ANNUALLY	--	--	--	--	--	--
09/07/07	-- ¹⁰	-- ¹⁰	23.76	0.00	0.00		SAMPLED ANNUALLY	--	--	--	--	--	--
12/06/07	-- ¹⁰	-- ¹⁰	24.17	0.00	0.00		SAMPLED ANNUALLY	--	--	--	--	--	--
03/06/08 ⁷	-- ¹⁰	-- ¹⁰	23.18	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/08	-- ¹⁰	-- ¹⁰	23.11	0.00	0.00		SAMPLED ANNUALLY	--	--	--	--	--	--
09/03/08	--¹⁰	--¹⁰	24.91	0.00	0.00		SAMPLED ANNUALLY	--	--	--	--	--	--
C-10													
09/09/03 ^{7,8}	--	--	17.18	0.00	0.00		<50	<0.5	<0.5	<0.5	0.5	14	<50
12/09/03 ⁷	--	--	14.24	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	2	<50
03/09/04 ⁷	38.37	28.67	9.70	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	15	<50
06/08/04 ⁷	38.37	26.67	11.70	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	44	<50
09/08/04 ⁷	38.37	25.37	13.00	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	2	<50
12/06/04 ⁷	38.37	25.84	12.53	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	3	<50
03/07/05 ⁷	38.38	30.54	7.84	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	140	<50
06/06/05 ⁷	38.38	28.76	9.62	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	390	<50
09/06/05 ⁷	38.39	26.81	11.58	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	190	<50
12/05/05 ⁷	38.39	27.51	10.88	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	67	<50
03/06/06 ⁷	38.39	31.02	7.37	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	280	<50
06/05/06 ⁷	38.39	29.14	9.25	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	280	<50
09/05/06 ⁷	38.39	28.01	10.38	0.00	0.00		<50	3	3	2	16	63	<50
12/04/06 ⁷	38.39	27.74	10.65	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	93	<50
03/05/07 ⁷	38.39	29.42	8.97	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	100	<50
06/04/07 ⁷	38.39	28.59	9.80	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	48	<50
09/07/07 ⁷	38.39	27.19	11.20	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	18	<50
12/06/07 ⁷	38.39	27.86	10.53	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	19	<50
03/06/08 ⁷	38.39	29.64	8.75	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	43	<50
06/05/08 ⁷	38.39	28.44	9.95	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	25	<50
09/03/08⁷	38.39	26.98	11.41	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	12	<50

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WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
					REMOVED (gallons)	TPH-G (µg/L)						
TRIP BLANK												
04/28/89	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--	--
08/08/89	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--	--
08/27/90	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/14/90	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
06/18/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/19/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/18/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/08/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/08/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/14/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/16/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/21/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.8	--	--
01/28/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/17/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/22/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/15/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/30/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/20/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/20/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/06/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/21/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/21/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/06/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/19/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/17/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/11/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/17/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/11/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/12/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/23/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/01/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/30/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH							
					REMOVED (gallons)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
TRIP BLANK (cont)												
03/31/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
06/14/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/22/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/23/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
09/05/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
12/04/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
03/08/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
06/07/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
09/13/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
QA												
12/13/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/08/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/19/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
09/11/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
12/11/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/11/03	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/10/03 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/09/03 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/09/03 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/09/04 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/08/04 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/08/04 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/06/04 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/07/05 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/06/05 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/06/05 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/05/05 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/06/06 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/05/06 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/05/06 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/04/06 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/05/07 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/04/07 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
					REMOVED (gallons)	TPH-G (µg/L)						
QA (cont)												
09/07/07 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/06/07 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/06/08 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/05/08 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/03/08⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 23, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing (ft.) = Feet	TPH-G = Total Petroleum Hydrocarbons as Gasoline B = Benzene T = Toluene E = Ethylbenzene X = Xylenes	ND = Not Detected -- = Not Measured/Not Analyzed QA = Quality Assurance/Trip Blank
GWE = Groundwater Elevation (msl) = Mean sea level	MTBE = Methyl tertiary butyl ether	
DTW = Depth to Water	(µg/L) = Micrograms per liters	
SPHT = Separate Phase Hydrocarbons Thickness		
SPH = Separate Phase Hydrocarbons		

* TOC elevation for C-10 was surveyed on September 26, 2003, by Virgil Chavez Land Surveying. The benchmark for this survey was a City of Oakland No. 1589, a cut square in the sidewalk at the mid-return at the west corner of High Street and Foothill Blvd., (Benchmark Elevation = 38.54 feet, NGVD 29).

** GWE corrected for the presence of SPH; correction factor: [(TOC - DTW) + (SPHT x 0.80)].

1 Confirmation run.

2 Sample was analyzed past hold-time, the results should be considered as estimated.

3 ORC present in well.

4 Laboratory report indicates gasoline C6-C12.

5 Laboratory report indicates sample was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.

6 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

7 BTEX and MTBE by EPA Method 8260.

8 Well development performed.

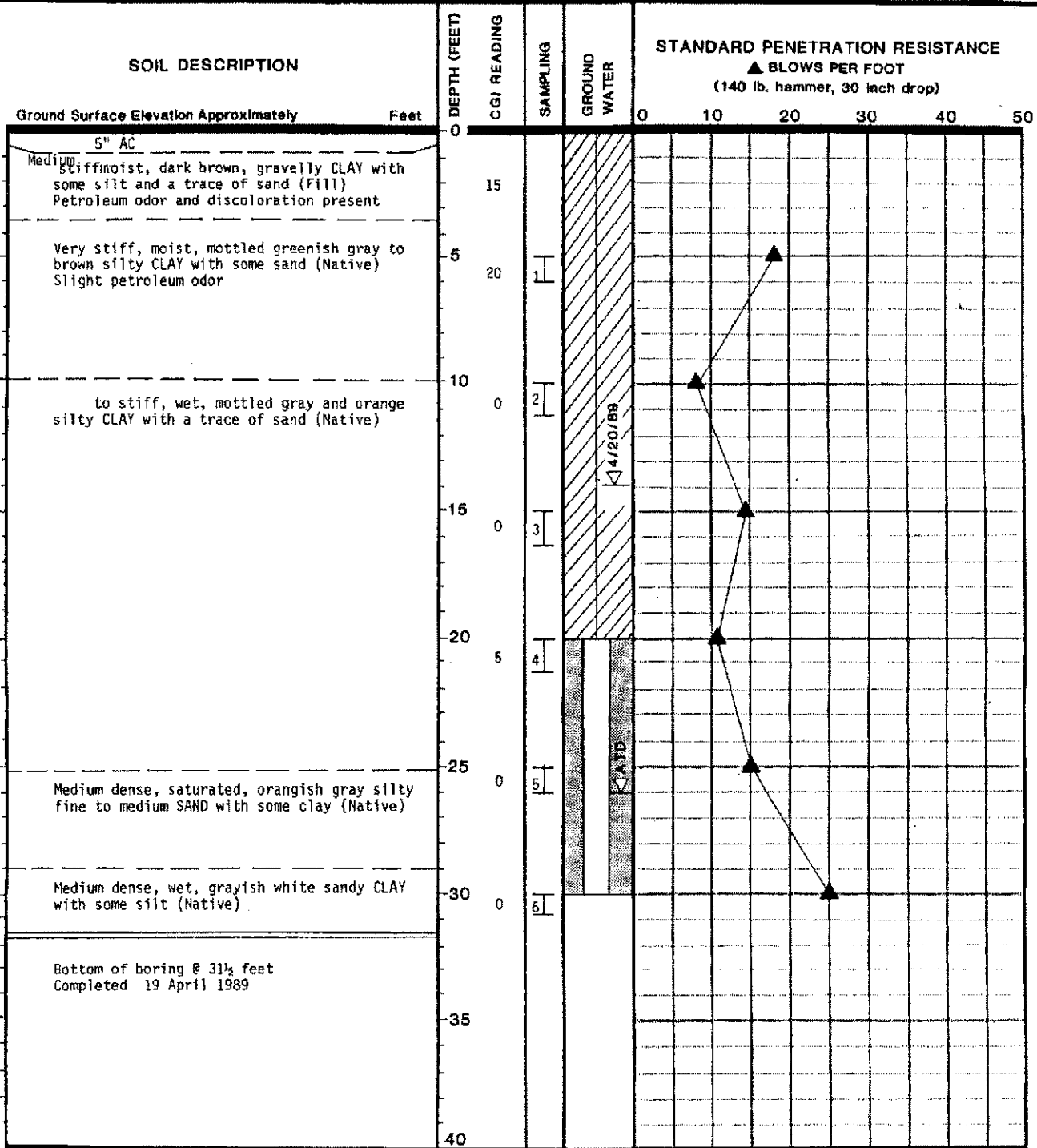
9 ORC removed from well.

10 TOC has been altered; unable to determine an accurate GWE.

11 Laboratory confirmed result.

APPENDIX B

**Soil Boring/Well Construction Logs
with
Geologic Cross-Sections**



- SAMPLING**
- I 2" OD SPLIT SPOON SAMPLE
 - II 3" OD SHELBY SAMPLE
 - III 2.5" ID RING SAMPLE
 - B BULK SAMPLE
 - * SAMPLE NOT RECOVERED

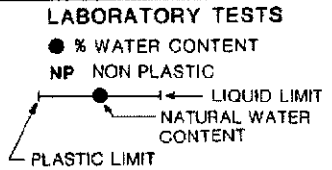
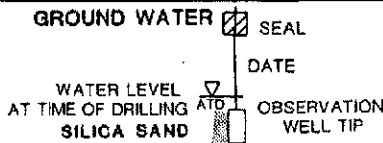
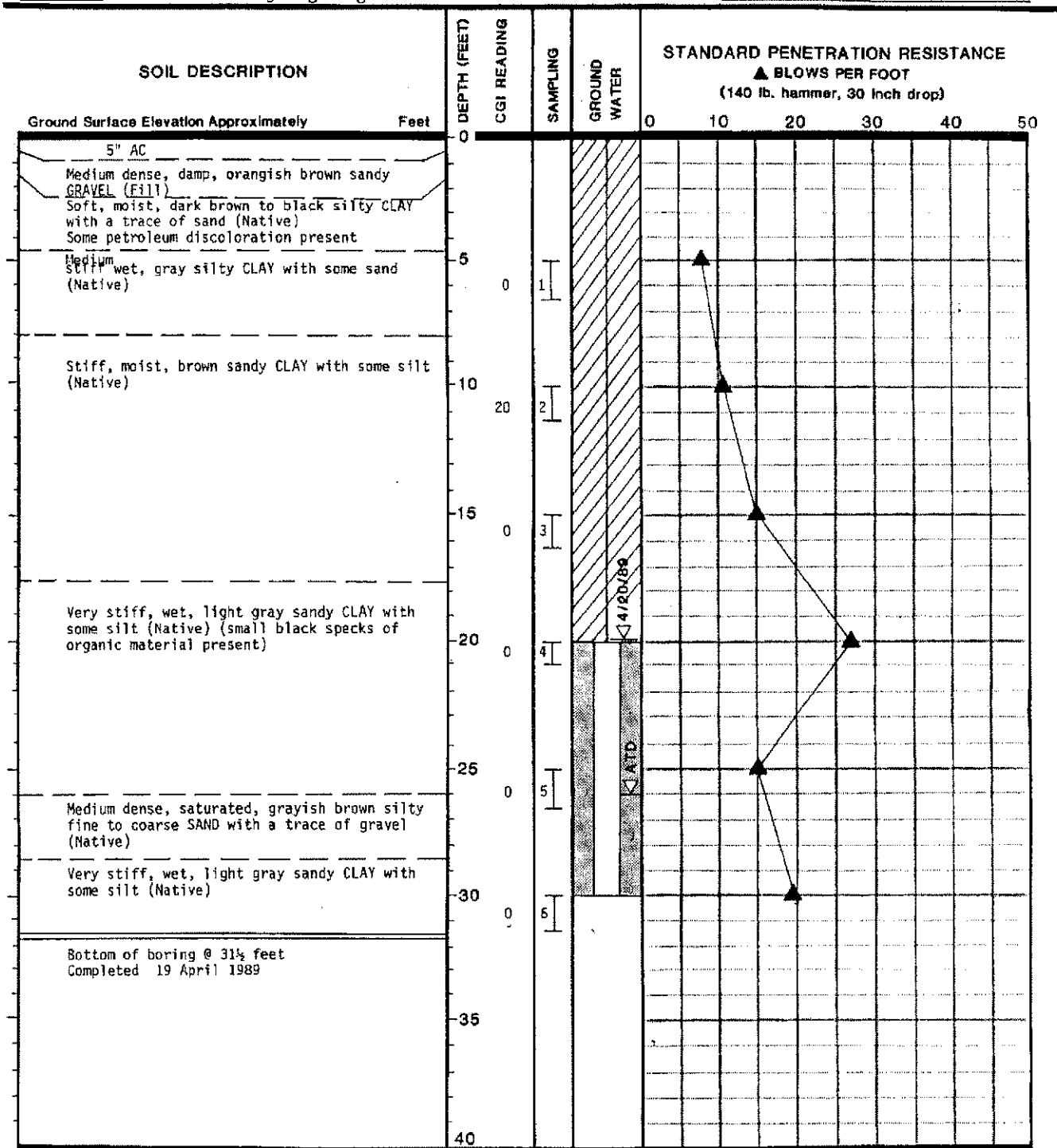


FIGURE 2



- SAMPLING**
I 2" OD SPLIT SPOON SAMPLE
II 3" OD SHELBY SAMPLE
⊗ 2.5" ID RING SAMPLE
B BULK SAMPLE
 * SAMPLE NOT RECOVERED

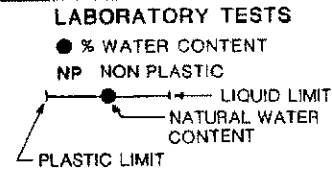
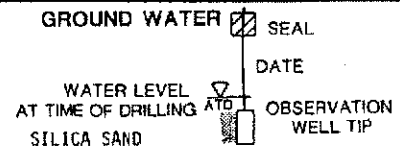


FIGURE 3



LOG OF EXPLORATORY BORING

PROJECT NO. 30-103 DATE 01/29/90 BORING NO. B-3
 CLIENT Mobil Oil Corporation
 LOCATION 4280 Foothill Blvd., Oakland Sheet 1
 LOGGED BY B. Nagle DRILLER Bayland of 1

Field location of boring:



Ground Elev. HIGH Datum

Drilling method Hollow-stem auger
 Hole Dia. 10"
 Casing Installation Date 4" perforated (0.020") pipe 32-20', #3 lonestar sand 33-18', bentonite pellets 18-17'; cement seal to surface.

Blow Counts	PID OVA	Depth (feet)	Soil Group Symbol (test)	Litho-graphic Symbol	Water Level		DESCRIPTION			
					6.72	20.28				
					Time	11:00	13:51			
Date	1/29/90	2/05/90								
							3" asphalt; 6" baserock			
	25	2	CL				SILTY CLAY: Black, moist, high plasticity.			
		4					Appearance of fine to coarse grained sand; color change to dark brown.			
3, 4, 8	50	6	CL				SILTY CLAY: Mottled olive green/brown, moist, moderate plasticity, stiff; gravels up to 1/4".			
		8								
10, 13, 17	40	10	CL				SANDY CLAY: Brown, moist, low plasticity, very stiff; gravels up to 1/2".			
		12								
		14					Driller felt auger out of gravels at 13'			
6, 7, 9	40	16	CL				SILTY CLAY: Tan, damp to moist, medium plasticity, stiff, blue-gray staining along occasional rootlets.			
		18								
		20	CL				Change to very moist, increase in 1/2" carbon granules.			
5, 9, 10	25	22								
		24								
4, 9, 15	50 100 In Shoe	26	CL				SANDY CLAY: Blue-gray to tan, moist, low plasticity, stiff. Color change to light gray.			
		28								
5, 6, 9		30					Top of 32'-33 1/2' sample wet with sandy gravel stringers up to 2".			
7, 10, 14		32	CL				SILTY CLAY: Mottled brown and gray, damp, medium plasticity, very stiff.			
							Boring terminated at 33 1/2'. Free ground water encountered at approximately 31'.			



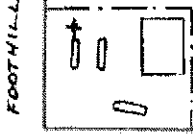
ALTON GEOSCIENCE

LOG OF EXPLORATORY BORING

PROJECT NO. 30-103 DATE 01/30/90
 CLIENT Mobil Oil Corporation
 LOCATION 4280 Foothill Blvd., Oakland
H. Nagle Bayland
 LOGGED BY _____ DRILLER _____

BORING NO
 B-4
 Sheet 1
 of 1

Field location of boring:



Drilling method Hollow-stem auger

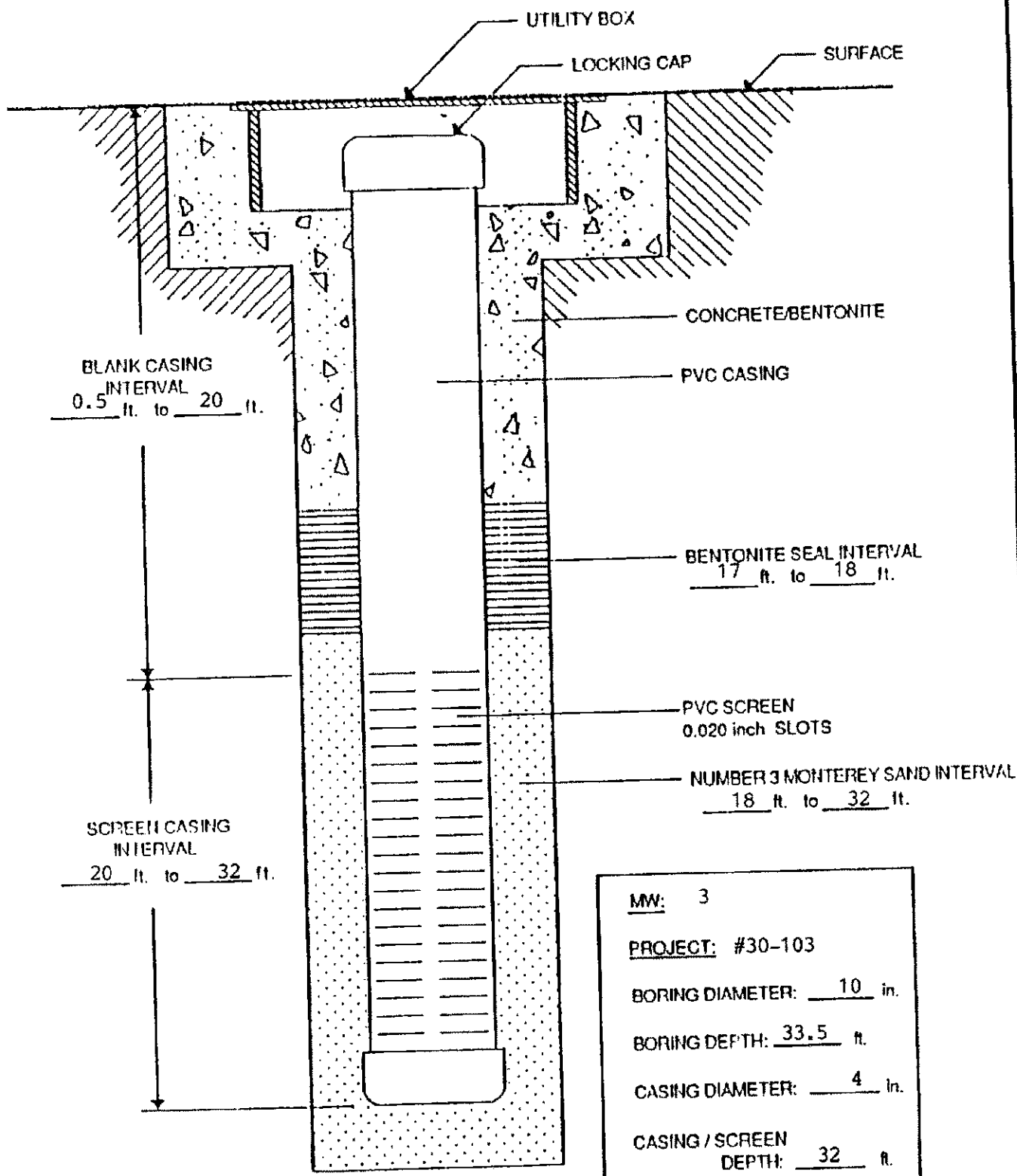
Hole Dia. 10"

Casing Installation Data 4" perforated (0.020") pipe
27-20'; #3 lonestar 27-18½, bentonite pellets
18½-17½; neat cement seal 17½ to surface.

Ground Elev. HIGH Datum

Blow Counts	PID OVA	Depth	Soil Group Symbol (USCS)	Litho-graphic Symbol	Water Level		Time	Date	DESCRIPTION
					17.07	16.32			
		2							4" asphalt, 6" baserock
		4							SILTY CLAY: Dark brown, damp to moist, high plasticity, stiff.
4,7,7	20	6							SILTY CLAY: Mottled orange-brown, damp, low plasticity, stiff; minor fine sand and angular gravels up to ¼".
		8							SANDY CLAY: Light brown, damp, medium plasticity, stiff; occasional carbon granules.
3,5,7	40	10							Driller felt increase in resistance at 13½ feet.
		12							CLAYEY SAND: Brown, moist, medium dense; occasional fine to coarse grained gravels up to ¼".
6,9,11	25	16							Driller felt smoother drilling at approximately 17'.
		18							
4,5,13		20							SANDY CLAY: Light brown, moist, low plasticity, stiff
		22							CLAYEY SAND: Light brown, wet, medium dense.
		24							
5,9,12	75	26							SILTY CLAY: Mottled blue gray and brown, low plasticity, very stiff; minor very fine sand.
		28							Driller needed more pressure to drill at 27'.
3,7,10	70								CLAYEY SILT: Whiteish gray to tan, moist, low plasticity, very stiff; some fine sand.
									Boring terminated at 29½ feet.
									Free ground water encountered at approximately 20 feet.

MONITORING WELL CONSTRUCTION DETAIL



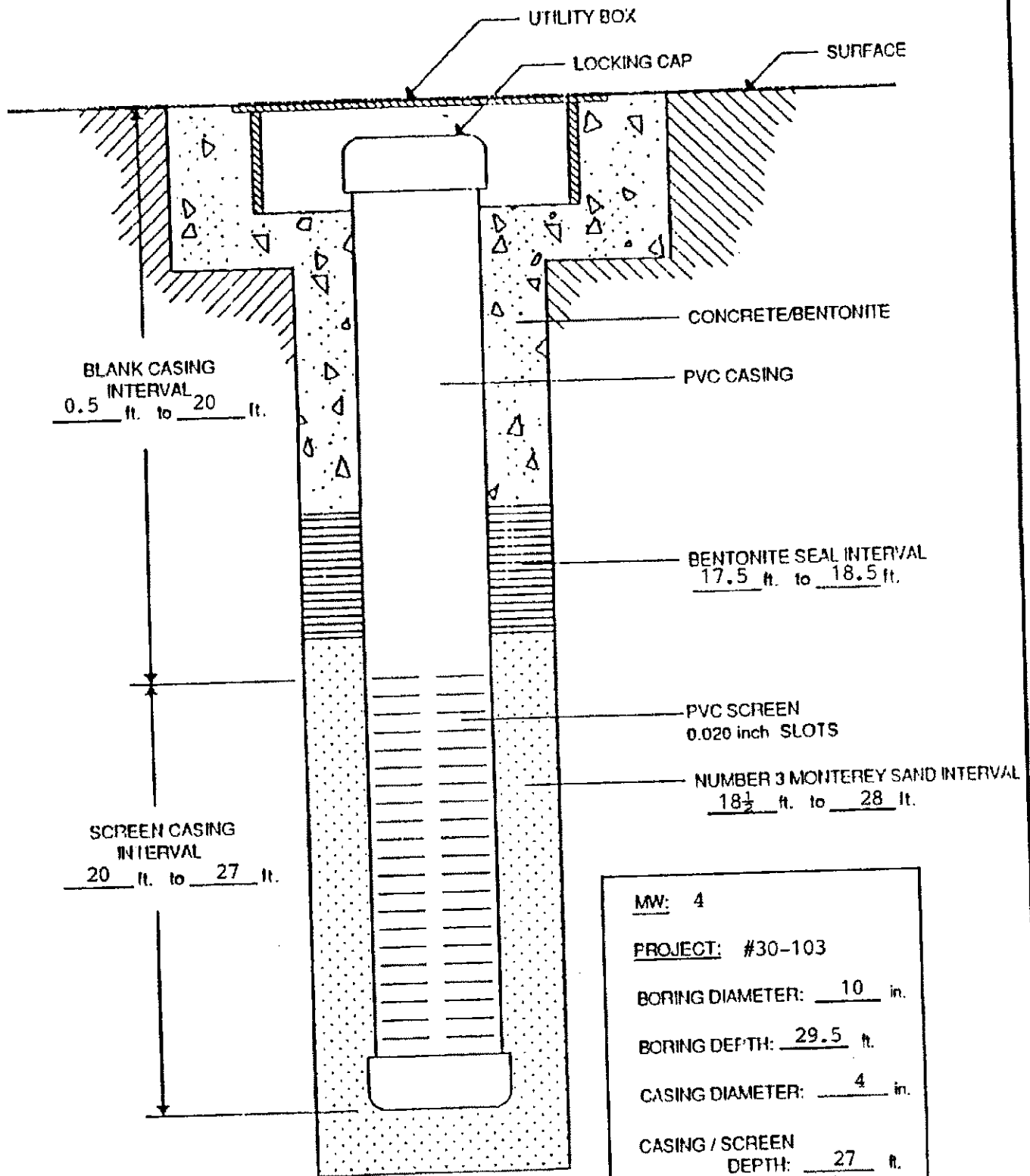
MW: 3
PROJECT: #30-103
BORING DIAMETER: 10 in.
BORING DEPTH: 33.5 ft.
CASING DIAMETER: 4 in.
CASING / SCREEN DEPTH: 32 ft.

NOTE: DRAWING IS NOT TO SCALE

PROJECT #30-103

ALTON GEOSCIENCE
1170 BURNETT AVE., STE S
CONCORD, CA, 94520

MONITORING WELL CONSTRUCTION DETAIL



MW: 4
 PROJECT: #30-103
 BORING DIAMETER: 10 in.
 BORING DEPTH: 29.5 ft.
 CASING DIAMETER: 4 in.
 CASING / SCREEN DEPTH: 27 ft.

NOTE: DRAWING IS NOT TO SCALE PROJECT #30-103



ALTON GEOSCIENCE
 1170 BURNETT AVE., STE S
 CONCORD, CA. 94520

**ALTON GEOSCIENCE
LOG OF EXPLORATORY
BORING**



PROJECT NO. 30-0248 DATE DRILLED 9/09/91
 CLIENT BP Oil Co., Service Station No. 30-0248
 LOCATION 4280 Foothill Blvd., Oakland, CA
 LOGGED BY B. Nagle APPROVED BY _____

BORING NO. MW-5
 WELL NO. MW-5
 Page 1 of 1

FIELD SKETCH OF BORING LOCATION
 (SEE SITE PLAN)

TOP OF CASING ELEVATION 36.55

DRILLING METHOD C.M.E. 55, HSA HOLE DIAM. 10"
 SAMPLER TYPE California Modified Split-Spoon Sampler
 CASING DATA 4" diameter, Schedule 40 PVC, 18' blank, 15' slotted
 DRILLER Soils Exploration

BLOW COUNTS (per 1/2 foot)	SAMPLE	DEPTH (FT)	Well Construction	USCS	PROFILE	DEPTH TO WATER	18.08'	18.55'	18.66'
						DATE	10/03/91	10/16/91	12/16/91
						TIME	--	--	--
COMMENTS									
			4" Asphalt, 2" Road Base						
		2	Christy Box						
		4							
3, 4, 10		6	4" sch. 40 PVC Casing	CL					SILTY CLAY: dark brown, damp, moderate plasticity.
		8							SILTY CLAY: dark brown with olive gray mottling, stiff; occasional sand and gravel.
		10		SP					SANDY CLAY: olive green, damp, low plasticity.
9, 16, 14		12		SW					GRAVELY SAND: olive green, damp, medium dense.
		14		SP					SAND: olive green, damp, fine grained.
4, 5, 10		16		SP					GRAVELY SAND: olive green, damp.
		18		CL					SILTY CLAY: light brown, damp, medium plasticity, stiff; olive green staining along occasional rootlets, minor fine grained sand.
7, 9, 11		20		SP					GRAVELY SAND: olive gray to brown to gray, moist, medium dense; hydrocarbon sheen.
6, 11, 14		22	4" sch. 40 PVC 0.020" Slot						CLAYEYSILT: tan, moist, stiff, with minor sands; blue-gray staining along occasional rootlets at 25'.
4, 6, 8		24		ML					SAME, firm.
4, 12, 25		26		SC					CLAYEY SAND: mottled tan and bluish gray, wet, very stiff.
4, 6, 9		28		SP					GRAVELY SAND: gray, wet, loose to medium dense; abundant silty sand lenses.
		30							
5, 8, 12		32	End Cap	SM					SILTY SAND: light brown, moist, stiff to very stiff; occasional wet sandy gravel.
		34							
		36							BORING TERMINATED AT 34.5 FEET BELOW GRADE.

**ALTON GEOSCIENCE
LOG OF EXPLORATORY
BORING**



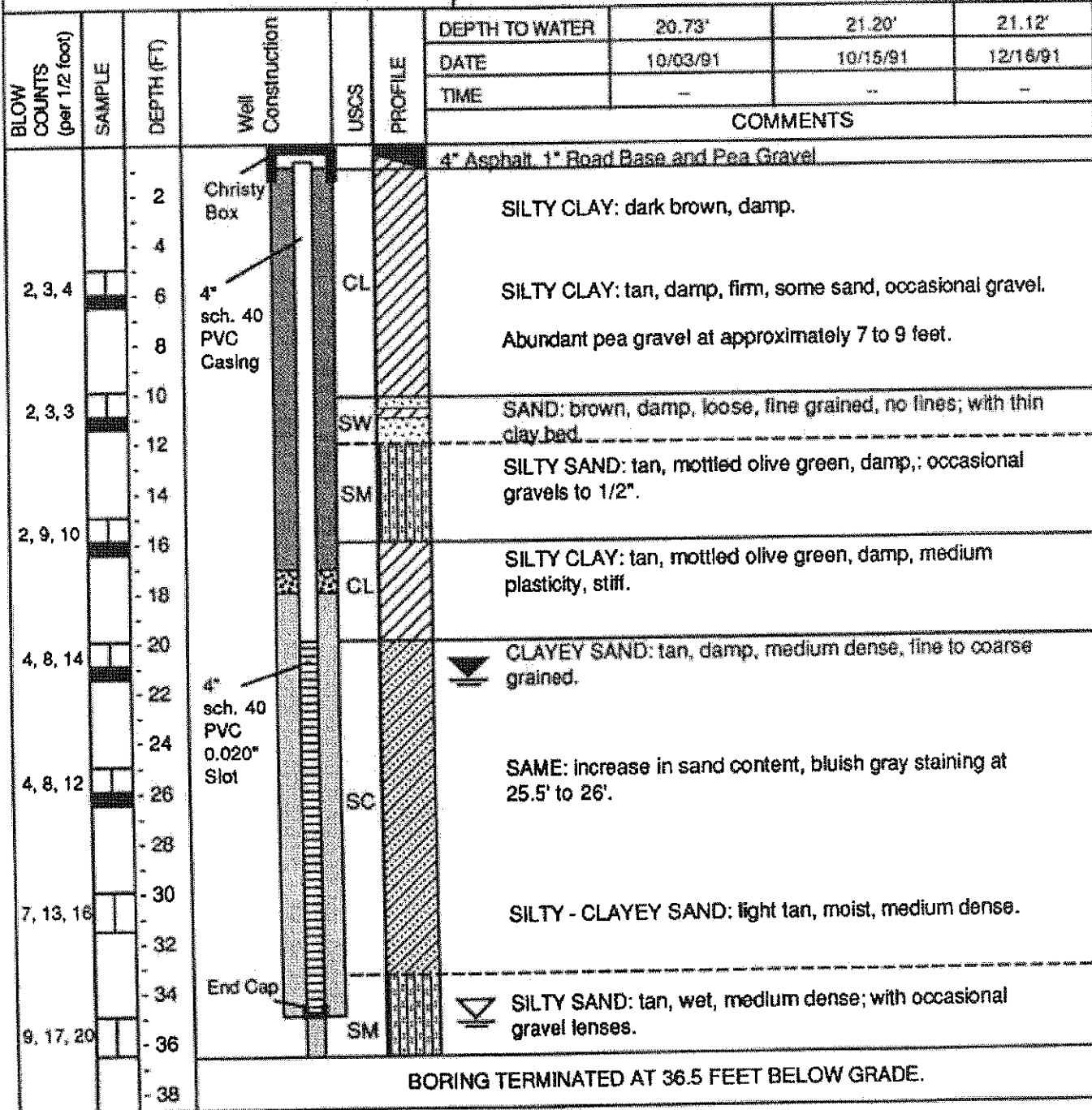
PROJECT NO. 30-0248 DATE DRILLED 9/09/91
 CLIENT BP Oil Co., Service Station No. 30-0248
 LOCATION 4280 Foothill Blvd., Oakland, CA
 LOGGED BY B. Nagle APPROVED BY _____

BORING NO. MW-6
 WELL NO. MW-6
 Page 1 of 1

FIELD SKETCH OF BORING LOCATION
(SEE SITE PLAN)

DRILLING METHOD C.M.E. 55, HSA HOLE DIAM. 10"
 SAMPLER TYPE California Modified Split-Spoon Sampler
 CASING DATA 4" diameter, Schedule 40 PVC, 20' blank, 15' slotted
 DRILLER Soils Exploration

TOP OF CASING ELEVATION _____



**ALTON GEOSCIENCE
LOG OF EXPLORATORY
BORING**





PROJECT NO. 30-0248 DATE DRILLED 9/09/91
 CLIENT BP Oil Co., Service Station No. 30-0248
 LOCATION 4280 Foothill Blvd., Oakland, CA
 LOGGED BY B. Nagle APPROVED BY _____

BORING NO. MW-7
 WELL NO. MW-7
 Page 1 of 1

FIELD SKETCH OF BORING LOCATION
 (SEE SITE PLAN)

DRILLING METHOD C.M.E. 55, HSA HOLE DIAM. 12"
 SAMPLER TYPE Continuous
 CASING DATA 6" diameter, Schedule 40 PVC, 19.5 blank, 15 slotted
 DRILLER Soils Exploration

TOP OF CASING ELEVATION _____

SAMPLE	DEPTH (FT)	Well Construction	USCS PROFILE	DEPTH TO WATER	14.93'	15.16'	15.21'
				DATE	10/03/91	10/15/91	12/16/91
				TIME	-	-	-
COMMENTS							
				3" Asphalt, 6" Road Base			
	2	Christy Box	CL	SILTY CLAY: dark brown, damp, medium plasticity.			
	4			CLAYEY SAND: bluish gray, damp; occasional gravel up to 1" diameter.			
	6	6" sch. 40 PVC Casing	SC	SAME: brown to bluish gray, damp; abundant gravel, occasional silty clay lens.			
	8						
	10						
	12		CL	SILTY CLAY: mottled bluish gray - orange brown, damp, medium plasticity; stained along rootlets.			
	14		SM	SILTY SAND: bluish gray to brown, damp.			
	16			 SILTY CLAY: mottled bluish gray - orange brown, damp, medium plasticity; stiff.			
	18			SAME: mottled bluish gray - orange brown, damp, medium plasticity; stiff.			
	20		CL	SANDY CLAY: mottled bluish gray - olive green, damp, medium plasticity, very stiff.			
	22	6" sch. 40 PVC 0.020" Slot		 SILTY CLAY: brown, damp, medium plasticity, very stiff.			
	24			SANDY CLAY: olive green, wet, low plasticity.			
	26		SC	CLAYEY SAND: brown, wet, medium dense.			
	28		CL	SANDY CLAY: tan, moist to wet, low plasticity.			
	30		SC	CLAYEY SAND: tan, wet, medium dense; some orange brown mottling.			
	32						
	34	End Cap	CL	SANDY CLAY: tan, moist to wet, low plasticity, stiff; increasing sand at 34', clay fractions along horizontal planes.			
	36	BORING TERMINATED AT 34.5 FEET BELOW GRADE.					

**ALTON GEOSCIENCE
LOG OF EXPLORATORY
BORING**



PROJECT NO. 30-0248 DATE DRILLED 9/11/91
 CLIENT BP Oil Co., Service Station No. 30-0248
 LOCATION 4280 Foothill Blvd., Oakland, CA
 LOGGED BY B. Nagle APPROVED BY _____

BORING NO. MW-8
 WELL NO. MW-8
 Page 1 of 1

FIELD SKETCH OF BORING LOCATION

(SEE SITE PLAN)

TOP OF CASING ELEVATION _____

DRILLING METHOD C.M.E. 55, HSA HOLE DIAM. 6"
 SAMPLER TYPE California Modified Split-Spoon Sampler
 CASING DATA 2" diameter, Schedule 40 PVC, 19' blank, 13' slotted
 DRILLER Soils Exploration

BLOW COUNTS (per 1/2 foot)	SAMPLE	DEPTH (FT)	Well Construction	USCS	PROFILE	DEPTH TO WATER	22.37'	22.70'	22.47'
						DATE	10/03/91	10/15/91	12/16/91
						TIME	--	--	--
COMMENTS									
						3" Asphalt, 4" Concrete, 12" Road Base and Pea Gravel			
						SILTY CLAY: dark brown, damp, moderate plasticity.			
1, 1, 2		2-6	Christy Box 2" sch. 40 PVC Casing	CL		SANDY CLAY: mottled light - dark brown, moist, low plasticity, soft; abundant coarse grained sand.			
1, 3, 5		6-10		CL		SAME: light brown, moist, firm; fine grained sand.			
5, 6, 9		10-16		CL		SILTY CLAY: brown, damp, low plasticity, stiff; abundant coarse grained sand.			
11, 7, 9		16-22		GC		CLAYEY GRAVEL: lens.			
6, 10, 11		22-26	2" sch. 40 PVC 0.020" Slot	CL		SILTY CLAY: brown, wet, medium plasticity, stiff; abundant coarse grained sand.			
		26-28		SC		CLAYEY SAND: light brown, wet, medium dense.			
5, 7, 9		28-30	End Cap	CL		SILTY CLAY: light brown, damp, medium plasticity, stiff; occasional coarse grained sand and black rootlets.			
BORING TERMINATED AT 31.5 FEET BELOW GRADE.									

**ALTON GEOSCIENCE
LOG OF EXPLORATORY
BORING**



PROJECT NO. 30-0248 DATE DRILLED 9/11/91
 CLIENT BP Oil Co., Service Station No. 30-0248
 LOCATION 4280 Foothill Blvd., Oakland, CA
 LOGGED BY B. Nagle APPROVED BY _____

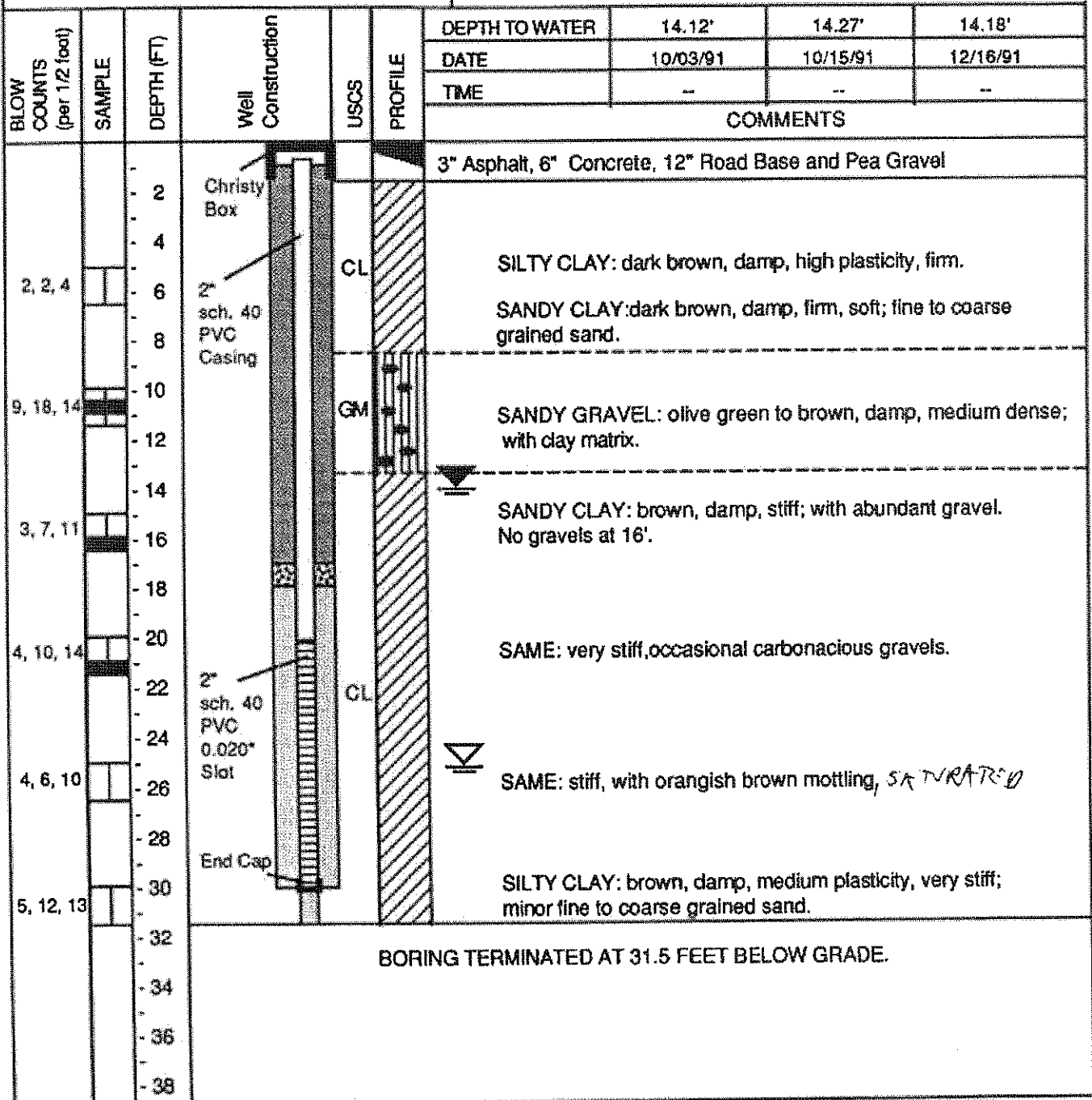
BORING NO. MW-9
 WELL NO. MW-9
 Page 1 of 1

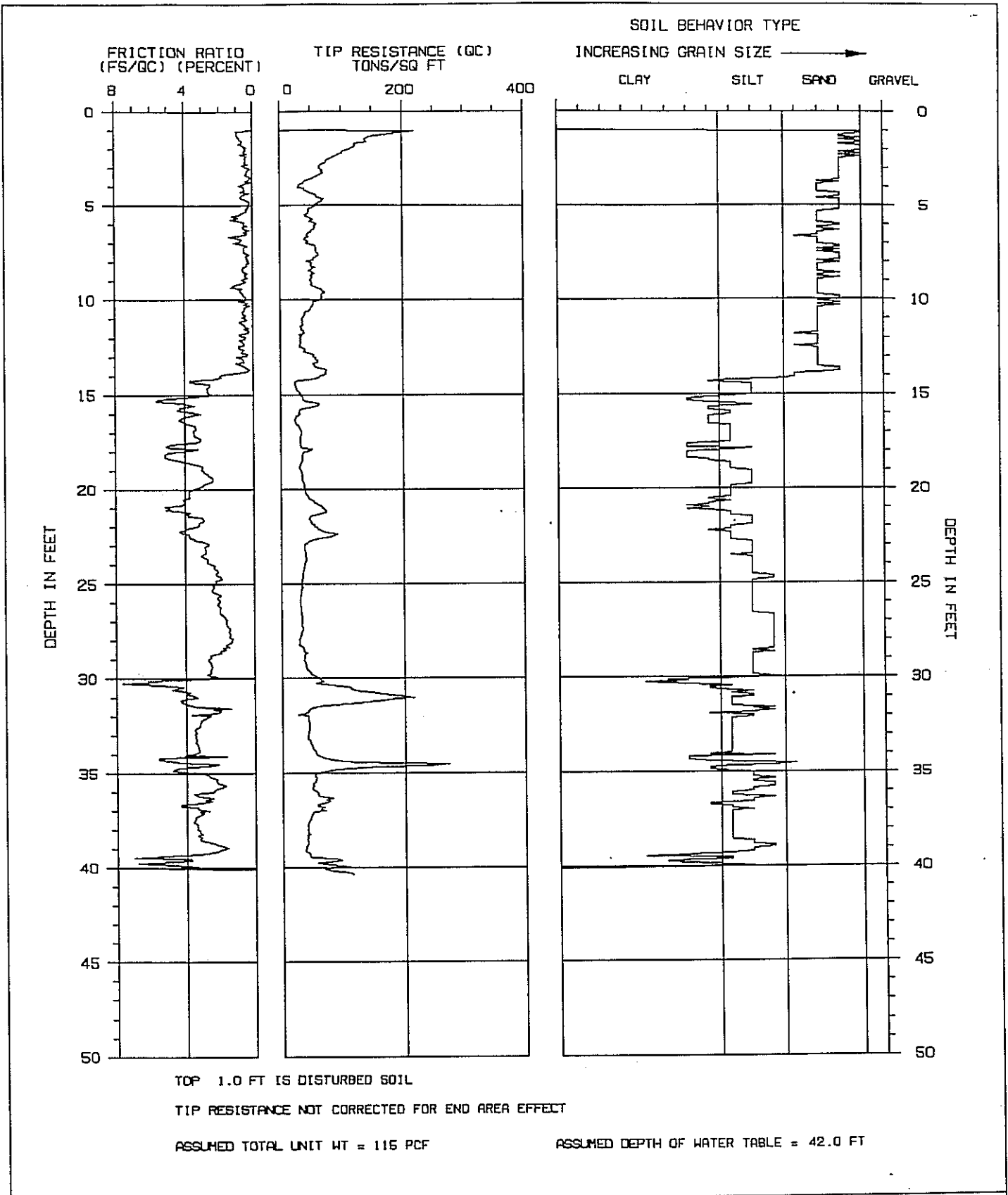
FIELD SKETCH OF BORING LOCATION

(SEE SITE PLAN)

TOP OF CASING ELEVATION _____

DRILLING METHOD C.M.E. 55, HSA HOLE DIAM. 8"
 SAMPLER TYPE California Modified Split-Spoon Sampler
 CASING DATA 2" diameter, Schedule 40 PVC, 20' blank, 10' slotted
 DRILLER Soils Exploration

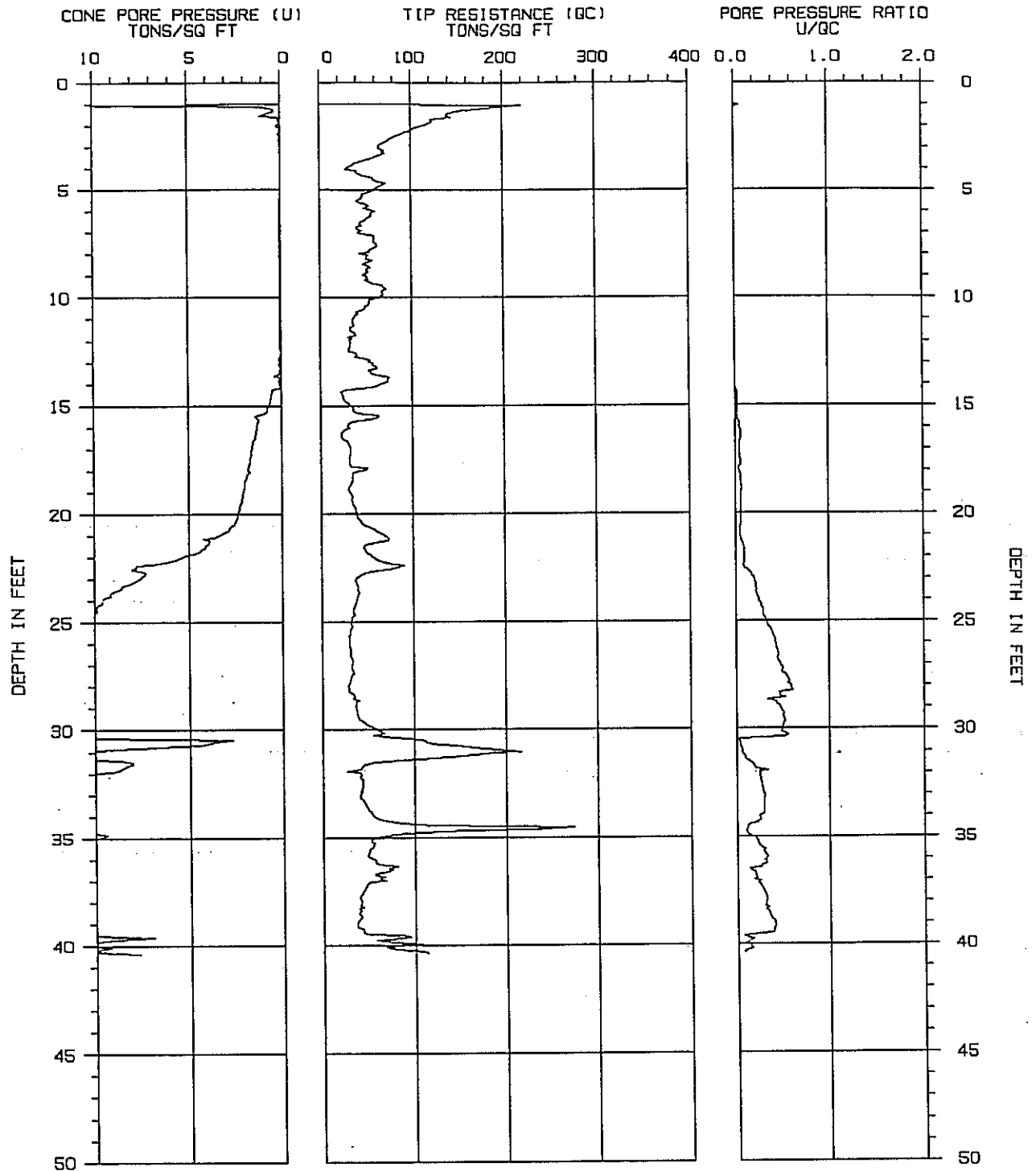




CONE PENETRATION TEST SOUNDING NUMBER: 11109-SB1

PROJECT NAME : EMCON/TOSCO CONE/RIG : 472/RIG#3
PROJECT NUMBER : 95-381-09301 DATE/TIME: 10-19-94 12:07





TOP 1.0 FT IS DISTURBED SOIL

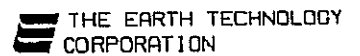
TIP RESISTANCE NOT CORRECTED FOR END AREA EFFECT

CONE PENETRATION TEST

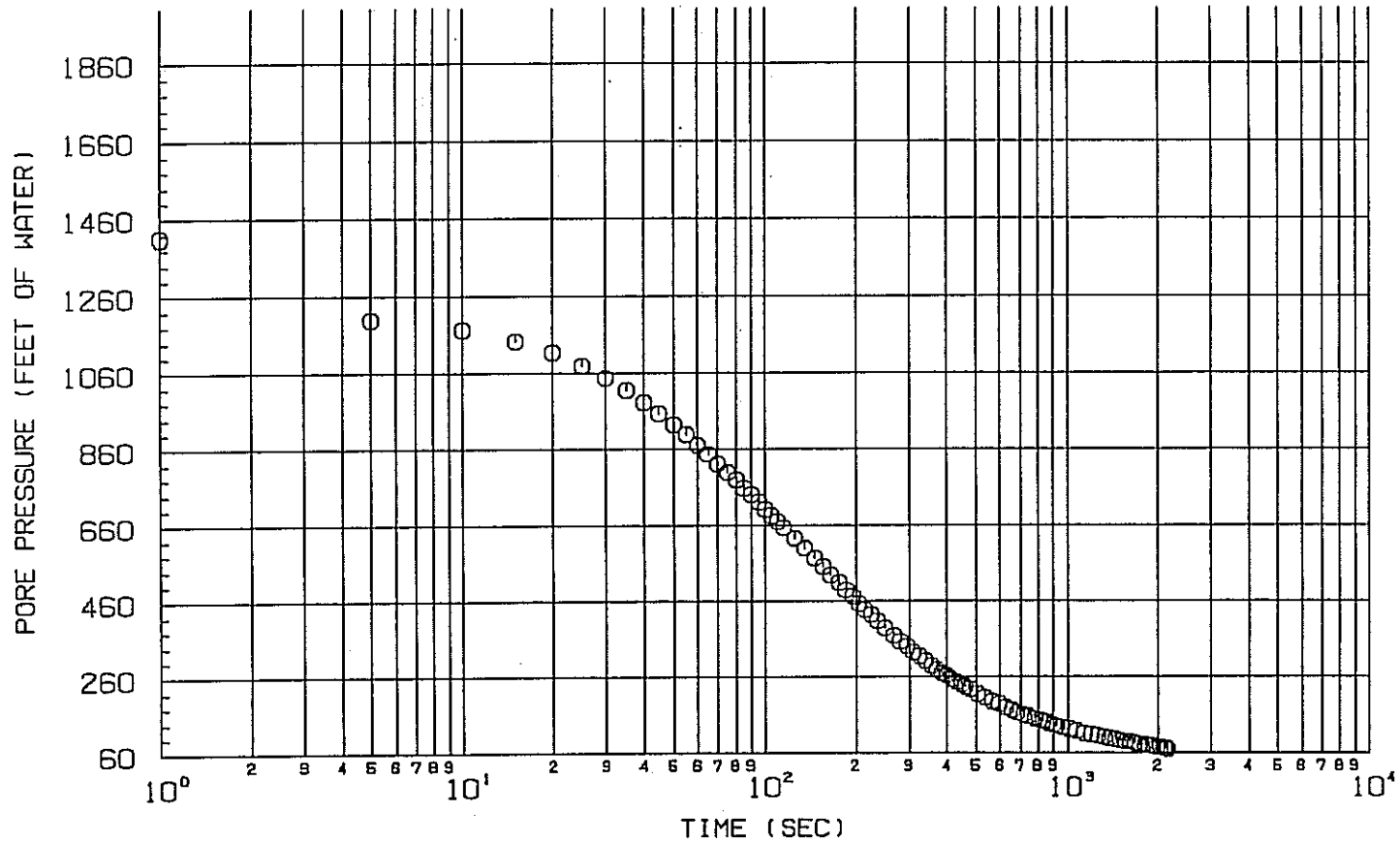
SOUNDING NUMBER: 11109-SB1

PROJECT NAME : EMCON/TOSCO
 PROJECT NUMBER : 95-381-09301

CONE/RIG : 472/RIG#3
 DATE/TIME: 10-19-94 12:07



PORE PRESSURE DISSIPATION CURVES



DEPTH: 30.3 FT

TIP-SENSING PIEZOMETRIC CPT

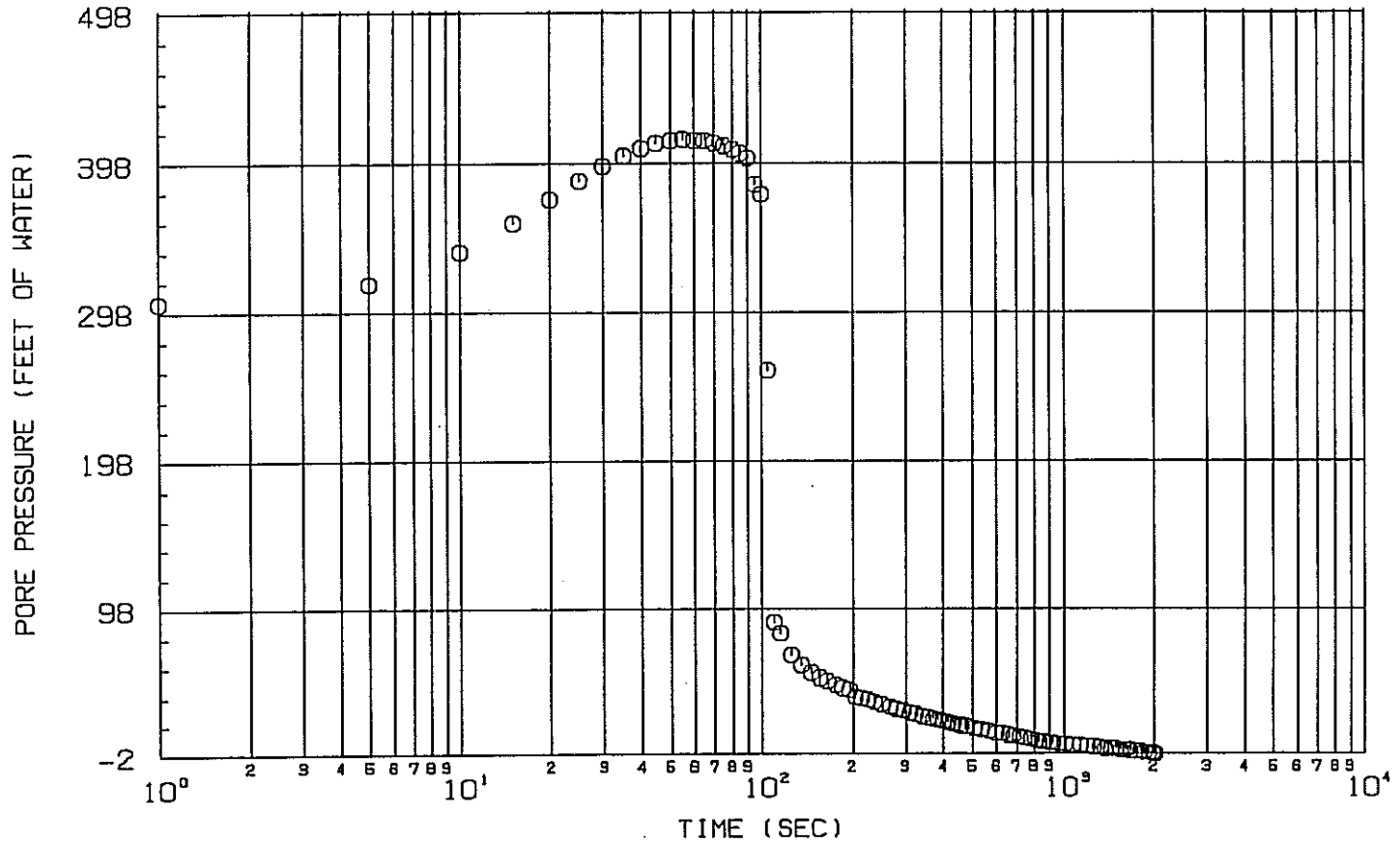
SOUNDING NUMBER: 11109-SB1

PROJECT NAME : EMCON/TOSCO
 PROJECT NUMBER : 95-381-09301

CONE/RIG : 472/RIG#3
 DATE/TIME: 10-19-94 12:07



PORE PRESSURE DISSIPATION CURVES



DEPTH: ○ 40.4 FT

TIP-SENSING PIEZOMETRIC CPT

SOUNDING NUMBER: 11109-SB1

PROJECT NAME : EMCON/TDSCD
PROJECT NUMBER : 95-381-09301

CONE/RIG : 472/RIG#3
DATE/TIME: 10-19-94 12:07



 *
 *
 *
 * **CONE PENETRATION TEST** *
 *
 * SOUNDING : 11109-SB1 PROJECT No.: 95-381-09301 *
 * PROJECT : EMCON/TOSCO CONE/RIG : 472/RIG#3 *
 * DATE/TIME: 10-19-94 12:07 *
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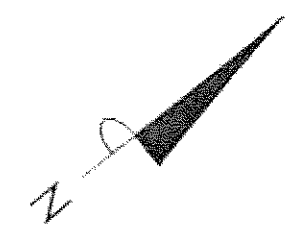
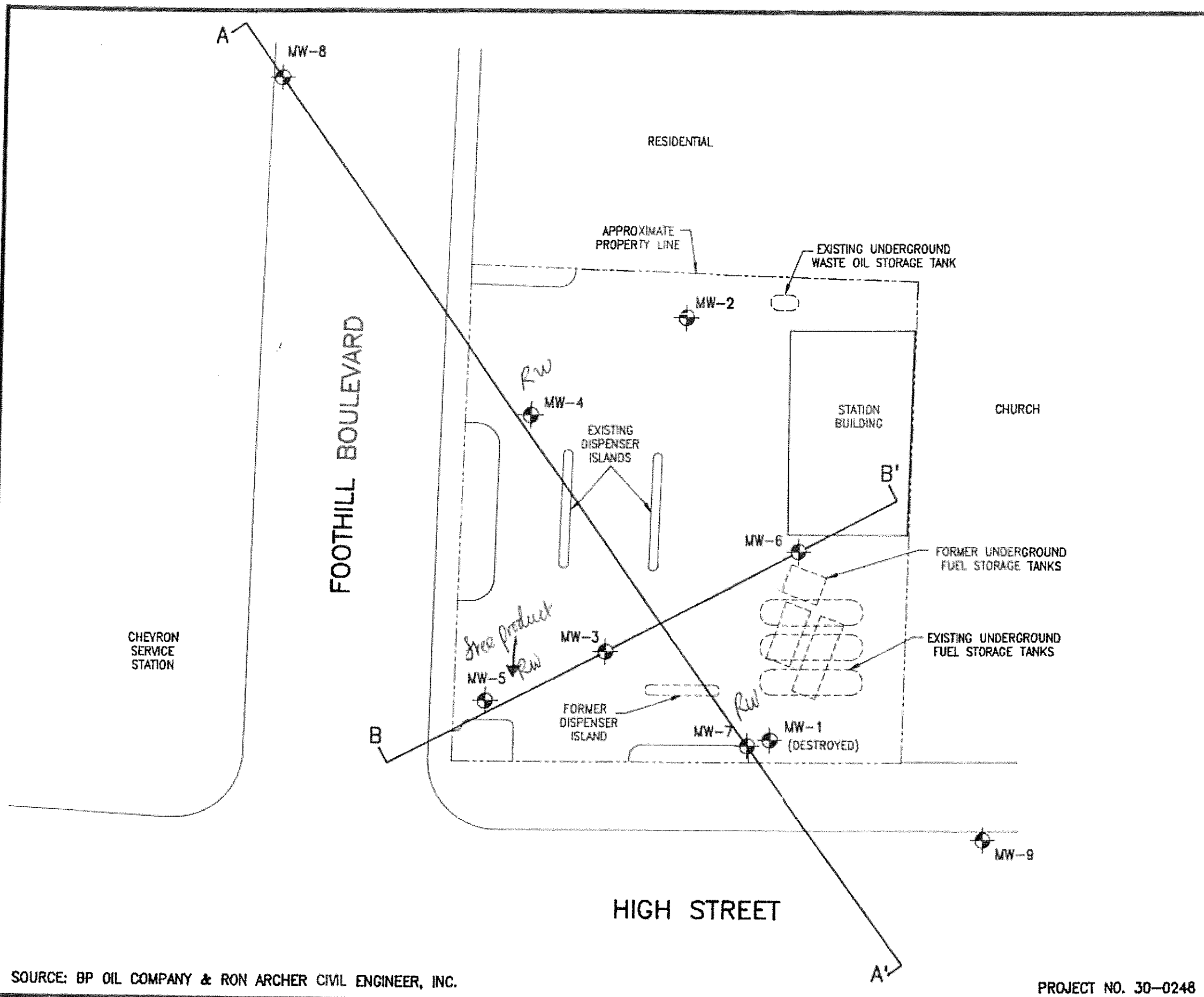
DEPTH (ft)	TIP RESISTANCE (tsf)	NORMALIZED TIP RESISTANCE (tsf)	FRICTION RATIO (%)	CONE PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE
.49	.0	.0	.00	.00	
.98	.0	.0	.00	.00	
1.48	137.8	285.4	.77	.84	SAND to SILTY SAND
1.97	117.8	229.3	.51	.16	SANDY GRAVEL to SAND
2.46	84.8	156.8	.43	.03	SAND to SILTY SAND
2.95	64.3	113.8	.44	-.04	SAND to SILTY SAND
3.44	62.1	105.8	.31	.01	SAND to SILTY SAND
3.94	30.6	50.4	.79	.02	SAND to SILTY SAND
4.43	58.3	92.9	.56	.02	SAND to SILTY SAND
4.92	58.6	90.8	.25	.03	SAND to SILTY SAND
5.41	45.0	67.9	.66	.03	SAND to SILTY SAND
5.91	54.1	79.5	.50	.03	SAND to SILTY SAND
6.40	49.1	70.5	.53	.03	SAND to SILTY SAND
6.89	46.4	65.1	.69	.03	SAND to SILTY SAND
7.38	58.4	80.1	.48	.03	SAND to SILTY SAND
7.87	53.9	72.4	.26	.03	SAND to SILTY SAND
8.37	51.3	67.7	.62	.04	SAND to SILTY SAND
8.86	51.5	66.6	.33	.04	SAND to SILTY SAND
9.35	59.4	75.4	1.29	.04	SAND to SILTY SAND
9.84	69.3	86.5	.50	.04	SAND to SILTY SAND
10.33	52.4	64.2	.25	.04	SAND to SILTY SAND
10.83	38.0	45.9	.44	.04	SAND to SILTY SAND
11.32	36.4	43.2	.54	.04	SAND to SILTY SAND
11.81	30.8	35.9	.83	.04	SILTY SAND to SANDY SILT
12.30	31.8	36.6	.58	.05	SAND to SILTY SAND
12.80	44.9	50.9	.74	.08	SAND to SILTY SAND
13.29	60.3	67.4	.54	.08	SAND to SILTY SAND
13.78	73.2	80.6	.32	.12	SAND to SILTY SAND
14.27	29.6	32.2	3.71	.47	SANDY SILT to CLAYEY SILT
14.76	27.0	28.9	2.70	.61	SANDY SILT to CLAYEY SILT
15.26	36.1	38.1	5.55	.79	*SANDY CLAY to SILTY CLAY
15.75	35.6	37.1	4.29	1.29	CLAYEY SILT to SILTY CLAY
16.24	22.7	23.4	4.21	1.40	CLAYEY SILT to SILTY CLAY
16.73	30.3	30.8	3.40	1.55	SANDY SILT to CLAYEY SILT
17.22	32.1	32.2	3.29	1.65	SANDY SILT to CLAYEY SILT
17.72	32.5	32.3	5.08	1.77	*SANDY CLAY to SILTY CLAY
18.21	34.7	34.0	5.19	1.88	*SANDY CLAY to SILTY CLAY
18.70	31.2	30.2	3.23	1.99	SANDY SILT to CLAYEY SILT
19.19	34.5	33.0	2.74	2.12	SANDY SILT to CLAYEY SILT
19.69	37.2	35.2	2.77	2.27	SANDY SILT to CLAYEY SILT
20.18	40.6	38.0	3.77	2.40	SANDY SILT to CLAYEY SILT

TOP 1.0 FT IS DISTURBED SOIL
 *INDICATES OVERCONSOLIDATED OR CEMENTED MATERIAL
 ASSUMED TOTAL UNIT WT = 115 PCF
 ASSUMED DEPTH OF WATER TABLE = 42.0 FT

SOUNDING : 11109-SB1

DEPTH (ft)	TIP RESISTANCE (tsf)	NORMALIZED TIP RESISTANCE (tsf)	FRICTION RATIO (%)	CONE PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE
20.67	54.5	50.4	4.00	2.81	*CLAYEY SAND to SANDY CLAY
21.16	73.8	67.5	4.44	4.23	*SANDY CLAY to SILTY CLAY
21.65	47.7	43.1	2.93	4.29	SANDY SILT to CLAYEY SILT
22.15	61.3	54.9	3.96	5.77	*CLAYEY SAND to SANDY CLAY
22.64	62.0	54.9	3.51	7.62	SANDY SILT to CLAYEY SILT
23.13	37.9	33.2	2.91	7.85	SANDY SILT to CLAYEY SILT
23.62	41.2	35.7	2.91	9.01	SANDY SILT to CLAYEY SILT
24.11	37.3	32.0	2.34	9.60	SANDY SILT to CLAYEY SILT
24.61	35.5	30.1	2.06	10.20	SILTY SAND to SANDY SILT
25.10	31.3	26.3	2.49	10.39	SANDY SILT to CLAYEY SILT
25.59	30.9	25.7	1.99	12.16	SANDY SILT to CLAYEY SILT
26.08	30.1	24.8	2.18	13.13	SANDY SILT to CLAYEY SILT
26.57	32.0	26.1	2.03	14.60	SANDY SILT to CLAYEY SILT
27.07	33.0	26.7	1.64	15.89	SILTY SAND to SANDY SILT
27.56	31.9	25.5	1.50	17.35	SILTY SAND to SANDY SILT
28.05	28.9	22.9	1.34	17.00	SILTY SAND to SANDY SILT
28.54	34.1	26.8	2.03	17.82	SANDY SILT to CLAYEY SILT
29.04	37.1	28.8	2.73	17.94	SANDY SILT to CLAYEY SILT
29.53	41.4	31.9	2.58	21.41	SANDY SILT to CLAYEY SILT
30.02	61.7	47.1	2.91	30.43	SANDY SILT to CLAYEY SILT
30.51	112.3	84.9	4.39	3.27	*SANDY CLAY to SILTY CLAY
31.00	215.2	161.2	3.37	11.71	*CLAYEY SAND to SANDY CLAY
31.50	56.6	42.0	3.46	7.95	SANDY SILT to CLAYEY SILT
31.99	42.0	30.9	2.61	10.19	SANDY SILT to CLAYEY SILT
32.48	43.5	31.7	3.23	11.51	SANDY SILT to CLAYEY SILT
32.97	41.8	30.2	3.50	12.18	SANDY SILT to CLAYEY SILT
33.46	46.6	33.4	3.35	13.61	SANDY SILT to CLAYEY SILT
33.96	55.2	39.2	3.51	15.82	SANDY SILT to CLAYEY SILT
34.45	120.6	84.8	4.35	16.97	*CLAYEY SAND to SANDY CLAY
34.94	64.2	44.8	3.87	9.56	SANDY SILT to CLAYEY SILT
35.43	54.4	37.6	2.33	13.44	SANDY SILT to CLAYEY SILT
35.93	50.5	34.6	2.48	16.51	SANDY SILT to CLAYEY SILT
36.42	71.0	48.2	2.93	17.65	SANDY SILT to CLAYEY SILT
36.91	60.9	41.0	3.36	13.34	SANDY SILT to CLAYEY SILT
37.40	44.6	29.8	3.45	11.91	SANDY SILT to CLAYEY SILT
37.89	41.0	27.1	3.35	12.83	SANDY SILT to CLAYEY SILT
38.39	41.4	27.2	3.18	12.73	SANDY SILT to CLAYEY SILT
38.88	38.0	24.7	1.90	14.64	SILTY SAND to SANDY SILT
39.37	43.8	28.3	5.33	17.31	*SANDY CLAY to SILTY CLAY
39.86	77.3	49.4	4.76	10.12	*SANDY CLAY to SILTY CLAY

*INDICATES OVERCONSOLIDATED OR CEMENTED MATERIAL
 ASSUMED TOTAL UNIT WT = 115 PCF
 ASSUMED DEPTH OF WATER TABLE = 42.0 FT



APPROXIMATE SCALE IN FEET

LEGEND:



-  GROUND WATER MONITORING WELL
-  LINE OF HYDROGEOLOGIC CROSS SECTION

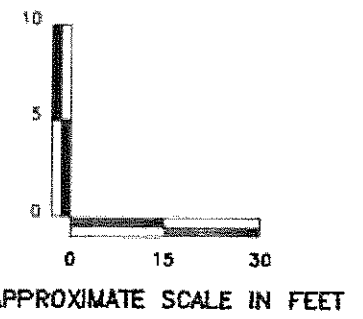
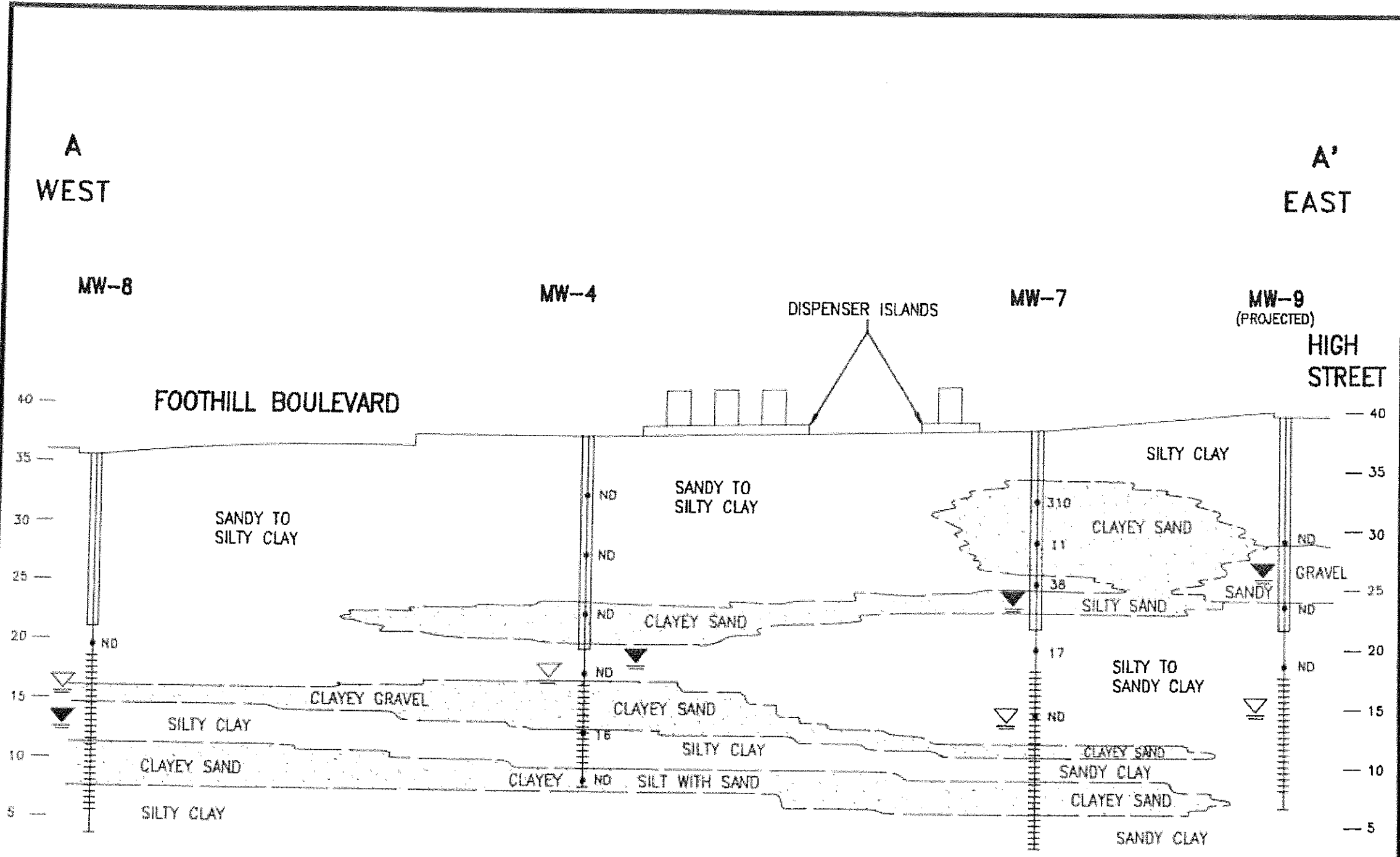
FIGURE 2: SITE PLAN

BP OIL COMPANY
 SERVICE STATION NO. 11109
 4280 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

 **ALTON GEOSCIENCE**
 Pleasanton, California

SOURCE: BP OIL COMPANY & RON ARCHER CIVIL ENGINEER, INC.

PROJECT NO. 30-0248



- LEGEND:**
- GROUND WATER MONITORING WELL SHOWING SEAL AND SLOTTING
 - GEOLOGIC CONTACT
 - WATER LEVEL ENCOUNTERED DURING DRILLING
 - STABILIZED WATER LEVEL ON OCTOBER 3, 1991
 - SOIL SAMPLE LOCATION AND TOTAL PETROLEUM HYDROCARBONS AS GASOLINE CONCENTRATIONS IN PARTS PER MILLION
 - ND NOT DETECTED AT OR ABOVE LABORATORY DETECTION LIMITS

FIGURE 3: HYDROGEOLOGIC CROSS SECTION A-A'

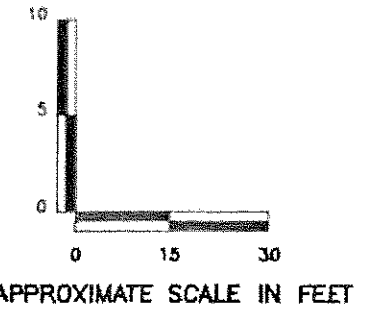
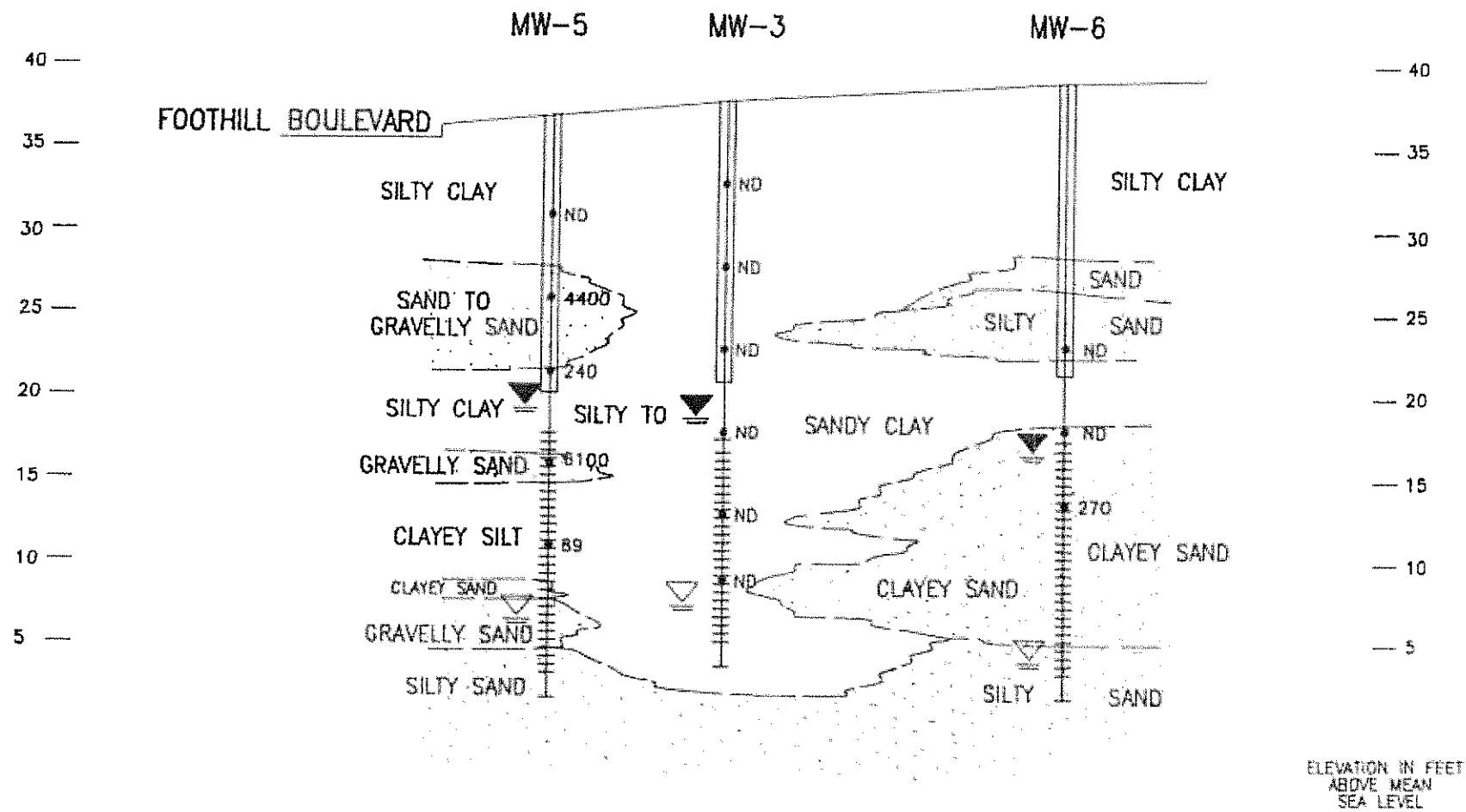
BP OIL COMPANY
 SERVICE STATION NO. 11109
 4280 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA



PROJECT NO. 30-0248

B
SOUTH

B'
NORTH



LEGEND:







-  GROUND WATER MONITORING WELL SHOWING SEAL AND SLOTTING
-  GEOLOGIC CONTACT
-  WATER LEVEL ENCOUNTERED DURING DRILLING
-  STABILIZED WATER LEVEL ON OCTOBER 3, 1991
-  SOIL SAMPLE LOCATION AND TOTAL PETROLEUM HYDROCARBONS AS GASOLINE CONCENTRATIONS IN PARTS PER MILLION
-  NOT DETECTED AT OR ABOVE LABORATORY DETECTION LIMITS

FIGURE 4: HYDROGEOLOGIC CROSS SECTION B-B'

BP OIL COMPANY
SERVICE STATION NO. 11109
4280 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA



ALTON GEOSCIENCE
Pleasanton, California

PROJECT NO. 30-0248

RECEIVED

LOCATION MAP C-1

ELEVATION 98.24' (project)

PACIFIC ENVIRONMENTAL GROUP, INC.

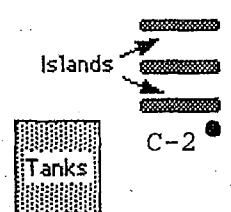
WELL / BORING NO. C-1
PAGE 1 OF 1

PROJECT NO. 120-57.01
 LOGGED BY: E.G.
 DRILLED BY: BAYLAND
 DRILLING METHOD: HSA
 SAMPLING METHOD: CAL. MOD.
 CASING TYPE: SCH. 40 PVC
 SLOT SIZE: 0.020
 GRAVEL PACK: CA

CLIENT: G.R. CHEYRON USA
 DATE DRILLED: 8-13-87
 LOCATION: HIGH AND FOOTHILL
 HOLE DIAMETER: 8"
 HOLE DEPTH: 40-1/2"
 WELL DEPTH: 40"
 WELL DIAMETER: 3"

C-A attached at back of report

WELL COMPLETION	MOISTURE CONTENT	PENETRATION RESISTANCE (BLOW/FT)	DEPTH (feet)	SAMPLE GRAPHIC	SOIL TYPE	LITHOLOGY/REMARKS
	Dp		2		CL	ASPHALT AND BASEROCK.
			4		CL	CLAY; fill; black; silty; 0-10% fine to coarse sand; disturbed; soft; no product odor.
	Dp	24	6			CLAY; olive; silty; 0-10% fine to medium sand; red to black; FeO stained.
	Dp-Mst	28	8			@ 7': 20-30% fine to coarse sand; trace caliche; occasional pores; FeO mottled; stiff; trace fine to coarse gravel; no product odor.
			10		SC	CLAYEY SAND; yellowish brown; 15-25% fines; fine to coarse grained; 0-10% fine to coarse gravel; sub-rounded; no product odor.
	Mst	40	12			
			14		CL	CLAY; olive to strong brown; 10-20% fine to medium sand; trace coarse sand; FeO stains; very stiff; wet in root holes; no product odor.
	Mst-Wt	49	16			@ 19': 20-30% fine sand intermittently; moderate plasticity; no product odor.
			18			
	Mst-Wt	56	20			@ 24': 20-30% fine to coarse sand; trace fine gravel; very stiff; moderate plasticity; no product odor.
			22			
	Mst-Wt	62	24			@ 29': light gray; 0-10% fine sand; moderate plasticity; caliche mottle; very stiff; no product odor.
			26			
	Mst		28			
			30			
	Wt	68	32		SP-SC	SAND TO CLAYEY SAND; olive to brown; 5-20% fines; fine to coarse grained; 10-25% fine to medium gravel; very dense; faint product odor.
			34			
	Wt	70	36			
			38			
			40		CL	CLAY; strong brown; as above; 20-30% fine sand to coarse gravel; stiff; no product odor. Bottom of boring at 40-1/2'

LOCATION MAP  ELEVATION 97.97' (project)	PACIFIC ENVIRONMENTAL GROUP, INC. PROJECT NO. 120-57.01 LOGGED BY: E.G. DRILLED BY: BAYLAND DRILLING METHOD: HSA SAMPLING METHOD: CAL. MOD. CASING TYPE: SCH. 40 PVC SLOT SIZE: 0.020 GRAVEL PACK: CA	WELL / C-2 BORING NO. PAGE 1 OF 1 CLIENT: G.R. CHEYRON USA DATE DRILLED: 8-13-87 LOCATION: HIGH AND FOOTHILL HOLE DIAMETER: 8" HOLE DEPTH: 40-1/2' WELL DEPTH: 40' WELL DIAMETER: 3"
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WELL COMPLETION	MOISTURE CONTENT	PENETRATION RESISTANCE (BLOW/FT)	DEPTH (feet)	SAMPLE GRAPHIC	SOIL TYPE	LITHOLOGY/REMARKS
			2		CL	ASPHALT AND BASEROCK.
		22	4	[Sample Graphic]	CL	CLAY FILL; black; abundant root fragments; silty; 0-10% fine sand; soft; faint product odor.
	Dp		6			CLAY; gray; 5-15% fine to coarse sand; moderate plasticity; silty; trace fine gravel; stiff; no product odor.
			8		CL-GC	
	Dp-Mst	42	10	[Sample Graphic]	GC	CLAY TO CLAYEY GRAVEL; strong brown; 30-60% fine to coarse sand and gravel; FeO mottled; sub-rounded to sub-angular; very stiff; strong product odor.
			12			
		50	14	[Sample Graphic]	CL	CLAY; Yellowish brown; silty; moderate plasticity; occasional root fragments; FeO mottled; very stiff; 10-20% fine to medium sand; no product odor.
	Mst -Wt		16			
		not rec.	18			
	Mst -Wt		20	[Sample Graphic]		
			22			
		70	24	[Sample Graphic]		@ 24': contains up to 25% fine to coarse sand and fine gravel; faint product odor.
	Mst -Wt		26			
			28			
	Wt	42	30	[Sample Graphic]		@ 29': Strong product odor.
			32			
		24	34	[Sample Graphic]	SC	CLAYEY SAND; dark yellowish brown; 15-20% fines; fine to medium grained; medium dense; no product odor.
	Wt		36			
			38			
		57	40	[Sample Graphic]	CL	CLAY; dark yellowish brown; 15-30% fine to coarse sand; silty; 10-15% fine to medium gravel; very stiff; no product odor.
	Wt					Bottom of Boring at 40-1/2'

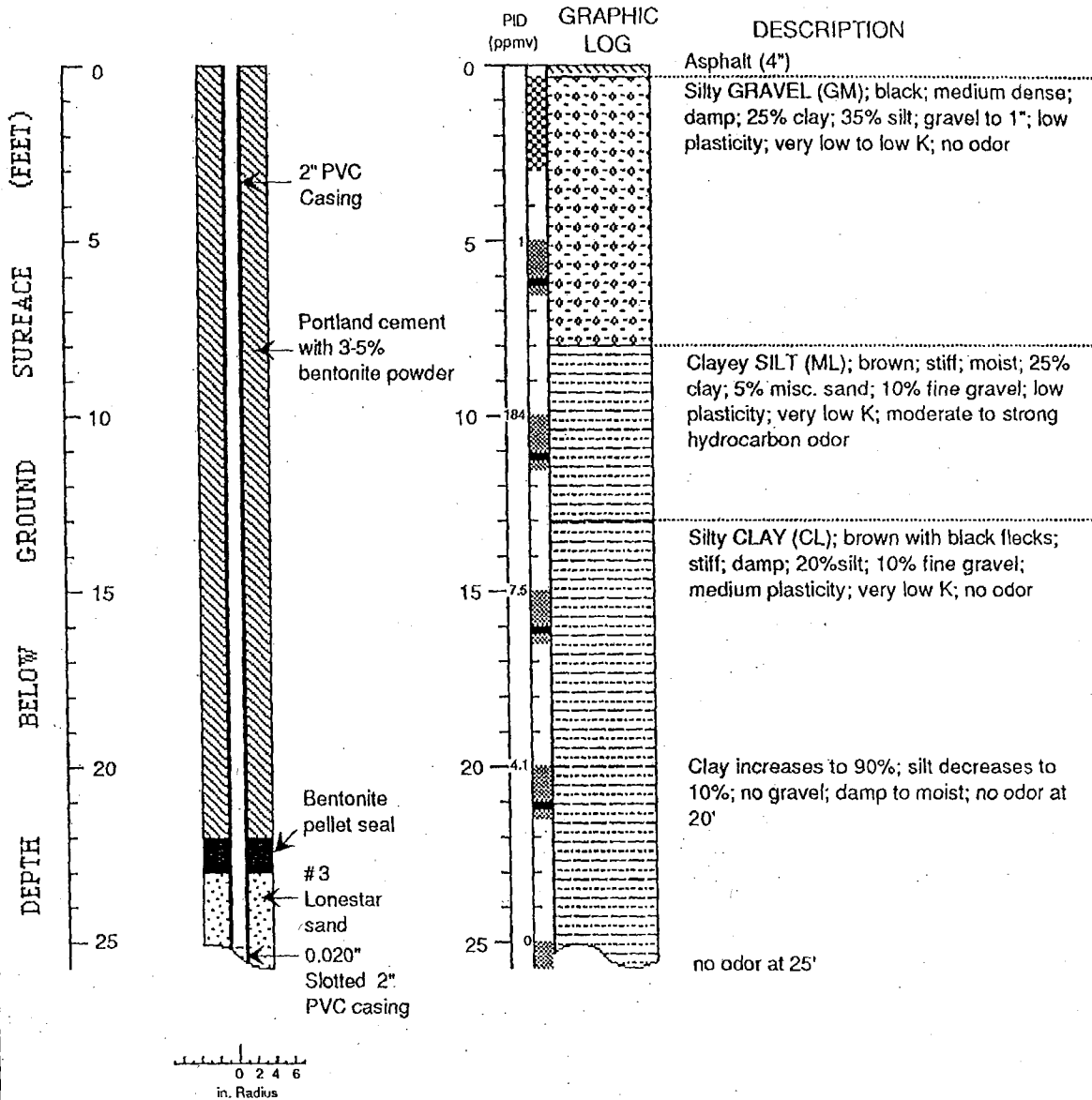
<p>LOCATION MAP</p> <p style="text-align: right;">High St.</p>	<p>PACIFIC ENVIRONMENTAL GROUP, INC.</p> <p>PROJECT NO. 120-57.01 LOGGED BY: E.G. DRILLED BY: BAYLAND DRILLING METHOD: HSA SAMPLING METHOD: CAL. MOD. CASING TYPE: SCH. 40 PVC SLOT SIZE: 0.020 GRAVEL PACK: CA</p>	<p>WELL / BORING NO. C-3 PAGE 1 OF 1</p> <p>CLIENT: G.R. CHEVRON USA DATE DRILLED: 8-13-87 LOCATION: HIGH AND FOOTHILL HOLE DIAMETER: 8" HOLE DEPTH: 40-1/2' WELL DEPTH: 40' WELL DIAMETER: 3"</p>
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WELL COMPLETION	MOISTURE CONTENT	PENETRATION RESISTANCE (BLOW/FT)	DEPTH (feet)	SAMPLE GRAPHIC	SOIL TYPE	LITHOLOGY/REMARKS
			2		CL	ASPHALT AND BASEROCK.
			4		CL	CLAY FILL; olive to black; 0-10% fine sand; silty; soft; no product odor.
Dp		P	6			CLAY; olive; 5-10% fine to coarse sand; slightly silty; stiff; no product odor.
			8			
Dp		79	10			@ 9': yellowish brown; 30-40% fine sand to medium gravel; stiff; faint product odor.
			12			
Dp		36	14			@ 14': yellowish brown; 5-10% fine to medium sand; FeO mottled; trace root fragments; moderate plasticity; no product odor.
			16			
Dp		38	18			@ 19': no product odor.
			20			
Dp		46	22			@ 24': no product odor.
			24			
			26			
			28			
Wt		59	30		GC	CLAYEY GRAVEL; yellowish brown; 20-30% fines; 20% fine to coarse sand; fine to coarse grained; FeO stained; very stiff; no product odor.
			32			
Wt		25	34		CL	CLAY; olive to yellowish brown; moderate plasticity; FeO stained; 0-5% fine to coarse sand; very stiff; no product odor.
			36			
			38			
Wt		70	40			Bottom of Boring at 40-1/2'

<p>LOCATION MAP</p> <p>ELEVATION 96.28' (project)</p>	<p>PACIFIC ENVIRONMENTAL GROUP, INC.</p> <p>PROJECT NO. 120-57.01 LOGGED BY: E.G. DRILLED BY: BAYLAND DRILLING METHOD: HSA SAMPLING METHOD: CAL. MOD. CASING TYPE: SCH. 40 PYC SLOT SIZE: 0.020 GRAVEL PACK: CA</p>	<p>WELL / BORING NO. C-4 PAGE 1 OF 1</p> <p>CLIENT: G.R. CHEYRON USA DATE DRILLED: 8-13-87 LOCATION: HIGH AND FOOTHILL HOLE DIAMETER: 8" HOLE DEPTH: 40-1/2' WELL DEPTH: 40' WELL DIAMETER: 3"</p>
--	---	---

WELL COMPLETION	MOISTURE CONTENT	PENETRATION RESISTANCE (BLOW/FT)	DEPTH (feet)	SAMPLE GRAPHIC	SOIL TYPE	LITHOLOGY/REMARKS
			2		CL	ASPHALT AND BASEROCK.
		P	4		CL	CLAY; fill; black; silty; 0-10% fine sand; no product odor.
	Dp		6			
			8			
	Dp	39	10		SC	CLAYEY SAND; yellowish brown; 20-40% fines; fine to medium grained; FeD stained; trace root fragments; hard; strong product odor.
			12			
	Dp	37	14		CL	CLAY; strong brown; slightly silty; moderate plasticity; 10-30% fine sand to medium gravel; hard; no product odor.
			16			
	Dp	49	20			@ 19': no product odor.
			22			
	Dp	N/A	24			@ 24': decrease sand; no product odor.
			26			
			28			
	Mst -Wt	41	30			@ 29': olive; 0-10% fine to medium sand; hard; no product odor.
			32			
	Mst -Wt	80	34			@ 34': yellowish brown; 20-25% fine to medium sand; silty; hard; no product odor.
			36			
			38			
	Mst -Wt	>32	40			@ 39': olive; 0-10% fine to medium sand; slightly silty; hard; no product odor. Bottom of Boring at 40-1/2'

Well C-5 (BH-E)

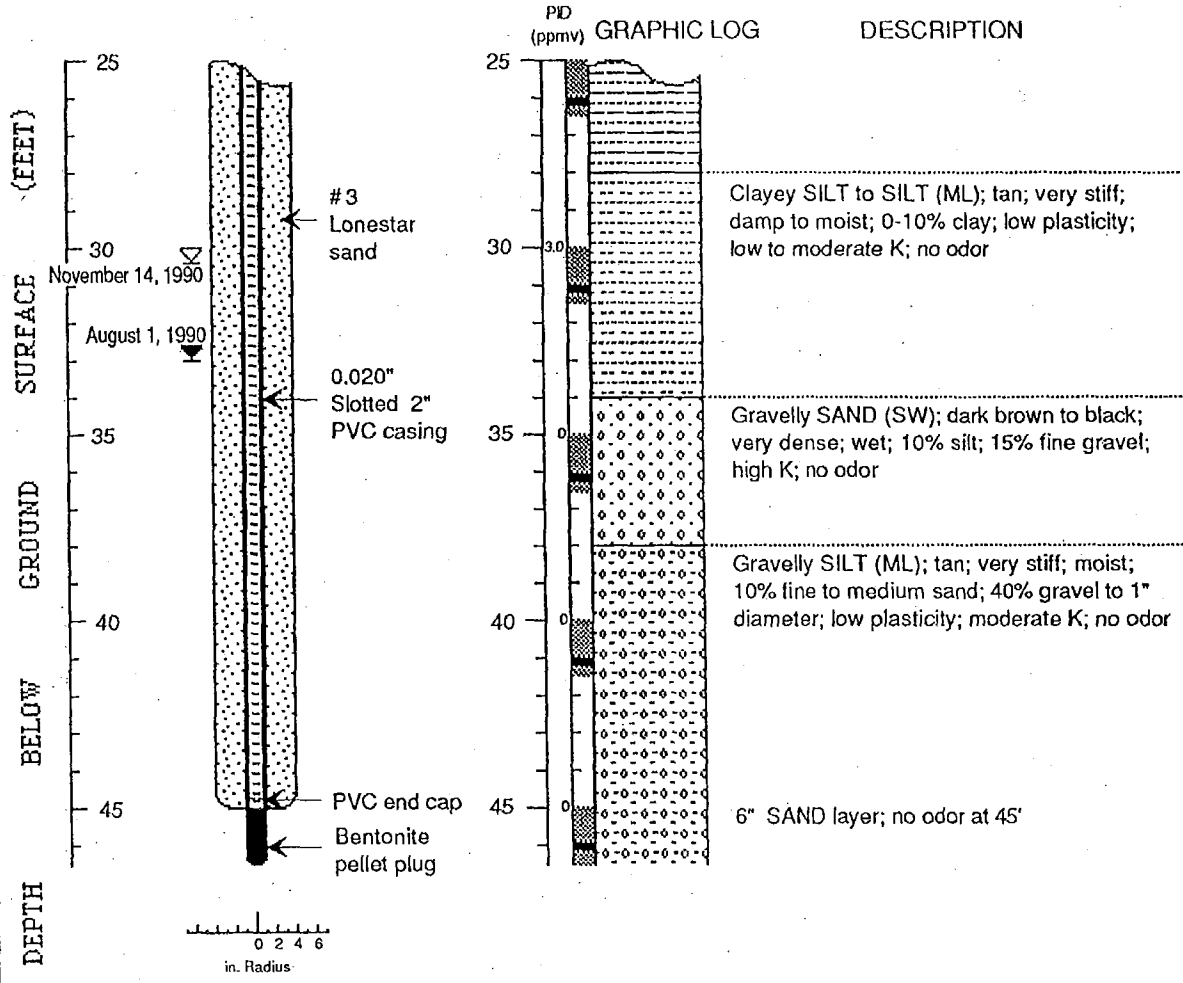


EXPLANATION

- ▼ Water level during drilling (date)
- ▽ Water level (date)
- Contact (dotted where approx.)
- - - - - Uncertain contact
- █ Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- ⊗ Cutting sample
- K = Estimated hydraulic conductivity

Logged by: Robert E. Kitay
 Supervisor: James W. Carmody; RG 4872
 Drilling Company: Soils Exploration Services, Vacaville, CA
 Driller: Russ Ellis
 Drilling Method: Hollow stem auger
 Date Drilled: August 1, 1990
 Well Head Completion: 2" locking well-plug with traffic-rated vault
 Type of sampler: Split barrel (2" ID)
 Ground surface elevation: 35.83 feet above mean sea level

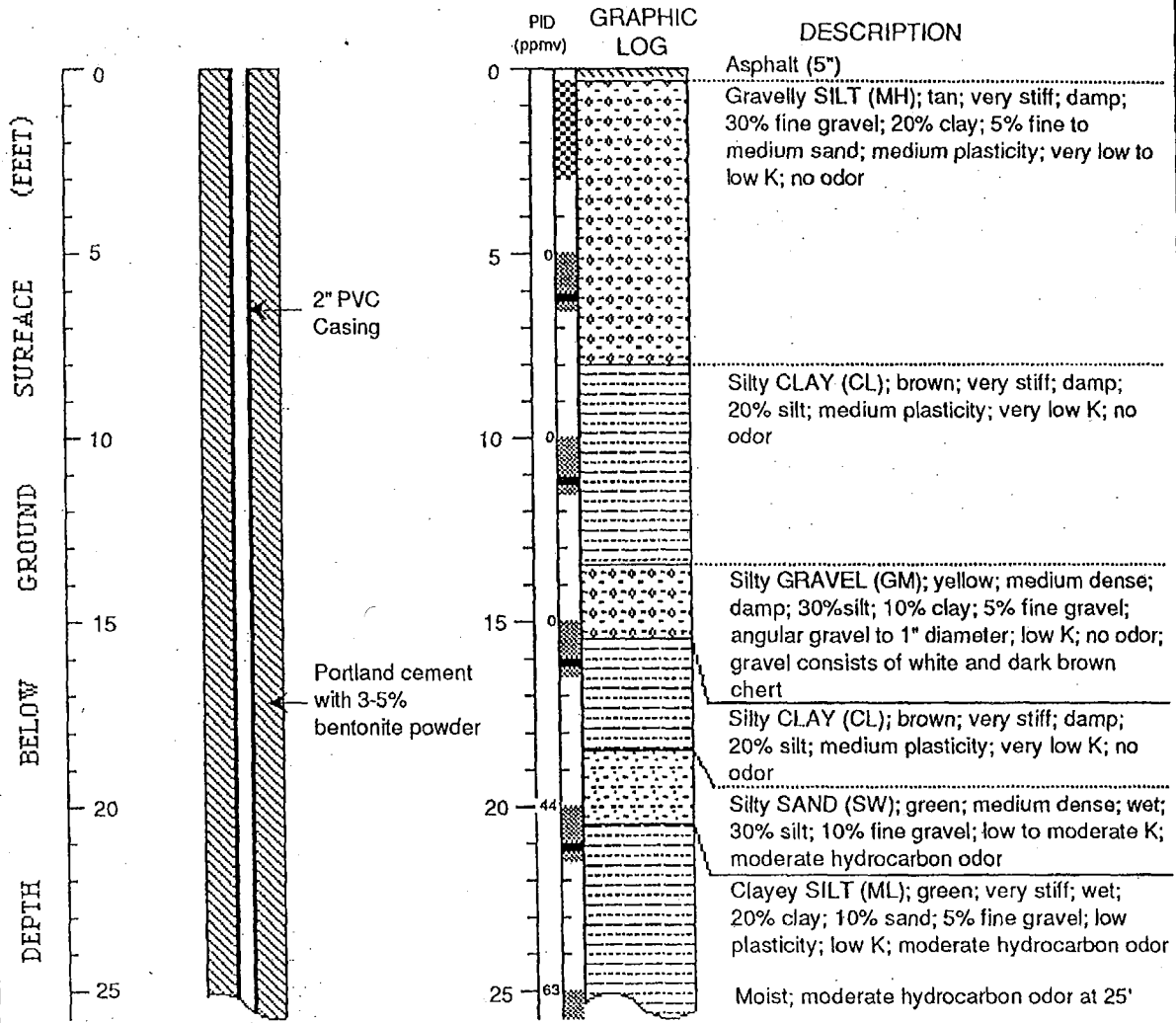
WELL C-5 (BH-E) (cont.)



Well Construction and Boring Log Details - Well C-5 (BH-E)

Chevron Service Station #9-0076
Oakland, California

Well C-6 (BH-F)



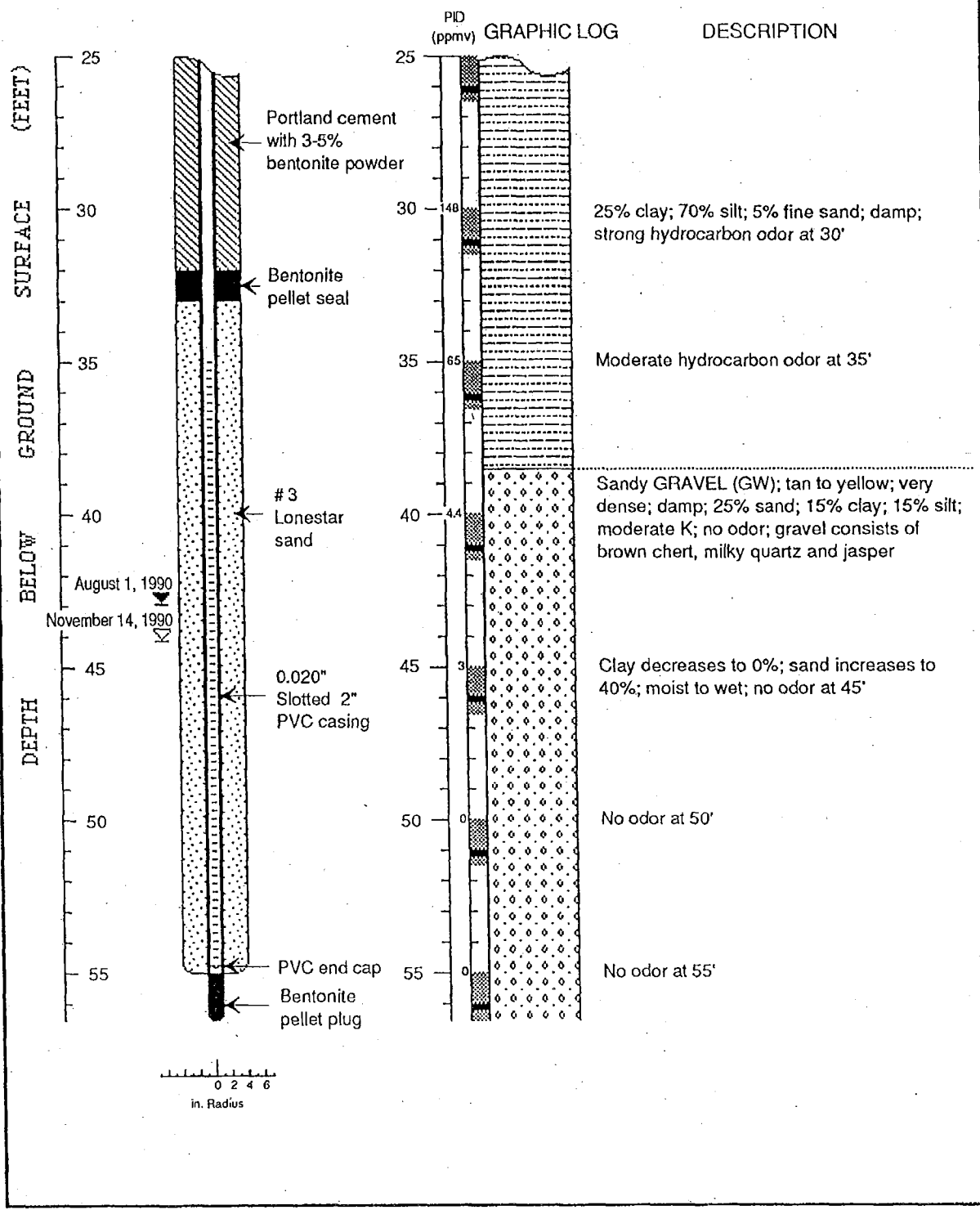
EXPLANATION

- | | |
|---|--|
| <ul style="list-style-type: none"> Water level during drilling (date) Water level (date) Contact (dotted where approx.) Uncertain contact Location of recovered drive sample Location of drive sample sealed for chemical analysis Cutting sample K = Estimated hydraulic conductivity | <ul style="list-style-type: none"> Logged by: Robert E. Kitay Supervisor: James W. Carmody; RG 4872 Drilling Company: Soils Exploration Services, Vacaville, CA Driller: Russ Ellis Drilling Method: Hollow stem auger Date Drilled: August 1, 1990 Well Head Completion: 2" locking well-plug with traffic-rated Type of sampler: vault Ground surface elevation: Split barrel (2" ID) |
|---|--|

Well Construction and Boring Log Details - Well C-6 (BH-F)

Chevron Service Station #9-0076
Oakland, California

WELL C-6 (BH-F) (cont.)

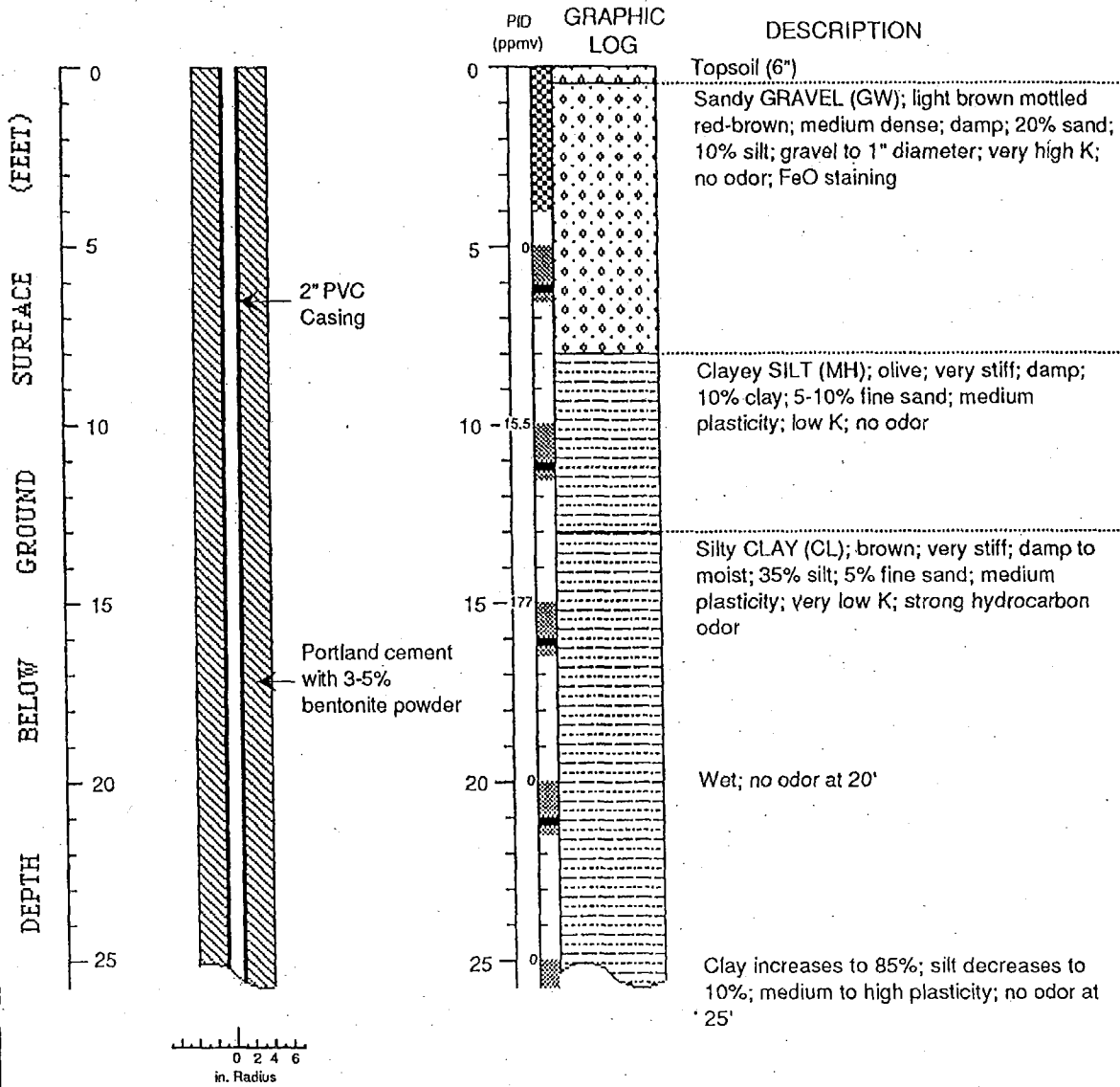


Well Construction and Boring Log Details - Well C-6 (BH-F)

Chevron Service Station #9-0076
Oakland, California



Well C-7 (BH-G)



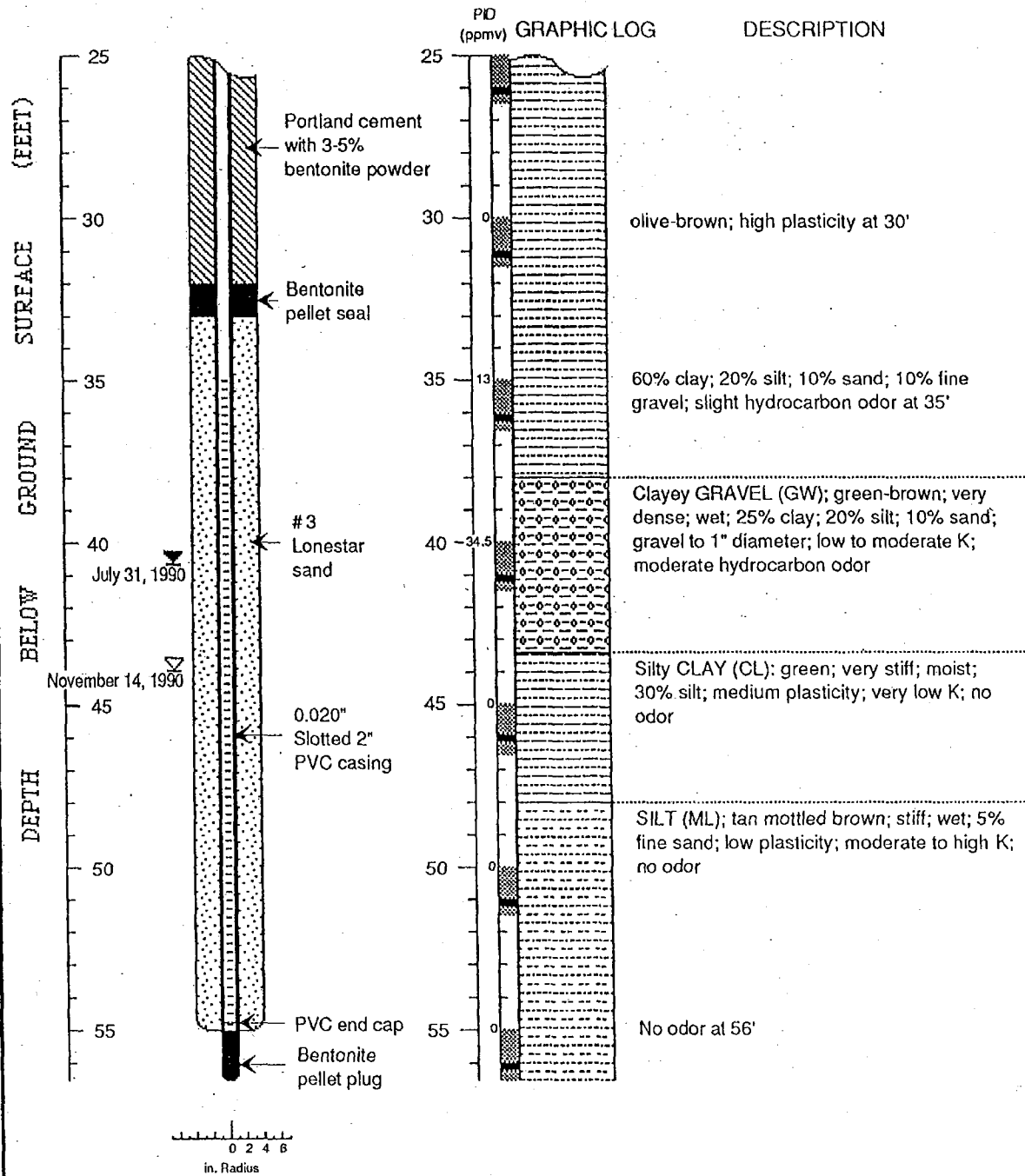
EXPLANATION

- | | |
|--|--|
| <ul style="list-style-type: none"> ☒ Water level during drilling (date) ☒ Water level (date) ----- Contact (dotted where approx.) - - - - - Uncertain contact ▨ Location of recovered drive sample ■ Location of drive sample sealed for chemical analysis ⊗ Cutting sample K = Estimated hydraulic conductivity | <ul style="list-style-type: none"> Logged by: Robert E. Kitay Supervisor: James W. Carmody; RG 4872 Drilling Company: Soils Exploration Services, Vacaville, CA Driller: Russ Ellis Drilling Method: Hollow stem auger Date Drilled: July 31, 1990 Well Head Completion: 2" locking well-plug, stovepipe, traffic-rated vault Type of sampler: Split barrel (2" ID) Ground surface elevation: 32.65 feet above mean sea level |
|--|--|

Well Construction and Boring Log Details - Well C-7 (BH-G)

Chevron Service Station #9-0076
Oakland, California

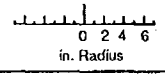
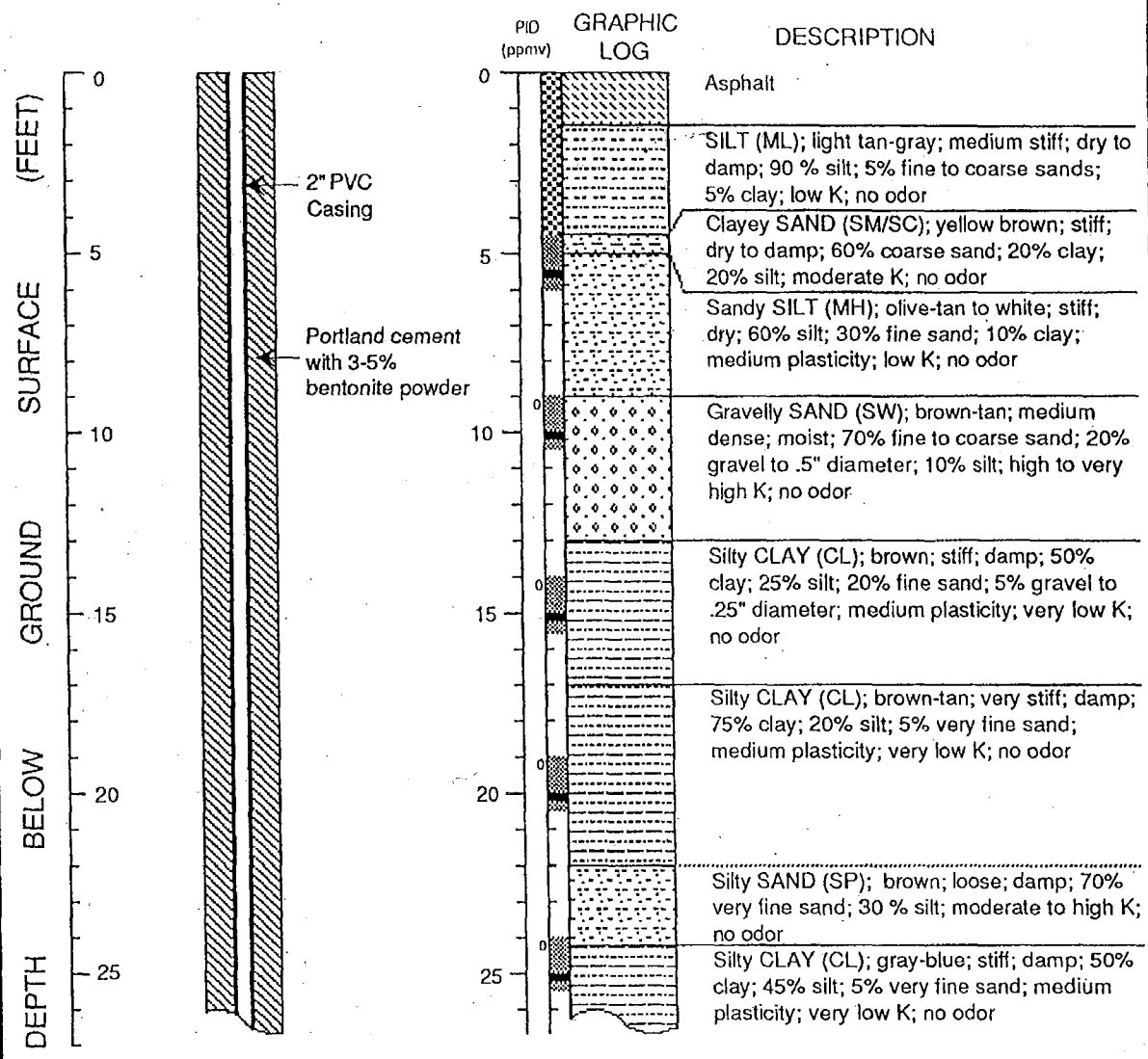
WELL C-7 (BH-G) (cont.)











Well Construction and Boring Log Details - Well C-7 (BH-G)

Chevron Service Station #9-0076
Oakland, California

WELL C-8 (BH-H)



EXPLANATION

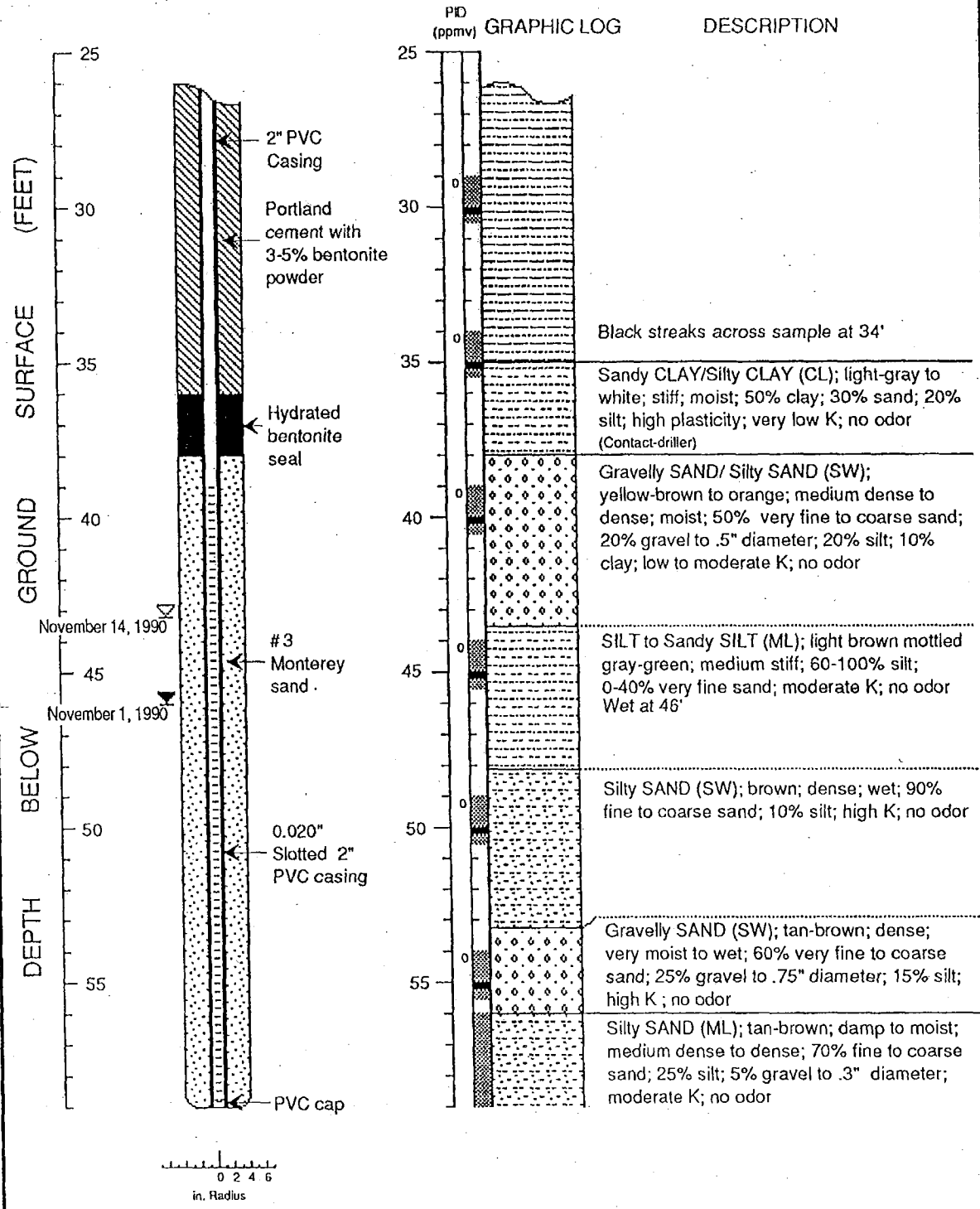
- | | | |
|---|---|---|
|  | Water level during drilling (date) | Logged by: Robert Kitay / Mariette Shin |
|  | Water level (date) | Supervisor: James W. Carmody; RG 4872 |
|  | Contact (dotted where approx.) | Drilling Company: Soils Exploration Services, Vacaville, CA |
|  | Uncertain contact | Driller: Rick Carr |
|  | Gradational contact | Drilling Method: Hollow-stem auger |
|  | Location of recovered drive sample | Date Drilled: November 1, 1990 |
|  | Location of drive sample sealed for chemical analysis | Well Head Completion: 2" locking well-plug; traffic rated vault |
|  | Cutting sample | Type of Sampler: Split barrel (2" ID) |
| K = | Estimated hydraulic conductivity | Ground Surface Elevation: 31.17 feet above mean sea level |

Boring Log and Well Construction Details - Well C-8 (BH-H)

Chevron Service Station #9-0076
Oakland, California



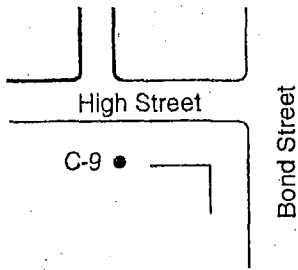
WELL C-8 (BH-H) (cont.)



Boring Log and Well Construction Details - Well C-8 (BH-H)

Chevron Service Station #9-0076
Oakland, California

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. C-9
PAGE 1 OF 1

PROJECT NO. 325-024.1B
LOGGED BY: CWR
DRILLER: MDE
DRILLING METHOD: HSA
SAMPLING METHOD: CORE
CASING TYPE: SCH 40 PVC
SLOT SIZE: 0.020"
SAND PACK: #3 SAND

CLIENT: CHEVRON
DATE DRILLED: 7-10-96
LOCATION: 4265 Foothill Blvd.
HOLE DIAMETER: 8"
HOLE DEPTH: 45'
WELL DIAMETER: 2"
WELL DEPTH: 45'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
				2		GC	GC	ASPHALT 4"
	Dp			4		CL	CL	CLAYEY GRAVEL - FILL: dark yellowish brown; 15-20% clay; 10% medium sand; 70-75% subangular gravel to 2" diameter; wood chips; no product odor.
	Mst-Wt	0		6		CL	CL	CLAY: dark yellowish brown; moderate plasticity; 90% clay with minor silt; 10% medium sand; no product odor.
				8				SANDY CLAY: dark yellowish brown; moderate plasticity; 60-70% clay; 30-40% coarse subangular sand to fine subangular gravel; no product odor.
	Dp	0		10				@10': as above; yellowish brown with pervasive gray and black mottling in thin horizontal bands; low to moderate plasticity; 60% clay; 20% silt; 20% medium sand; blocky fractures; manganese oxide streaks and specks; no product odor.
				12				
	Dp	0		14		CL	CL	SILTY CLAY: dark yellowish brown; moderate plasticity; 60% clay; 30% silt; 10% fine sand; manganese oxide specks; some fracturing; no product odor.
	Dp	0		16				
	Dp	0		18				@21': as above; yellowish brown with light gray mottling; moderate plasticity; trace manganese oxide specks; blocky fractures; no product odor.
	Mst	0		20				
	Dp			22				SANDY CLAY: yellowish brown; pervasive orange brown and gray mottling; moderate plasticity; 60% clay; 10% silt; 30% fine sand; manganese oxide specks; some fracturing; no product odor.
	Dp			24		CL	CL	
				26				@30': gray with yellowish brown; moderate plasticity; manganese oxide specks; 70% clay; 10% silt; 20% fine sand; trace fine gravel; extensive blocky fractures; no product odor.
	Dp	0		28				
				30				@35': as above; yellowish brown with pervasive gray mottling in horizontal bands; low to moderate plasticity; 50% clay; 20% silt; 30% fine sand; trace white mudstone lithic fragments; no product odor.
				32				
	Mst			34				CLAYEY SAND: yellowish brown; 30-40% clay; 20% silt; 40-50% fine sand; gray mottling; no product odor.
				36		SC	SC	CLAYEY GRAVEL: yellowish brown; 20-30% clay; 20% medium to coarse sand; 50-60% subangular to subrounded gravel comprised of predominately weathered clastic and volcanic fragments; no product odor.
				38				
	Mst-Wt	0		40				
				42		GC	GC	GRAVEL: black, brown, and white; trace fines; 10% coarse sand; 85% subrounded to subangular gravel to 4" diameter; clastics and volcanic fragments; no product odor.
	Wt			44		GW	GW	
								BOTTOM OF BORING AT 45'

GROUT

BENTONITE

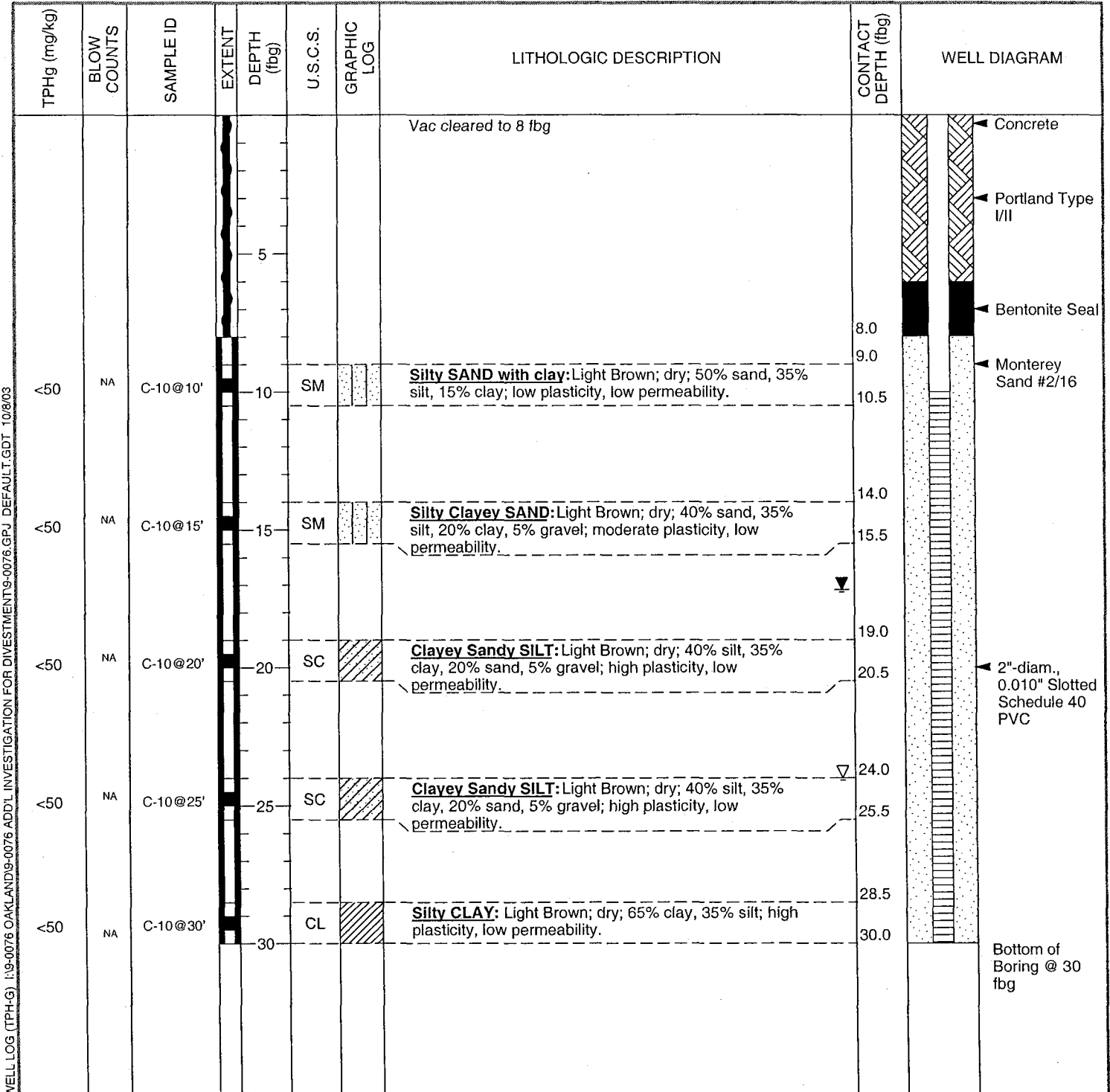
SAND



Cambria Environmental Technology, Inc.
 5900 Hollis Street, Suite A
 Emeryville, California 94608
 Telephone: (510) 420-0700
 Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Products Company	BORING/WELL NAME	C-10
JOB/SITE NAME	9-0076	DRILLING STARTED	08-Aug-03
LOCATION	4265 Foothill Boulevard, Oakland CA	DRILLING COMPLETED	08-Aug-03
PROJECT NUMBER	41D-1977	WELL DEVELOPMENT DATE (YIELD)	09-Sep-03
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	38.69 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	38.37 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	10 to 30 fbg
LOGGED BY	I. Robb	DEPTH TO WATER (First Encountered)	24.0 fbg (08-Aug-03)
REVIEWED BY	B. Foss	DEPTH TO WATER (Static)	17.18 fbg (09-Sep-03)
REMARKS	Well installed with limited access drill rig (no blow counts available)		



WELL LOG (TPH-G) P:\9-0076 OAKLAND\9-0076 ADD'L INVESTIGATION FOR DIVESTMENT\9-0076.GPJ DEFAULT.GDT 10/09/03

LOCATION MAP C-A



High St.

PACIFIC ENVIRONMENTAL GROUP, INC.

WELL / BORING NO. C-A
PAGE 1 OF 1

PROJECT NO. 120-57.01
 LOGGED BY: E.G.
 DRILLED BY: BAYLAND
 DRILLING METHOD: HSA
 SAMPLING METHOD: CAL. MOD.
 CASING TYPE: NA
 SLOT SIZE:
 GRAVEL PACK:

CLIENT: G.R. CHEVRON USA
 DATE DRILLED: 8-13-87
 LOCATION: HIGH AND FOOTHILL
 HOLE DIAMETER: 8"
 HOLE DEPTH: 40-1/2"
 WELL DEPTH:
 WELL DIAMETER:

ELEVATION

WELL COMPLETION	MOISTURE CONTENT	PENETRATION RESISTANCE (BLOW/FT)	DEPTH (feet)	SAMPLE GRAPHIC	SOIL TYPE	LITHOLOGY/REMARKS
Backfilled with Concrete	Dp	12	2	[Hatched]	SC	ASPHALT AND BASEROCK.
			4	[Hatched]		CLAYEY SAND; fill; dark olive; 20-30% fines; fine to coarse grained; trace fine gravel; medium dense; damp; faint product odor to strong product odor starting at 4'. @ 5-1/2': intermixed SW and GW fill materials; some free product; still primarily SC. @ 7': free product. @ 8-1/2': free product. @ 10': nearly saturated with product.
			6	[Hatched]		
			8	[Hatched]		
			10	[Hatched]		
			12	[Hatched]		
			14	[Dotted]	SC/ GC	CLAYEY SAND and CLAYEY GRAVEL; interbedded; olive; 20-30% fines; silty; SAND; fine to coarse grained; 0-15% fine to medium gravel; very dense; faint product odor; GRAVEL; 15-25% fine to coarse sand; FeO mottled; fine to coarse grained; very dense; sub-rounded; damp; faint product odor. @ 16': strong product odor.
			16	[Dotted]		
			18	[Dotted]		
			20	[Hatched]	CL	CLAY; strong brown; moderate plasticity; FeO mottled; slightly silty; stiff; 0-10% fine to medium sand; faint product odor. @ 23-1/2': faint product odor.
			24	[Hatched]		
						Bottom of Boring at 25 feet.
			26			
			28			
			30			
			32			
			34			
			36			
			38			
			40			

Backfilled with Concrete

Dp

Dp

Mst

Bottom of Boring at 25 feet.

APPENDIX C

Historic Sensitive Receptors Survey

**SENSITIVE RECEPTORS SURVEY
SITE SURVEY AND LITERATURE SEARCH**

Client: BP Oil Company Project No.: 30-0248

Station No.: 11109

Location: 4280 Foothill Blvd.

City/State: Oakland, CA

I. Provide answers to the following questions:

- A. Is there a public water supply well within 2500 feet? Y/N N
If Yes, Distance ft.
- B. Is there a private water supply well within 1000 feet? Y/N N
If Yes, Distance ft.
- C. Is there a subway within 1000 feet? Y/N N
If Yes, Distance ft.
- D. Is there a basement within 1000 feet? Y/N UNK
If Yes, Distance ft.
- E. Is there a school within 1000 feet? Y/N Y
If Yes, Distance 100 ft.
- F. Is there a surface body of water within 1000 feet? Y/N N
If Yes, Distance ft.
Name

II. Describe type of local water supply.

Public: East Bay Municipal Utility District (EBMUD)

- Suppliers Name: EBMUD
- Suppliers Source: Reservoirs in the Sierra Nevada Mtns.
- Distance to Site: Greater than 100 miles

Private: None

**SENSITIVE RECEPTORS SURVEY
SITE SURVEY AND LITERATURE SEARCH**

Page 2

III. Distance to Nearest Adjacent Properties:

Residential	0 ft.
Commercial	60 ft.
Industrial	4,000 ft.
Hospital	6,000 ft.
School (<u>Fremont High School</u>)	100 ft.
Name	

IV. Aquifer Classification, if available.

Class I	- Special Ground Waters	_____
	- Irreplaceable Drinking Water Source	_____
	- Ecologically Vital	_____
Class II	- Current and Potential Drinking Water Sources	_____
Class III	- Not Potential Source of Drinking Water	X

V. Describe observation wells, if any.

Number	8
Free Product?	Y/N <u>Y</u>

VI. Signature of Preparer: _____

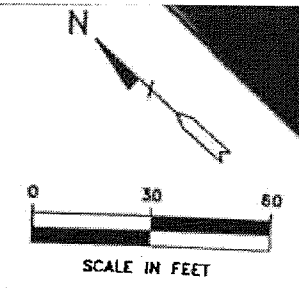
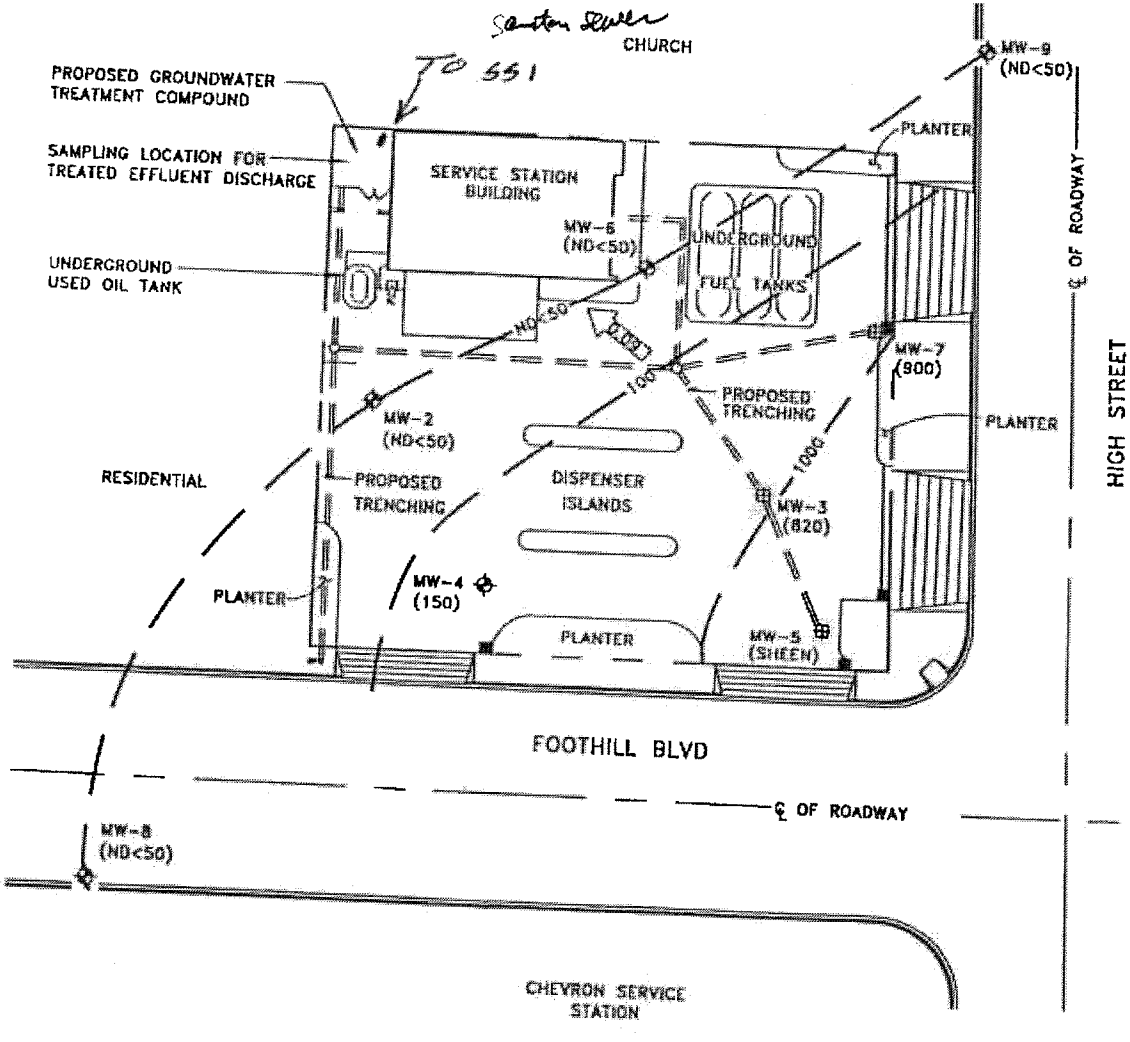
Date: _____

VII. Sketch of Site

See Attached

APPENDIX D

Former Remediation System Documentation

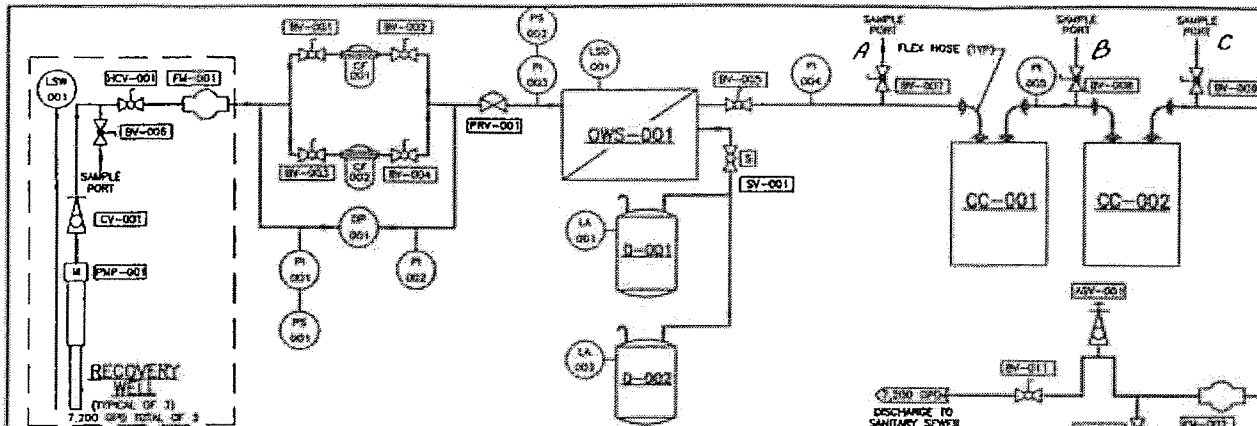


- LEGEND:**
- GROUNDWATER MONITORING WELL
 - 150 TOTAL PETROLEUM HYDROCARBONS AS GASOLINE CONCENTRATION IN PARTS PER BILLION
 - 100 TOTAL PETROLEUM HYDROCARBONS AS GASOLINE ISOCONCENTRATION CONTOUR IN PARTS PER BILLION
 - 0.09 → CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE
 - PROPOSED RECOVERY WELL

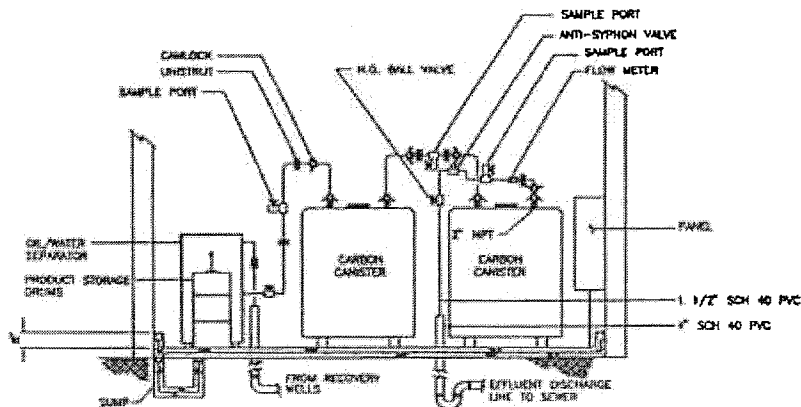
FIGURE 1
BUILDING LAYOUT PLAN
TOTAL PETROLEUM
HYDROCARBONS AS GASOLINE
ISOCONCENTRATION MAP
(DECEMBER 31, 1992)
 BP OIL SERVICE STATION NO. 11109
 4280 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA
 PROJECT NO. 18-005

ALISTO ENGINEERING GROUP
 WALNUT CREEK, CALIFORNIA

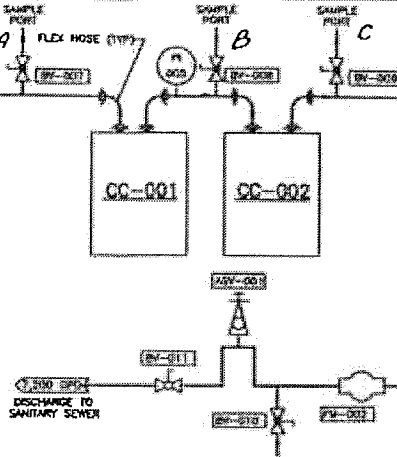
ACCT No. 502-77421



PROCESS & INSTRUMENTATION DIAGRAM
N.T.S.



LAYOUT



P & I D LEGEND

- NORMALLY OPEN BALL VALVE
- NORMALLY CLOSED BALL VALVE
- NORMALLY OPEN SOLENOID VALVE
- PRESSURE REDUCING VALVE
- BALL CHECK VALVE
- ANTI-SIPHON VALVE
- FLOW METER
- CAMLOCK, MALE/FEMALE CONNECTION

EQUIPMENT LIST		
ITEM	DESCRIPTION	SPECIFICATION
CC-001 CC-002	ACTIVATED CARBON CANISTER	1000 LB. CAPACITY, INTERIOR AND EXTERIOR COATED STEEL VESSEL, 12 PIP INCH, BOTHRIC ISOLATIONS
PMP-001 PMP-002 PMP-003	SUBMERSIBLE PUMP	1 1/2 HP, 240V, 1.5 WHP/HP/INCH WATERHEAD, CENTRIFUGAL, 3 GPM, 120 FT HEAD
CF-001 CF-002	CYRINDRICAL FILTER	1 INCH NPT PORT, BRASS BODY, 8" STEEL HOUSING, 24" FULL 240 PPM CARTRIDGE
FM-001 (F) FM-002	FLOW METER	1/2" X 1/4" BRASS BODY, REPRODUCTION TOLERANT MATERIALS, POSITIVE DISPLACEMENT, NON-REVERSIBLE ROTOR
CV-001 (S)	BALL VALVE	1/2" INCH, FULL PORT, BRASS, TEFLON SEALS
BV-001 BV-002 BV-003 BV-004 BV-005 BV-006 BV-007 BV-008	BALL VALVE	1-1/2 INCH, FULL PORT, PVC, WITH SCALE
SP-001 SP-002	SAMPLE PORT	1/4 INCH, BRASS, BALL VALVE
ASV-001	ANTI-SIPHON VALVE	1/4 INCH, BRASS, BUTYLER
CV-001 (S)	CHECK VALVE	1/2" INCH, BRASS, BALL CHECK, FULL PORT
PG-001 PG-002 PG-003 PG-004 PG-005 PG-006	PRESSURE GAUGE	1/4 INCH NPT, 0-80 PSIG, 2 INCH DIA.
CP-001	DIFFERENTIAL PRESSURE SWITCH	BRASS WETTED PARTS, 3/8" DIA. NIPPLE, 0-20 PSI RANGE, NEAR & HOLDING
LSW-001 (C)	LEVEL CONTROL	1/2" NPT, 4 PORT, CLASS I & II ENCLOSURE, TEFLON COATED WIRE PROBE, FULL DEPTH OF WELL
LSW-001 (S)	LEVEL SWITCH	COMPENSATED TYPIC, STAINLESS STEEL, PROBE, SPST SWITCH
CAMLOCK (M FEMALE)	CAMLOCK	1-1/2 INCH BRASS, HOSE END, 1/2" NPT
D-001 D-002	PRODUCT STORAGE DRUM	DOUBLE COMPARTED, 20 GALLON, STEEL
OWS-001	DR. / WATER SEPARATOR	1 INCH 8" MEDIA, COALESCING, PRESSURIZED VESSEL
PRV-001	SOLENOID VALVE	1/2" X 1/4", BRASS, 120V AC, EXPLOSION PROOF
PS-001	PRESSURE SWITCH	BRASS WETTED PARTS, 3/8" DIA. NIPPLE, 0-80 PSI RANGE, NEAR & HOLDING
PRV-001	PRESSURE REDUCING VALVE	1" X 1/2", BRASS, 0-80 PSI
PS-002	PRESSURE SWITCH	BRASS WETTED PARTS, 3/8" DIA. NIPPLE, 0-20 PSI RANGE, NEAR & HOLDING

AUSTO ENGINEERING GROUP
CONCORD, CALIFORNIA

DATE: 6-28-82
BY: [Signature]
CHECKED: [Signature]
APPROVED: [Signature]

FIGURE 2 - PROCESS FLOW DIAGRAM
WASTEWATER DISCHARGE PERMIT APPLICATION
BP OIL COMPANY

BP OIL SERVICE STATION NO. 1110R
4280 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

DATE: 6-28-82
SCALE: AS NOTED
PAGE: 10-002
SHEET: 3 OF 3

TABLE 1 - FLOW DATA FOR GROUNDWATER TREATMENT SYSTEM
 BP OIL COMPANY SERVICE STATION NO. 11109
 4280 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-005

DATE	FLOW METER READING (Gallons)	EFFLUENT DISCHARGED (Gallons)	AVERAGE FLOW RATE (GPD)	AVERAGE FLOW RATE (GPM)
02/15/94	0	0	---	0.00
02/28/94	1640	1640	126	0.09
03/30/94	3000	1360	45	0.03
04/29/94	12550	9550	318	0.22
05/31/94	16237	3687	115	0.08
07/01/94	19505	3268	105	0.07
07/29/94	30516	11011	393	0.27
09/03/94	50432	19916	553	0.38
10/05/94	72894	22462	702	0.49
10/31/94	96393	23499	904	0.63
11/29/94	130333	33940	1170	0.81
12/29/94	137135	6802	227	0.16
01/30/95	147776	10641	333	0.23
02/22/95	150774	2998	130	0.09
03/30/95	156834	6060	168	0.12
05/16/95	159944	3110	66	0.05
06/29/95	163362	3418	78	0.05
08/01/95	177156	13794	418	0.29
08/29/95	216089	38933	1390	0.97
09/28/95	252466	36377	1213	0.84
10/18/95	274057	21591	1080	0.75
11/14/95	300728	26671	988	0.69
12/27/95	344650	43922	1021	0.71
TOTAL FOR PERIOD		181268	1002	0.70

ABBREVIATIONS:

GPD Gallons per day
 GPM Gallons per minute
 --- Not applicable

