Alexis N. Fischer
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6441
Fax (925) 549-1441
AFischer@Chevron.com

Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station No. 90020
1633 Harrison Street
Oakland, CA

I have reviewed the attached report titled *Conceptual Site Model and Low-Threat Closure Request.*

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Conestoga-Rovers & Associates, upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,

Alexis N. Fischer
Project Manager

Attachment: *Conceptual Site Model and Low-Threat Closure Request*

CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: March 28, 2014

REFERENCE NO.: 311956

PROJECT NAME: Chevron Service Station 90020

TO: Mr. Mark Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Please find enclosed:
- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
- ☐ Other

Sent via:
- ☐ Mail
- ☐ Overnight Courier
- ☐ Same Day Courier
- ☒ Other ACEH FTP site

QUANTITY	DESCRIPTION
1	Conceptual Site Model and Low-Threat Closure Request

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐

COMMENTS:
If you have any questions or comments, please contact Nathan Lee at (925) 849-1003

Copy to: Mr. Brian Waite, Chevron
Mr. Shadrick Small, Oakland Housing Authority
Mr. Karl Lauff, Christian Church Homes
Mr. Leroy Griffin, Oakland Fire Department

Completed by: Kiersten Hoey [Please Print] Signed: Kiersten Hoey

Filing: **Correspondence File**

CONCEPTUAL SITE MODEL AND LOW-THREAT CLOSURE REQUEST

CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET
OAKLAND, CALIFORNIA
FUEL LEAK CASE NO. RO0143

Prepared For:

Mr. Mark Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6557

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

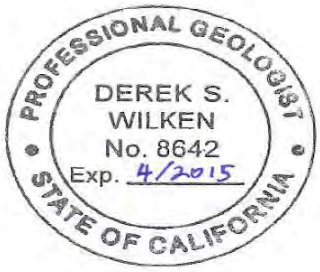
web:
http:\\www.CRAworld.com

MARCH 28, 2014
REF. NO. 311956 (20)
This report is printed on recycled paper

CONCEPTUAL SITE MODEL AND LOW-THREAT CLOSURE REQUEST

CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET
OAKLAND, CALIFORNIA
FUEL LEAK CASE NO. RO0143

Kiersten Hoey



Derek Wilken, PG 8642

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web:
http:\\www.CRAworld.com

MARCH 28, 2014
REF. NO. 311956 (20)
This report is printed on recycled paper

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1

2.0 SITE BACKROUND 1
2.1 SITE DISCRIPTION 1
2.2 PREVIOUS ENVIRONMENTAL WORK 1
2.3 SITE GEOLOGY 6
2.4 SITE HYDROGEOLOGY 6

3.0 CONCEPTUAL SITE MODEL 7
3.1 HYDROCARBON SOURCE 7
3.2 HYDROCARBON SOURCE REMEDIATION 7
3.3 HYDROCARBON DISTRIBUTION 7
3.3.1 LNAPL 8
3.3.2 SOIL 8
3.3.3 GROUNDWATER 9
3.3.4 SOIL VAPOR 12
3.4 SENSITIVE RECEPTORS AND EXPOSURE PATHWAYS 13
3.4.1 SENSITIVE RECEPTOR SURVEY (SRS) 13
3.4.2 OTHER POTENTIAL HYDROCARBON SOURCES 14
3.4.3 PREFERENTIAL PATHWAYS 15

4.0 RESPONSE TO ALAMEDA COUNTY ENVIRONMENTAL HEALTH CONCERNS 15

5.0 COMPARISON OF SITE CONDITIONS TO POLICY CRITERIA AND REQUEST FOR LOW THREAT CLOSURE 16
5.1 GENERAL CRITERIA 17
5.1.1 THE UNAUTHORIZED RELEASE IS LOCATED WITHIN THE SERVICE AREA OF A PUBLIC WATER SYSTEM 17
5.1.2 THE UNAUTHORIZED RELEASE CONSISTS ONLY OF PETROLEUM 17
5.1.3 THE UNAUTHORIZED ('PRIMARY') RELEASE FROM THE UST SYSTEM HAS STOPPED 17
5.1.4 FREE PRODUCT HAS BEEN REMOVED TO THE MAXIMUM EXTENT PRACTICABLE 17
5.1.5 A CONCEPTUAL SITE MODEL THAT ASSESSES THE NATURE, EXTENT, AND MOBILITY OF THE RELEASE HAS BEEN DEVELOPED 17
5.1.6 SECONDARY SOURCE HAS BEEN REMOVED TO THE EXTENT PRACTICABLE 17
5.1.7 SOIL AND GROUNDWATER HAVE BEEN TESTED FOR MTBE AND RESULTS REPORTED IN ACCORDANCE WITH HEALTH AND SAFETY CODE SECTION 25296.15 18
5.1.8 NUISANCE AS DEFINED BY WATER CODE SECTION 13050 DOES NOT EXIST AT THE SITE 18
5.2 MEDIA-SPECFIC CRITERIA 18

5.2.1 GROUNDWATER 18
5.2.2 VAPOR INTRUSION TO INDOOR AIR 19
5.2.3 DIRECT CONTACT AND OUTDOOR AIR EXPOSURE 20

6.0 DATA GAPS 21

7.0 CONCLUSIONS AND RECOMMENDATIONS 21

LIST OF FIGURES
(Following Text)

FIGURE 1 VICINITY MAP

FIGURE 2 SITE PLAN

FIGURE 3 AREA MAP

FIGURE 4 GEOLOGIC CROSS SECTION A-A'

FIGURE 5 GEOLOGIC CROSS SECTION B-B'

FIGURE 6 TPHG CONCENTRATIONS IN GROUNDWATER – SEPTEBMER 21, 2013

FIGURE 7 BENZENE CONCENTRATIONS IN GROUNDWATER – SEPTEMBER 21, 2013

LIST OF TABLES
(Following Text)

TABLE 1 CUMULATIVE SOIL ANALYTICAL DATA - HYDROCARBONS

TABLE 2 CUMULATIVE SOIL ANALYTICAL DATA - METALS

TABLE 3 MONITORING WELL CONSTRUCTION DATA

TABLE 4 CUMULATIVE SOIL VAPOR ANALYTICAL DATA

TABLE 5 GRAB-GROUNDWATER ANALYTICAL DATA

LIST OF APPENDICES

APPENDIX A REGULATORY CORRESPONDENCE

APPENDIX B BORING LOGS

APPENDIX C GROUNDWATER MONITORING AND SAMPLING DATA

APPENDIX D TREND GRAPHS AND DEGRADATION CALCULATIONS

APPENDIX E SENSITIVE RECEPTOR SURVEY TABLES AND MAP

APPENDIX F SWRCB LOW-THREAT POLICY EVALUATION

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) is submitting this *Conceptual Site Model (CSM) and Low-Threat Closure Request* on behalf of Chevron Environmental Management Company (EMC) for Chevron Service Station #90020 located at 1633 Harrison Street in Oakland, California (Figure 1). In a July 3, 2013 email (Appendix A), Alameda County Environmental Health (ACEH) communicated their concerns about site closure under the State Water Resource Control Board's (SWRCB) *Low-Threat Underground Storage Tank Case Closure Policy (*LTCP). The LTCP was adopted by the State Water Quality Control Board (SWQCB) on August 17, 2013 to provide standard statewide closure criteria for low threat UST sites that are subject to Chapter 6.7 of Division 20 of the Health and Safety Code and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations. Presented below are a CSM, a response to ACEH's concerns, an evaluation of the site conditions with respect to the LTCP criteria, and conclusions and recommendations.

2.0 SITE BACKROUND

2.1 SITE DISCRIPTION

The site is a former Chevron service station located on the southwest corner of the intersection of Harrison and 17th Streets in Oakland, California (Figure 1). Chevron operated a service station on the site until 1972 with at least two different facility configurations (Figure 2). All facilities were removed at the time of station closure sometime between 1972 and 1975. Since December 1, 1975, the site was a parking lot, but was recently redeveloped as a multi-level senior housing facility. The site is located downtown in an area of commercial and multi-unit residential land uses. Other service stations were located diagonally across the Harrison Street and 17th Street intersection and 350 feet east on 17th Street (Figure 3).

2.2 PREVIOUS ENVIRONMENTAL WORK

In January 1988, 22 soil vapor samples were collected at 11 locations across the site. The highest hydrocarbon concentrations were detected in the vicinity of the former used-oil UST in the southwestern section of the site. This investigation is detailed in the EA Engineering, Science, and Technology Inc. January 27, 1988 *Soil Vapor Contaminant Assessment Report of Investigation*.

Between 1988 and 1992, monitoring wells MW-1 through MW-16 were installed. The well installations are detailed in the Western Geologic Resources (WGR) January 24, 1989 *Soil Sampling and Monitoring Well Installation Letter;* WGR June 1989 *Subsurface Investigation*; WGR July 1990 *Offsite Subsurface Investigation;* and Groundwater Technology Inc. February 18, 1993 *Additional Environmental Assessment Report.*

In 1991, soil borings B-A through B-D were advanced to assess the extent of hydrocarbons in the vicinity of MW-7. Hydrocarbons were only detected at 25 fbg in B-D. This investigation is detailed in the Pacific Environmental Group (PEG) January 14, 1992 *Subsurface Investigation Report.*

In 1991, PEG conducted a soil vapor extraction (SVE) feasibility test in the vicinity of wells MW-4 and MW-7. PEG concluded that a vacuum of 137 inches of water column would be needed to extract approximately 20 standard cubic feet per minute (scfm) from wells with an estimated radius of influence of 18 feet. Additional information is available in G-M's 1993 *Quarterly Groundwater Treatment System Compliance Report* and Delta Environmental Consultant's (Delta) June 27, 2000 *Site Conceptual Model and Risk-Based Corrective Action Evaluation*.

In 1992, PEG oversaw removal of 150 cubic yards of hydrocarbon impacted soil from the vicinity of well MW-4 and during the excavation of a 30 foot long by 5 foot deep trench across the area of the former USTs to confirm that the USTs had been removed from the site. Two soil samples were collected along each excavation wall (ES, EE, EN, EW, E2) and three samples were collected at the bottom (EB). Removal of the USTs was confirmed. Construction debris (concrete slabs and piping) were observed in soils within the former UST pit. Additional information is available in PEG's June 2, 1992 *Soil Excavation Letter Report*.

In 1993, a SVE system was installed and operated from July 1, 1993 through December 12, 1993. The low permeability soils limited system effectiveness. The system was shut down in December 1993, and all system equipment was removed in December 1996. Additional information is available in G-M's 1993 *Quarterly Groundwater Treatment System Compliance Report* and Delta Environmental Consultant's (Delta) June 27, 2000 *Site Conceptual Model and Risk-Based Corrective Action Evaluation*.

With the approval of ACEH in a September 8, 1997 letter, monitoring wells MW-1 through MW-6, MW-8, MW-10 through MW-12, and MW-14 were destroyed in 1998 because no dissolved hydrocarbons were detected in the wells. The destructions are detailed in the PEG February 19, 1998 *Well Abandonments*

In June 2004, soil borings B-17 through B-25 were advanced. Investigation results indicated that the horizontal distribution of hydrocarbons in soil was limited to the area in the immediate vicinity of well MW-7. The highest hydrocarbon impact in soil occurred at approximately 19 fbg and was vertically delineated by low concentrations at approximately 25 fbg. Halogenated VOCs (HVOCs) detected in soil and groundwater at the site were hypothesized to have originated from upgradient offsite sources. Numerous potential HVOC sources were identified upgradient of the site including several dry cleaners. ACEH had previously concurred with the conclusion that the HVOCs were sourced from offsite in a letter dated November 4, 1992. This investigation is detailed in Cambria Environmental Technology October 14, 2004 *Subsurface Investigation Report.*

In 2007, soil borings SB1 through SB4 were advanced upgradient of MW-7. Also in 2007, nested soil vapor probes VP-1 through VP-6 were installed and soil vapor samples were collected from all probes. The highest hydrocarbon concentrations in soil vapor were detected in the vicinity of the former used-oil UST in VP-1. No HVOCs were detected in soil vapor from VP-1 near the used-oil tank supporting the conclusion that the HVOCs detected elsewhere were not sourced from site operations. The soil boring and vapor probe investigations are detailed in the CRA May 25, 2007 *Onsite Subsurface Investigation Report* and June 28, 2007 *Vapor Probe Survey Report*.

In 2008, CRA oversaw the remedial excavation of hydrocarbon-bearing soil in the vicinity of well MW-7 and in the area of the previous used-oil UST. Soil was removed using large diameter bucket augers to 25 fbg. Soil samples BA1 through BA105 were collected at the bottom of each boring, and then the borings were sealed with grout. Soil in the vicinity of the former used-oil UST was excavated with a backhoe to 12 fbg and soil samples EX1 through EX8 were collected. A total of approximately 922 cubic yards of soil were removed. Additional information is available in the CRA July 11, 2008 *Remedial Activities Report*.

Well MW-7 and vapor probes VP-1, VP-4, and VP-5 were destroyed during the 2008 excavations. Vapor probes VP-1R, VP-4R, and VP-5R were installed later in 2008 to replace the original vapor probes. In 2009, soil borings SB7 and SB8 were advanced and nested soil vapor probe VP-7 was installed downgradient of the 2008 excavation extent. Analytical data from this investigation indicates the former second generation UST pit was not a source of residual petroleum hydrocarbons. In 2010, CRA destroyed all seven onsite soil vapor probes for site redevelopment. Additional information is detailed in CRA July 11, 2008 *Remedial Activities Report,* December 30, 2009 *Additional Onsite Investigation Report,* and December 15, 2010 *Offsite Subsurface Investigation and Vapor Probe Destruction Report.*

In January 2010, CRA attempted to install an offsite downgradient monitoring well in the intersection of Harrison and 17th Streets; however, underground utilities prevented the installation in a location suitable to ACEH. In October 2010, CRA successfully installed offsite monitoring well MW-17 at the southwest corner of Harrison Street and 17th Street and advanced offsite soil borings SB-9 through SB-11 downgradient of the site to further define hydrocarbons in soil and groundwater. Analytical data indicated both the horizontal and vertical extent of hydrocarbons in soil was adequately defined. Groundwater analytical data suggests the dissolved hydrocarbon plume was primarily located beneath the intersection of Harrison and 17th Streets and the historic gasoline service station located at 1708 Harrison Street. Additional information is detailed in the CRA July 9, 2010 *Work Plan Addendum for Monitoring Well Installation and Offsite Investigation*

CRA submitted a March 9, 2010 *Revised Risk Assessment* in response to ACEH's request for additional evaluation of potential risk associated with residual total petroleum hydrocarbon concentrations. The risk assessment indicated that subsurface conditions do not pose a potential risk to future onsite residents.

On January 4-6, 2011, Oakland Housing Authority (OHA) over-excavated soil from the former fuel UST pit to collect soil confirmation samples as requested by the ACEH. CRA collected sidewall soil samples TSW-1, TSW-3, TSW-5, TSW-6, TSW-7, and TSW-8 and bottom soil samples TB-2, TB-4, TB-5, TB-6, and TB-7 from the "debris pit" excavation area at depths between 9 and 14 fbg. Because the pit was originally backfilled with debris generated from the station demolition, it was referred to as the "debris pit". On January 4, 2011, as requested by ACEH to characterize the soil west of the February 2008 excavation, soil sample EX-9 was collected. However, the building foundation footing was encountered before the depth of the 2008 excavation was reached and the sample could not be collected deeper; therefore, the sample was collected at 5 fbg. No hydrocarbons were detected in this sample. On January 6, 2011, a pipe was observed at the southeast corner of the debris pit, and soil sample TP-1 was collected near the pipe. Following OHA's request to reuse soil excavated from the debris pit as backfill, CRA collected stockpile samples SP-1 through SB-21. On January 11, 2011, CRA collected surface soil samples SP-23 through SP-29 across the site to profile additional soil for reuse. On January 25, 2011, CRA returned to the site to oversee the over-excavation of soil around SP-23 (20 foot by 20 foot area by 3 fbg). Soil sample X-3 was collected at the bottom of the excavation at approximately 3 fbg and no hydrocarbons were detected. Soil sample B-1 was collected from the soil stockpile generated during the over-excavation of soil sample SP-23 for waste profiling purposes.

Soils from the debris pit excavation and grading activities that were below the RWQCB's Technical Reference Document were reused onsite.

During the January 25, 2011 excavation, an orphan drum was encountered. Soil staining was observed around the drum, and soil sample OT-1 was collected. Using a vacuum truck provided by IWM, the drum's oily contents were removed and the interior was triple rinsed, and the rinsate was removed by the vacuum truck. The drum's contents and rinsate were stored on site in 55 gallon DOT drums and transported to Clean Harbors facility for disposal. On April 6, 2011, the orphan drum was removed under the observation of ACEH and transported to Schnitzer Steel, Oakland, California (Schnitzer Steel) for recycling. The soil surrounding the orphan drum was excavated to approximately 3 fbg and transported to Keller Canyon. Confirmation soil samples OT-2 and OT-3 were collected beneath the orphan drum at 2 and 3 fbg, respectively. No hydrocarbons were detected in these samples. A total of approximately 90 cubic yards of soil generated during the over-excavation of soil sample SP-23 and the soil surrounding the orphan drum were transported and disposed of at Keller Canyon.

On May 3, 2011, OHA's contractor encountered potential hydrocarbon-bearing soil in the area of the "May 2011 Excavation". CRA determined that the potential hydrocarbon-bearing soil extent was larger than anticipated after potholing with a backhoe to approximately 8 fbg and screening the soil using a photoionization detector (PID). Soil samples GT-1, GT-2, and GT-3 were collected at depths of 5 and 8 fbg. Also, three-point composite soil sample C-1 was collected from the stockpiled soil generated during the potholing activities. Hydrocarbons were detected in all four samples. The potholed area was temporarily backfilled with the excavated soil until a larger excavation could be completed.

On May 27, 2011, CRA returned to oversee the excavation of the hydrocarbon-bearing soil observed on May 3, 2011. Soil sample locations GT-1 through GT-3 were over-excavated to a depth of approximately 12.5 fbg. Sidewall and bottom soil samples OE-E, OE-N, OE-C, OE-5, OE-W, and OE-W2 were collected between approximately 6 and 12.5 fbg. Approximately 234 cubic yards of soil were transported and disposed at Keller Canyon.

On June 10, 2011, an additional over-excavation in the area of OE-E-7 (elevator shaft construction area) was performed until no soil staining was observed. Confirmation soil samples OE-E2-C at 12 fbg and OE-E2-6 at 6 fbg were collected. Approximately 18 cubic yards of soil was over-excavated and transported to Keller Canyon.

OHA completed redevelopment of the sidewalk area in August 2012. No soil samples were collected because no potential hydrocarbon-bearing soil was observed.

In summary, between January and June 2011, approximately 342 cubic yards of petroleum hydrocarbon bearing soil with concentrations that exceeded ESLs were excavated, transported, and disposed of at Keller Canyon. One orphan drum was encountered, cleaned, transported, and disposed of at Schnitzer Steel. Soil from the "debris pit" excavation and grading activities that were below the RWQCB's Technical Reference Document were reused onsite. The remedial excavations details are presented in CRA's November 9, 2012 *Remediation Progress Report for Site Redevelopment Activities*.

Soil borings, well, and vapor probe locations, and excavation and sampling locations are illustrated on Figure 2.

2.3 SITE GEOLOGY

Local topography is flat and the site is located approximately 35 feet above mean sea level along the eastern margin of the San Francisco Bay within the Coast Range Geomorphic Province and is characterized by broad alluvial fan margins sloping westward towards the San Francisco Bay. The site is underlain by Holocene and Pleistocene alluvial fan deposits, which are underlain by Franciscan Formation bedrock at depth.[1] Soil encountered beneath the site and site vicinity consist primarily of silty sand and clayey sand, and well graded and poorly graded sand to approximately 25 feet below grade (fbg), underlain by low permeable silt and clay to the maximum depth explored of 35 fbg. Boring logs are included as Appendix B and geologic cross sections are included as Figures 4 and 5.

2.4 SITE HYDROGEOLOGY

The site is located in the East Bay Plain Subbasin of the Santa Clara Groundwater Basin. The cumulative aquifer thickness in the vicinity is approximately 1,000 feet, consisting of unconsolidated sediments.[1] Groundwater in the region has been designated as potentially beneficial for commercial, industrial, and residential uses.[2] The regional

1 State of California Department of Water Resources, California's Groundwater Bulletin 118, February 27, 2004.

2 California Regional Water Quality Control Board San Francisco Bay Region (RWQCB-SF), Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin, January 18, 2007, Table 2-2 Existing and Potential Beneficial Uses in Groundwater in Identified Basins.

groundwater flow direction, based on the topography and natural drainage patterns in the area, appears to be towards Lake Merritt, located approximately 1,600 feet east of the site. Depth to groundwater has historically ranged from approximately 16 to 22 fbg. Groundwater flow direction beneath the site is typically east-northeast at a gradient of 0.01. Oakland Inner Harbor is located approximately 1 mile south of the site.

3.0 CONCEPTUAL SITE MODEL

3.1 HYDROCARBON SOURCE

Data collected from subsurface investigations and remedial excavations indicate the source of hydrocarbons in soil and groundwater are the first generation dispenser island in the northeast corner of the site and former used-oil UST. Cumulative soil data is listed on Tables 1 and 2.

3.2 HYDROCARBON SOURCE REMEDIATION

Primary Source Removal
All facilities were removed at the time of station closure sometime between 1972 and 1975.

Secondary Source Removal
PEG operated a SVE system from July 1993 through December 1993. System evaluation showed minimal effectiveness due to low permeability soils. The system was shut down in December 1993, and all system equipment was removed in December 1996.

A total of approximately 1,414 cubic yards of hydrocarbons bearing soil was removed during the 1992, 2008, and 2011 remedial excavations and site construction (previously described in Section 2.2), removing the most readily recoverable fraction of source area mass. All excavation extents and soil sampling locations are illustrated on Figure 2.

3.3 HYDROCARBON DISTRIBUTION

Primary constituents of concern (COC) are total petroleum hydrocarbons as gasoline (TPHg) and benzene. Other COCs are total petroleum hydrocarbons as diesel (TPHd), toluene, ethylbenzene, and xylenes. Methyl tertiary butyl ether (MTBE) is not a COC because it is not detected in soil or groundwater beneath the site. A discussion of

hydrocarbon distribution in light non-aqueous liquid (LNAPL), soil, groundwater, and soil vapor is presented in this section.

3.3.1 LNAPL

No LNAPL has been detected beneath the site.

3.3.2 SOIL

Several phases of soil remedial excavations occurred in 1992, 2008, and 2011, removing a total of 1,414 cubic yards of hydrocarbon-impacted soil from the site. Residual hydrocarbon concentrations in shallow soil are generally limited to the vicinity of the former used-oil UST with the highest concentrations of 4,500 milligrams per kilogram (mg/kg) TPHd, 680 mg/kg TPHg, 0.96 mg/kg ethylbenzene, and 2.8 mg/kg xylenes detected in EX8 and ES-8C in the southwest corner of the site. In terms of the LTCP criteria, residual TPHg between 0 and 10 fbg with a concentration of 100 mg/kg or greater was detected at only those two locations. No benzene, toluene or MTBE were detected in shallow soil after the remedial excavations.

The highest residual hydrocarbon concentrations detected in soil below 10 fbg are 1,200 mg/kg TPHd, 6,400 mg/kg TPHg, 0.045 mg/kg benzene, 2 mg/kg toluene, 18 mg/kg ethylbenzene, and 25 mg/kg xylenes in saturated soil in the northeast corner of the site (MW-17, BA1, and BA10) at approximately 24 fbg (Figure 4).

No residual tertiary butyl alcohol TBA, 1,2 dibromoethane (EDB), 1-2, dichloroethane (EDC), or polycyclic aromatic hydrocarbons (PAHs) were detected in soil between 0 and 15 fbg. The highest residual naphthalene and metal concentrations are as follows:

- Naphthalene at 3.1 mg/kg in EX8 at 5 fbg
- Cadmium at 0.741 mg/kg in EX1 at 12 fbg
- Chromium at 86.9 mg/kg in EX1 at 12 fbg
- Nickel at 84.2 mg/kg in EX-9 at 5 fbg
- Lead at 24.2 mg/kg in EX8 at 5 fbg
- Zinc at 38.8 mg/kg in EX-9 at 5 fbg

The residual naphthalene concentrations detected are below LTCP criteria. Cumulative soil analytical data for hydrocarbons and metals are listed on Tables 1 and 2.

3.3.3 GROUNDWATER

Groundwater has been monitored and sampled at the site for 25 years; historically by a total of 17 wells, and currently by five offsite wells. All other wells have been destroyed because they did not contain dissolved hydrocarbons; with the exception of onsite well MW-7, which was destroyed during the 2008 soil excavation. The site is presently entirely occupied by a multi-level senior housing facility. Recent groundwater data are presented in Table A and historic groundwater data are presented in Appendix C. Monitoring well construction details are included in Table 3. Current extent of hydrocarbons in groundwater and hydrocarbon concentration trends and degradation rates are included below.

Distribution of Hydrocarbons in Groundwater

Third Quarter 2013 groundwater analytical results for TPHg, benzene, toluene, ethylbenzene, and xylenes (BTEX), and MTBE are summarized below in Table A.

TABLE A: GROUNDWATER ANALYTICAL DATA

Well ID	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*MTBE (µg/L)*
WQO	***100***	***1***	***40***	***30***	***20***	***5***
MW-9	680	<0.5	<0.5	<0.5	<0.5	<0.5
MW-13	60J	<0.5	<0.5	<0.5	<0.5	<0.5
MW-15	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-16	7,600	17	53	32	97	<0.5
MW-17	19,000	180	950	900	3,100	<0.5

WQO Environmental Screening Levels (ESLs) from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Prepared by California Regional Water Quality Control Board San Francisco Bay Region, Interim Final - November 2007, (Revised May 2008), Table F-1a-Groundwater Screening Levels-Current or Potential Drinking Water Resource.

The residual dissolved TPHg and BTEX plumes are centered on well MW-17, located just offsite (downgradient) and extend downgradient to well MW-16. The extents are defined to below laboratory detection limits and/or WQOs by wells MW-13 and MW-15, and by historical data from wells MW-1 through MW-6, MW-8, MW-10, MW-11, MW-12, and MW-14. The dissolved BTEX plume is additionally defined by well MW-9. The dissolved TPHg and benzene plumes are defined to the extent feasible and illustrated on Figures 6 and 7. No MTBE is detected in groundwater.

Hydrocarbon Trends and Degradation Rates

CRA uses the guidance provided within the United States Environmental Protection Agency (EPA) document *Calculation and Use of First-Order Rate Constants for Monitored Natural Attenuation Studies* (November 2002) to estimate the time for groundwater concentrations to reach WQOs. CRA also uses the EPA document *On-line Tools for Assessing Petroleum Releases* (September 2004) to assess the proper methodology of determining where to begin a trend analysis. A receptor is located some distance from the source, and no impact to the receptor is seen when the release first occurs. The analytes take time to travel to the receptor. The first data points that show an analyte detection is called the first arrival time. The first arrival time varies for each receptor based upon distance from the receptor and the transport rates through the heterogeneous medium.

As the analyte plume expands and stabilizes, the analyte concentration reaches the maximum concentration. If the source of the release is finite (e.g., a single release from an underground storage tank), the concentration will eventually decrease from the maximum, to below the concentration of concern. This period is called the duration.

CRA evaluates groundwater monitoring data from each well (the receptor) and creates a degradation trend analysis for site COCs from the maximum detection through the latest sampling date. The starting point can vary from the maximum detection if the transport mechanisms are not sufficiently linear. For example, groundwater monitoring data may show that the maximum concentration occurred at some point in the past and that degradation seemed to be occurring. However, due to the heterogeneous nature of the subsurface and seasonal groundwater level fluctuations, the duration does not demonstrate a steady degradation behavior. The concentrations of the analyte may increase one or more times before showing consistent attenuation towards the concentration objective.

CRA estimated times for TPHg and benzene concentrations in destroyed onsite well MW-7 and active offsite wells MW-9, MW-16, and MW-17 to achieve Water Quality Objectives (WQO).[3] CRA used the following first order exponential decay rate calculation:[4]

$$y = be^{(ax)}$$

Where "a" is a decay constant, "b" is a concentration at time (x), y is concentration (ESL), and "x" is time.

A summary of historical maximum concentrations, the most current concentrations, and projections to meet the WQOs are presented in Table B. Before well MW-7 was destroyed, dissolved TPHg concentrations were decreasing and one order of magnitude lower than the historical maximum. Since then, 810 cubic yards of hydrocarbon-bearing soil around MW-7 has been removed, and based on calculations, TPHg has reached the WQO, and benzene concentrations were calculated to reach WQO in 34 years. In crossgradient well MW-9, dissolved TPHg is expected to reach WQO within 11 years and benzene has decreased to below laboratory detection limits. In downgradient well MW-16, TPHg concentrations are stable and benzene is expected to reach WQO within 14 years. Dissolved TPHg and benzene in well MW-17 have been stable since sampling began in 2010. The trend graphs and degradation calculations are presented in Appendix D.

[3] WQO are the San Francisco Regional Water Quality Control Board's Environmental Screening Levels (ESLs)

[4] EPA-Groundwater Issue; Calculation and Use of First-Order Rate Constants for Monitored Natural Attenuation Studies; Charles J. Newell, et al., 2002.

TABLE B: SUMMARY OF DEGRADATION RATE CALCULATIONS						
Well	*Analyte*	*Maximum Concentration (µg/L)*	*Current (Most Recent) Concentration (µg/L)*	*WQO*	*Year to Reach WQO*	*Time to Reach WQO (years)*
MW-7	TPHg	11,000	1,700	100	2010	Reached
	Benzene	810	76	1	2048	34
MW-9	TPHg	9,900	680	100	2024	11
	Benzene	380	<0.5	1	NA	Reached
MW-16	TPHg	10,000	7,600	100	NA	Stable
	Benzene	770	17	1	2028	14
MW-17	TPHg	24,000	19,000	100	NA	Stable
	Benzene	220	180	1	NA	Stable

Notes
Stable Concentrations have remained in the same order of magnitude as the historic maximum concentration over the past few years.

3.3.4 SOIL VAPOR

In June 2007, nested soil vapor probes VP-1 through VP-6 were installed and soil vapor samples were collected from all probes. In 2008, vapor probes VP-1, VP-4, and VP-5 were destroyed during the excavations and VP-1R, VP-4R, and VP-5R were installed to replace the original vapor probes. In 2009, nested soil vapor probe VP-7 was installed downgradient of the 2008 excavation extent. Table C lists the TPHg, benzene, ethylbenzene, naphthalene, and oxygen concentrations detected in vapor probes after the 2008 soil excavations. All soil vapor data is detailed in Table 4. The highest hydrocarbon concentrations detected in 2007 before the excavations were in soil vapor VP-1, located in the area of the former used-oil UST. After the soil excavations, concentrations decreased one to four orders of magnitude, indicating the soil excavations successfully removed a majority of the residual hydrocarbon mass in soil. The highest concentrations detected after the 2008 excavations were 75,000 micrograms per cubic meter ($\mu g/m^3$) TPHg, 37 $\mu g/m^3$ benzene, 7.8 $\mu g/m^3$ ethylbenzene, and no naphthalene. These concentrations are below both residential and commercial LTCP soil gas concentrations criteria (Table 4). Oxygen was greater than 4 percent in all samples indicating a bioattenuation zone exists in the top 5 feet. In 2010, CRA destroyed all seven onsite soil vapor probes.

TABLE C: HYDROCARBON CONCENTRATIONS IN SOIL VAPOR AT 5 FBG						
Well ID	*Date*	*TPHg*	*Benzene*	*Ethylbenzene*	*Naphthalene*	*Oxygen*
		Micrograms per cubic meter (µg/m³)				*%*
VP-1R	4/10/2008	<240	<3.7	<5.0	<24	4.6
VP-2	4/10/2008	1,600	<3.9	<5.2	<25	15
VP-3	4/10/2008	330	<3.4	7.8	<23	13
VP-4R	4/10/2008	380	<3.6	<4.9	<23	8.1
VP-5R	4/10/2008	440	<3.3	<4.4	<21	15
VP-6	4/10/2008	860	4.4	<5.4	<26	14
VP-7	10/26/2009	75,000	37	<11	<52	7

3.4 SENSITIVE RECEPTORS AND EXPOSURE PATHWAYS

3.4.1 SENSITIVE RECEPTOR SURVEY (SRS)

On August 22, 2012, CRA conducted a SRS through Environmental Data Resources, Inc. (EDR) to obtain the *Radius Map™ Report with GeoCheck®* which includes a records search of various environmental databases. The survey was performed in the downgradient direction for a length of two blocks. The SRS results are presented in Appendix E. Typically, a SRS may include underground parking structures, schools, daycares, hospitals, parks, and senior care facilities. The following potential sensitive receptors were identified within the survey area:

- Two underground parking structure
- A child care center (Alice Child Care Center)
- A retirement residence (Lake Park Retirement Residence)
- Snow Park (city park)

Underground parking structures are located near the intersections of 17th and Harrison Streets, and at 20th and Harrison Streets. Based on groundwater analytical data, benzene concentrations detected in well MW-16, located adjacent to the 17th and Harrison Street parking structure have been below the San Francisco RWQCB groundwater screening level for evaluation of potential vapor intrusion for residential (27 µg/L) and commercial (270 µg/L) land uses since 2004.[5] Therefore, the underground parking structure does not appear to be a receptor. The parking structure located near the intersection of 20th and Harrison Streets is approximately 1,000 feet crossgradient of the site, and therefore, due to its proximity to the site, is not considered a potential receptor.

[5] RWQCB-SF, Screening for Concerns at Sites with Contaminated Soil and Groundwater, Interim Final, November 2007, revised May 2008, Table E-1.

The child care center and retirement residence are located east of the site; however, they are not considered sensitive receptors because dissolved-phase hydrocarbons are not detected in monitoring wells MW-13 and MW-15, located between the site and these facilities.

EDR also identified one public water supply well located approximately 1,000 feet southwest (upgradient) of the site; based on the distance from the site and upgradient location, the well is not considered a receptor.

The results of the 2012 SRS indicate that there are no potential sensitive receptors within the survey area downgradient of the site that could be affected by hydrocarbons originating from the site. Additional details can be found in CRA's October 26, 2012 *Sensitive Receptor Survey*. Alameda County Public Works Agency records listed four water supply wells (two irrigation and two domestic) in the vicinity of the site. The nearest well is 1,000 feet northeast (downgradient) of the site. Based on the location and distance (over 1,000 feet) from the site, it is unlikely these wells will be affected by dissolved hydrocarbons originating at the site. The wells are listed in Appendix E.

3.4.2 OTHER POTENTIAL HYDROCARBON SOURCES

In addition to the EDR *Radius Map™ Report,* historic Sanborn maps and City directories were provided by EDR. CRA reviewed the EDR data, focusing on the two block long by one block wide survey area, and identified the potential environmental concerns below.

Four historic service stations were identified within the survey area (Figure 3):

- 1708 Harrison Street located approximately 80 feet downgradient
- 251 17th Street located approximately 350 feet downgradient
- 293 19th Street located approximately 400 feet crossgradient
- 1833 & 1839 Harrison Street located approximately 400 feet crossgradient

The historic service station at 1708 Harrison Street, located across the intersection of 17th and Harrison Streets from the site, may be a contributing source of dissolved-phase hydrocarbons detected in well MW-16, and borings SB-9 and SB-10 (Table 5). The Sanborn maps depict a service station from 1950 to 1969. Given the proximity of the other three historic service stations, it is unlikely they are contributing to dissolved hydrocarbons detected in well MW-16, and borings SB-9 and SB-10. Additional details can be found in CRA's October 26, 2012 *Sensitive Receptor Survey*.

3.4.3 PREFERENTIAL PATHWAYS

Potential underground utilities include electric, communication, natural gas, storm drains, and sanitary sewers. Depth to groundwater in site wells varies from approximately 16 to 22 fbg which is below typical underground utility depths ranging from 2 to 10 fbg. Therefore, it is highly unlikely any underground utility near the site is acting as a preferential pathway for hydrocarbon migration.

4.0 RESPONSE TO ALAMEDA COUNTY ENVIRONMENTAL HEALTH CONCERNS

1) *The lack of contaminant stability in well MW-17, including TPH concentrations (up to 24,000 µg/l) that exceed concentrations (20,000 µg/l) cited in the LTCP Technical Justification for Vapor Intrusion Media-Specific Criteria, as indirect groundwater evidence for LNAPL;*

   - Concentrations exceeded 20,000 µg/L during only 3 of 9 total sampling events, and the concentrations detected are stable as shown in the groundwater data and trend graphs included in Appendices C and D, respectively. Based on all available data and the fact that the most readily recoverable fraction of source mass upgradient of well MW-17 has been removed, concentrations in well MW-17 are stable and expected to remain so. Well MW-7 that was upgradient of well MW-17 exhibited a decreasing concentration trend prior to its removal and it is likely that well MW-17 will eventually exhibit the same trend once the disturbance from the remedial excavations has subsided.

2) *Delineation of the downgradient and lateral extent of the offsite groundwater plume;*

   - The residual dissolved TPHg and BTEX plumes are centered on well MW-17, located just offsite (downgradient) and extend downgradient to well MW-16. The lateral extents are defined upgradient and cross gradient to below laboratory detection limits and/or WQOs by wells MW-13 and MW-15 and by historical data from wells MW-1 through MW-6, MW-8, MW-10, MW-11, MW-12, and MW-14. The dissolved BTEX plume is additionally defined by well MW-9. No MTBE is detected in groundwater. Additionally, no COCs were detected in soil samples from offsite borings SB9, SB10, SB11, MW-13, MW-15 and MW-16 advanced downgradient (northeast) of the site. This data has delineated the hydrocarbons in groundwater sufficiently to make risk-based closure decisions. Additional data will not change the potential risk profile. COC data are listed in Table A above and plume extents are illustrated on Figures 6 and 7.

3) *The potential for vapor intrusion impacts to the Kaiser-Permanente (KP) underground parking structure kitty corner (and directly downgradient) of the site and well MW-17. In part this is related to the unknown configuration of the underground structure, extent of any venting, depth of structure, depth of excavation (or extent of soil removal) of the KP facility upon redevelopment, etc. CRA notes that the KP facility was a former service station; however, has not provided data or justification to link downgradient groundwater concentrations to the former service station at the KP garage site.*

- The KP building is not at risk of vapor intrusion from sources associated with the Chevron Service Station 90020 for the following reasons.
  - The ground floor and basement section of the KP property is currently configured as a parking garage. The parking garage remains open to the street, and the side walls are ventilated. Therefore there is no concern of potential vapor accumulation.
  - Dissolved benzene concentrations detected in well MW-16, located adjacent to the 17th and Harrison Street parking structure are below the San Francisco RWQCB groundwater screening level for evaluation of potential vapor intrusion (27 µg/L) and no dissolved benzene is detected in well MW-15, also located adjacent to the parking structure.[6]
  - With respect to the LTCP Vapor Intrusion to Indoor Air, conditions meet Scenario 3. a) Groundwater is approximately 20 fbg. b) Dissolved benzene concentrations in MW-16 have been less than 100 µg/L since 2008, and no benzene is detected in MW-15. c) No TPH is detected in the top 10 feet of soil (seven samples collected from SB-9, SB-10, SB-11, and MW-16 located adjacent to the KP building).

5.0 COMPARISON OF SITE CONDITIONS TO POLICY CRITERIA AND REQUEST FOR LOW THREAT CLOSURE

Discussion of site conditions with respect to LTCP criteria are provided in this section and in the check list provided in Appendix F.

[6] RWQCB-SF, Screening for Concerns at Sites with Contaminated Soil and Groundwater, Interim Final, ovember 2007, revised May 2008, Table E-1.

5.1 GENERAL CRITERIA

5.1.1 THE UNAUTHORIZED RELEASE IS LOCATED WITHIN THE SERVICE AREA OF A PUBLIC WATER SYSTEM

Yes. The site is located in the City of Oakland, and Oakland obtains its water supply from EBMUD, of which 90 percent is sourced from reservoirs in the Sierra Nevada, and the remaining water supply is sourced from protected local watersheds.

5.1.2 THE UNAUTHORIZED RELEASE CONSISTS ONLY OF PETROLEUM

Yes. All unauthorized releases consisted of hydrocarbons generated from either the gasoline USTs, product piping, or used-oil UST.

5.1.3 THE UNAUTHORIZED ('PRIMARY') RELEASE FROM THE UST SYSTEM HAS STOPPED

Yes. All facilities were removed at the time of station closure sometime between 1972 and 1975.

5.1.4 FREE PRODUCT HAS BEEN REMOVED TO THE MAXIMUM EXTENT PRACTICABLE

No LNAPL has ever been detected beneath the site.

5.1.5 A CONCEPTUAL SITE MODEL THAT ASSESSES THE NATURE, EXTENT, AND MOBILITY OF THE RELEASE HAS BEEN DEVELOPED

Yes. See Section 3 for the current conceptual site model.

5.1.6 SECONDARY SOURCE HAS BEEN REMOVED TO THE EXTENT PRACTICABLE

Yes. As discussed above, a SVE operated from July 1, 1993 through December 12, 1993 and a total of 1,414 cubic yards of hydrocarbon-bearing soil comprising the most readily

recoverable fraction of the source area mass was removed during multiple remedial excavations that were approved and overseen by the ACEH.

5.1.7 SOIL AND GROUNDWATER HAVE BEEN TESTED FOR MTBE AND RESULTS REPORTED IN ACCORDANCE WITH HEALTH AND SAFETY CODE SECTION 25296.15

Yes. Soil and groundwater have been tested for MTBE and are presented in Table 1 (soil data) and Appendix C (groundwater data).

5.1.8 NUISANCE AS DEFINED BY WATER CODE SECTION 13050 DOES NOT EXIST AT THE SITE

Nuisance is defined as follows per Water Code Section 130580. All three of the following requirements must be met to cause nuisance:

- Injurious to health, offensive to senses, or an obstruction of free property use
- Affects at the same time an entire community or neighborhood
- Occurs during or as the result of treatment or disposal of wastes (i.e., petroleum release)

Nuisance does not exist at the site. No community nuisance complaints have been filed to date.

5.2 MEDIA-SPECFIC CRITERIA

5.2.1 GROUNDWATER

Long-term groundwater monitoring data show that the plume above WQOs is stable or decreasing in areal extent, as required by the LTCP. The LTCP has five classes that define a stable plume as "low-threat". Because the length hydrocarbon plume that exceeds water quality objectives is unknown (plume not defined downgradient of well MW-16), the site does not meet the Policy criteria for Plume Classes 1 through 4. However, it does meet Class 5: for the following reasons.

a) The highest benzene concentration detected in groundwater is 180 µg/L, well below 1,000 µg/L noted in the LTCP
b) No MTBE is detected in groundwater

c) No LNAPL has ever been detected beneath the site

d) Dissolved benzene in existing wells is expected to reach WQO within 25 years and dissolved TPHg in existing wells is stable.

e) The nearest surface waters are Lake Merritt located 1,600 feet downgradient and Oakland Inner Harbor located approximately 1 mile upgradient of the site. Due to its distance and location, the harbor is not at risk of being affected by hydrocarbons originating at the site. It is unlikely Lake Merritt will be affected because no hydrocarbons are detected in wells MW-15 and MW-13, located between the site and the lake.

f) The nearest water supply well is an irrigation well located approximately 1,000 feet northeast of the site. Due to the distance from the stable dissolved hydrocarbon plume, it is unlikely this or any water supply well will be affected by hydrocarbons originating at the site.

g) The nearest potential sensitive receptors are Alice Child Care Center and Lake Park Retirement Residence located 450 and 650 feet east of the site, respectively; however, no dissolved hydrocarbons are detected in wells MW-13 and MW-15, located between the site and the facilities. Therefore the potential sensitive receptors are not at risk of being affected by the dissolved hydrocarbon plume.

h) The dissolved plume is stable/shrinking and defined to the extent necessary to make risk-based closure decisions. Additional data will not provide any value and is not needed to determine the risk posed by the site.

Therefore, based on this analysis of site specific conditions, under current and reasonably anticipated near-term future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame.

5.2.2 VAPOR INTRUSION TO INDOOR AIR

The LTCP contains soil media-specific criteria for conditions; including bio attenuation zones, which if met will assure that exposure to petroleum vapors in indoor air will not pose unacceptable health risks. This site satisfies the criteria for petroleum vapor intrusion to indoor air and is considered low-threat for the vapor-intrusion-to-indoor-air pathway because the site meets Scenario 4.

- Soil gas samples were collected from seven locations at 5 fbg.

- A bioattenuation zone exists beneath the site with oxygen measured greater than 4 percent (ranged from 4.5 to 17, Table 4), and of the 31 onsite soil samples collected within the top 5 feet (Table 1), TPH was less than 100 mg/kg in all but one (680 mg/kg in EX8).
- Hydrocarbon concentrations detected in soil vapor at 5 fbg both before and after soil excavations were less than the soil gas criteria (both with and without a bio attenuation zone). All soil vapor data are listed in Table 4.

5.2.3 DIRECT CONTACT AND OUTDOOR AIR EXPOSURE

The Policy contains concentration criteria for benzene, ethylbenzene, naphthalene, and PAHs in soil between 0 and 5 fbg and 5 to 10 fbg that are defined as "low-threat" for the direct contact and outdoor air pathway for various receptors. The LTCP criteria are listed below in Table D.

TABLE D: POLICY CRITERIA AND MAXIMUM SITE SOIL CONCENTRATIONS FOR DIRECT CONTACT/OUTDOOR AIR EXPOSURE

Location ID	*Date*	*Depth (fbg)*	*Benzene*	*Ethylbenzene*	*Naphthalene*	*PAHs*
Residential	*0 to 5 fbg*		*1.9*	*21*	*9.7*	*0.063*
	Volatilization to outdoor air	*5 to 10 fbg*	*2.8*	*32*	*9.7*	*NA*
*Commercial/Industrial**	*0 to 5 fbg*		*8.2*	*89*	*45*	*0.68*
	Volatilization to outdoor air	*5 to 10 fbg*	*12*	*134*	*45*	*NA*
*Utility Worker**	*0 to 10 fbg*		*14*	*314*	*219*	*4.5*

mg/kg All concentrations displayed in milligrams per kilogram
* Concentrations of Petroleum Constituents in Soil That Will Have No Significant Risk of Adversely Affecting Human Health – California State Water Resources Control Board *Low-Threat Underground Storage Tank Case Closure Policy*, Section 3: Direct Contact and Outdoor Air Exposure (August 2012)
fbg Feet Below Grade
PAHs Poly-aromatic hydrocarbons as benzo(a)pyrene toxicity equivalent
** No concentrations at or exceeding the BaP equivalent for 16 priority pollutant PAHs (Naphthalene; Acenaphthene; Acenaphthylene; Anthracene; Benzo(a)anthracene; Benzo(a)pyrene; Benzo(b)fluoranthene; Benzo(g,h,i)perylene; Benzo(k)fluoranthene; Chrysene; Dibenz(a,h)anthracene; Fluoranthene; Fluorene; Indeno(1,2,3-cd)pyrene; Phenanthrene; Pyrene)

Of the 86 soil samples collected between 0 and 10 fbg, that were not over-excavated, none of the above criteria was exceeded by residual benzene and ethylbenzene concentrations detected in soil. The highest residual benzene and ethylbenzene concentrations between 0 and 10 fbg were <0.024 mg/kg benzene and 0.96 mg/kg ethylbenzene (EX8 at 5 fbg). Six soil samples collected between 0 and 10 feet near the

former used-oil UST and orphan tank that were not over-excavated were analyzed for naphthalene and PAHs. The highest concentrations detected were 3.4 mg/kg naphthalene and <0.033 mg/kg PAHs, which are below the criteria. Therefore, the site-specific evaluation shows that site conditions meet the Policy criteria for the direct contact and outdoor air pathway. Cumulative soil data is listed in Table 1.

6.0 DATA GAPS

Based on our review, although the dissolved hydrocarbon plume is not defined to WQOs downgradient of well MW-16, benzene concentrations in this well are projected to reach WQOs in 14 years. Once benzene concentrations are reduced below WQOs, the remaining dissolved hydrocarbons will not pose a risk to potential receptors. CRA asserts that the potential plume length data gap does not inhibit decision making with respect to low-threat case closure under Category 5. The additional data will not affect the risk profile posed by the site.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on our review, the site conditions adequately meet the general and media-specific criteria established in the LTCP, and therefore poses a low threat to human health, safety, and the environment, and satisfy the case-closure requirements of the Health and Safety Code section 25296.10, and case closure is consistent with Resolution 92-49 that requires that cleanup goals be met within a reasonable time frame.

CRA recommends that groundwater monitoring be suspended while ACEH reviews this closure request.

FIGURES

Figure 1

VICINIT□ MA□
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
Oakland, California

311956-2013(020)GN-EM001 OCT 1□/2013

LEGEND

- MONITORING □ ELL LOCATION
- S□RFACE SOIL SAM□LE LOCATION□2011
- SOIL SAM□LE LOCATION□2011
- SOIL SAM□LE LOCATION□200□
- SOIL SAM□LE LOCATION□1992
- SOIL BORING LOCATION
- DESTRO□ED □ ELL LOCATION
- ABANDONED SOIL VA□OR □ ELL LOCATION
- E□CAVATION E□TENTS

17th STREET

HARRISON STREET

Island

MW-11 MW-12 MW-13 MW-14 MW-15 MW-16 (24') SB-9 (47') SB-10 SB-11 MW-17 MW-9 MW-10

VP-7 SP-26 B25 B23 MW-7 B23A B17 SP-28 MW-8 B-7 MW-3 SP-27 B-D VP-4R B-C SB1 VP-3 SB2 VP-4 SB3 VP-5 B25 SB4 VP-5R B-A B-B B18 SP-29 B-6 VP-2 B20 B19 B21 SP-24 MW-6 SP-25 B24 B-5 SP-23 X-3 OT-1 OT-2 OT-3 OE-N-7 MW-2 EX4-6 EX7-12 OE-W2-6.3 EX1-12 EX5-6 MW-5 OE-C-12.5 EX6-12 OE-S-7.8 EN-10E SP-22 EX3-6 EB-NW EB-NE EE-SN OE-W-6.3 OE-W-11.4 EW-10W EW-5S EB-SW EE-10S B22 MW-4 E2B B-4 ES-10W ES-8C ES05E TSW-8 TB-6 TSW-7 TB-5 TB-7 TSW-6 TSW-5 TB-4 TSW-1 TB-2 TP-1 TSW-3 VP-6 MW-1 OE-E-7 OE-E-10.4 OE-E2-C OE-E2-6

Former Dispenser Island

Former Station Building

Private Parking

Former Used Oil UST

Former USTs

Debris Pit Excavation - 14 fbg. (January 2011)

May 2011 Excavation to 3 fbg.

May 2011 Excavation - 12 fbg.

Bucket Auger Excavation - 25 fbg. (January - February 2008)

Former Used-Oil UST Excavation - 12 fbg. (February 2008)

1992 Excavation - 14 fbg.

0Á 90Á 180Á 270Á 1 2 3 4 5

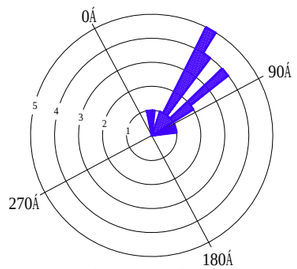
Historical Groundwater Flow Direction
2002 - 2013

N

0 10 20

Figure 2
SITE □LAN
FORMER CHEVRON STATION 90020
1633 HARRISON STREET
Oakland, California

311956-2013(020)GN-EM002 OCT 22/2013



Historical Groundwater Flow Direction
2002 - 2013

SNOW PARK

19th STREET

HISTORIC SERVICE STATION
1833 & 1839 HARRISON ST.

FORMER DRY CLEANER
295 19TH ST.
AND HISTORIC SERVICE STATION
293 19TH ST.

OFFICES

OFFICES

RETIREMENT
LIVING

0 40 80

ALICE STREET

PARKING
GARAGE

CHILD
DAYCARE

WEBSTER STREET

HARRISON STREET

17th STREET

HISTORIC SERVICE
STATION 1708
HARRISON ST.

HISTORIC SERVICE STATION
251 17TH ST.

APARTMENTS

APARTMENT
BUILDING

VACANT

OFFICES

SB-9
SB-10
SB-11

MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
MW-13
MW-14
MW-15
MW-16
MW-17

VP-1
VP-1R
VP-2
VP-3
VP-4
VP-4R
VP-5
VP-5R
VP-6
VP-7

Former Dispenser Island
Former Station Building
Former Dispenser Island
Former Used OilUST
Former USTs
Private Parking
Excavation Area (2/15&15/8)
Approximate Former Excavation Area
Excavation Area
Senior Housing

LEGEND

- MONITORING □ ELL LOCATION
- SOIL BORING LOCATION
- DESTRO□ED □ ELL LOCATION
- ABANDONED SOIL VA□OR □ ELL LOCATION

Figure 3

AREA MA□
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
Oakland, California

311956-2013(020)GN-EM002 OCT 1□/2013

A
SOUTHWEST

A'
NORTHEAST

B-4 | MW-4 (destroyed) | B-22 | MW-5 (destroyed) | B-B | SB4 | SB3 | SB2 | SB1 | MW-7 (destroyed) | VP-7 (destroyed) | MW-17 34.53' | SB-10 | MW-16 34.21' | SB-9

HARRISON STREET / 17th STREET

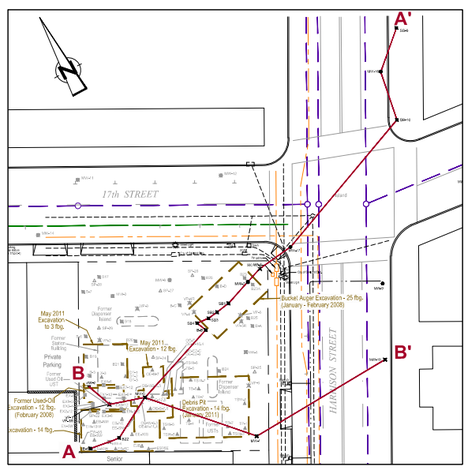
HARRISON

ELEVATION (feet AMSL)

APPROXIMATE DEPTH (feet below ground surface)

DISTANCE (feet)

SCALE: HORZ. 1" = 20'
VERT. 1" = 10'



EXPLANATION

- ML - Inorganic silts and very fine sand, silty sands of slight plasticity
- CL - Inorganic clays of low plasticity, gravelly, sandy, or silty clays, lean clays
- CH - Inorganic clays of high plasticity, fat clays
- SM - Silty sands, >12% fines
- SC - Clayey sands, >12% fines
- SW - Well graded sands, gravelly sands, < 5% fines
- SP - Poorly graded sands, or gravelly sand, < 5% fines
- Fill (Tank Pit)
- Historical high groundwater depth
- Historical low groundwater depth
- 100 — TPHG concentration contour in soil, in milligrams per kilogram (mg/kg)

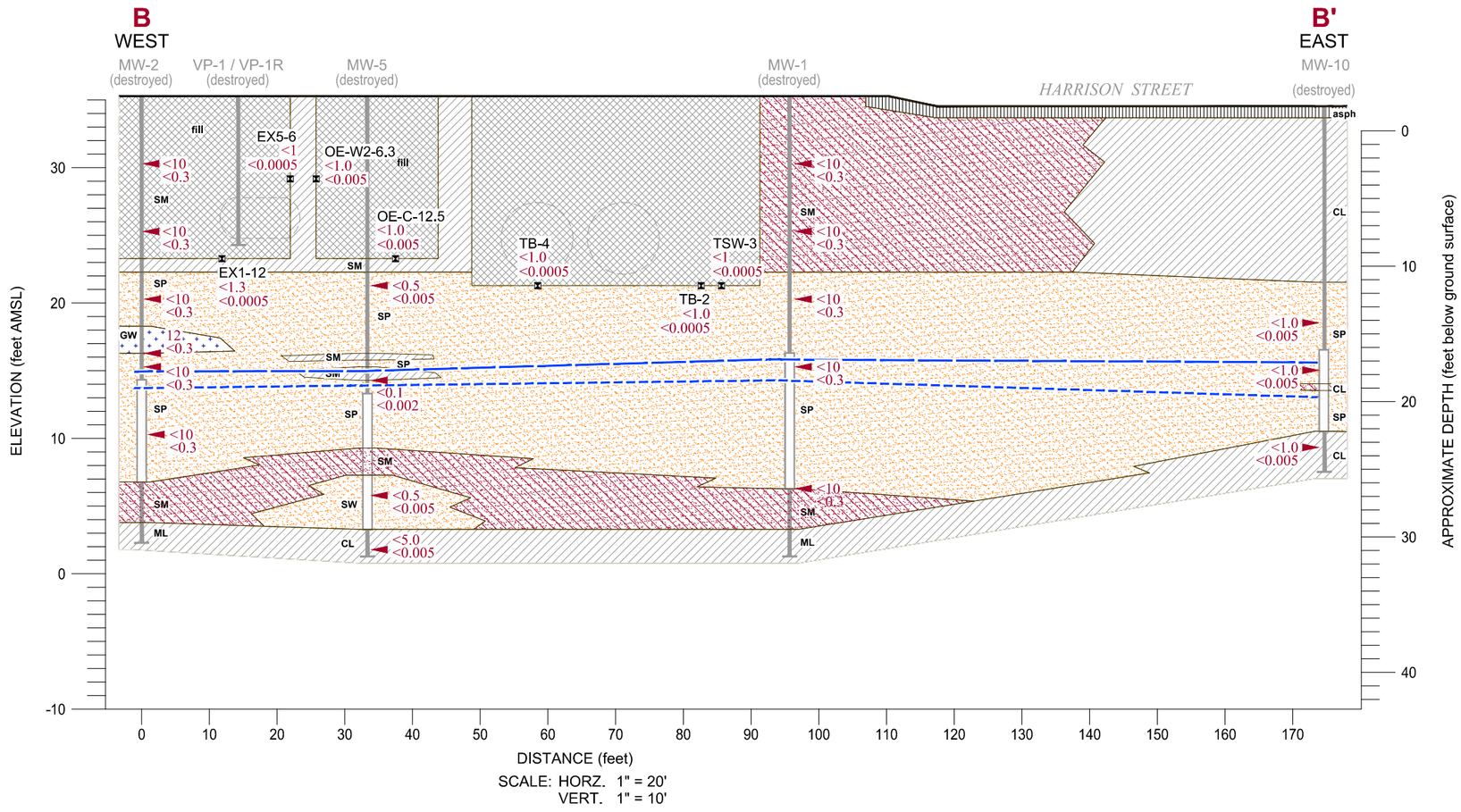
Well ID — Well Designation
Elev. — Top of Casing Elevation
(offset)
Groundwater Monitoring Well
Well Screen Interval
Bottom of boring
Approximate sample location

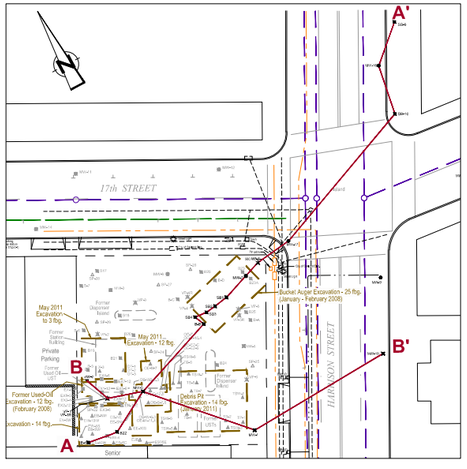
TPHg / Benzene — Hydrocarbon concentrations in soil, in milligrams per kilogram (mg/kg)

TPHg / Benzene / MTBE — Hydrocarbon concentrations in Groundwater, in micrograms per liter (µg/L) September 21, 2013

Figure 4
GEOLOGIC CROSS SECTION A-A'
FORMER CHEVRON STATION 90020
1633 HARRISON STREET
Oakland, California

311956-2013(020)GN-EM004 DEC 10/2013



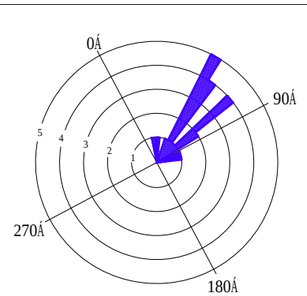


EXPLANATION

- ML - Inorganic silts and very fine sand, silty sands of slight plasticity
- CL - Inorganic clays of low plasticity, gravelly, sandy, or silty clays, lean clays
- CH - Inorganic clays of high plasticity, fat clays
- GW - Well graded gravels, <5% fines
- GP - Poorly graded gravels, <5% fines
- SM - Silty sands, >12% fines
- SC - Clayey sands, >12% fines
- SW - Well graded sands, gravelly sands, < 5% fines
- SP - Poorly graded sands, or gravelly sand, < 5% fines
- Fill (Tank Pit)

Well ID — Well Designation
Elev. (offset) — Top of Casing Elevation
Groundwater Monitoring Well
Well Screen Interval
Bottom of boring
Approximate sample location
TPHg / Benzene — Hydrocarbon concentrations in soil, in milligrams per kilogram (mg/kg)
Historical high groundwater depth
Historical low groundwater depth

Figure 5
GEOLOGIC CROSS SECTION B-B'
FORMER CHEVRON STATION 90020
1633 HARRISON STREET
Oakland, California



Historical Groundwater Flow Direction
2002 - 2013

SNOW PARK

19th STREET

HISTORIC SERVICE STATION
1833 & 1839 HARRISON ST.

FORMER DRY CLEANER
295 19TH ST.
AND HISTORIC SERVICE STATION
293 19TH ST.

OFFICES

OFFICES

RETIREMENT
LIVING

ALICE STREET

PARKING
GARAGE

CHILD
DAYCARE

WEBSTER STREET

HARRISON STREET

17th STREET

MW-16
7,600

HISTORIC SERVICE
STATION 1708
HARRISON ST.

HISTORIC SERVICE STATION
251 17TH ST.

APARTMENTS

MW-15
<50

10,000

MW-17
19,000

1,000

MW-13
60

APARTMENT
BUILDING

100

VACANT

OFFICES

MW-9
680

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8 MW-9 MW-10 MW-11 MW-12 MW-14
VP-1 VP-1R VP-2 VP-3 VP-4 VP-4R VP-5R VP-6 VP-7
SB-9 SB-10 SB-11

0 40 80

LEGEND

- MONITORING □ ELL LOCATION
- SOIL BORING LOCATION
- DESTRO□ED □ ELL LOCATION
- ABANDONED SOIL VA□OR □ ELL LOCATION

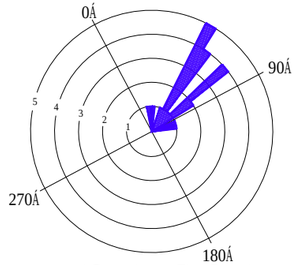
WELL
TPHG
□ ELL DESIGNATION
T□HG CONCENTRATION IN GRO□ND□ ATER IN MICROGRAMS ER LITER (g/L)

100 T□HG CONCENTRATION CONTO□R□ DASHED □ HERE INFERRED

Figure 6

T□HG CONCENTRATIONS IN GRO□ND□ ATER
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
Oakland, California
September 21, 2013

311956-2013(020)GN-EM006 DEC 1□/2013



Historical Groundwater Flow Direction
2002 - 2013

SNOW PARK

19th STREET

HISTORIC SERVICE STATION
1833 & 1839 HARRISON ST.

FORMER DRY CLEANER
295 19TH ST.
AND HISTORIC SERVICE STATION
293 19TH ST.

OFFICES

OFFICES

RETIREMENT
LIVING

ALICE STREET

PARKING
GARAGE

CHILD
DAYCARE

WEBSTER STREET

HARRISON STREET

17th STREET

HISTORIC SERVICE
STATION 1708
HARRISON ST.

HISTORIC SERVICE STATION
251 17TH ST.

APARTMENTS

APARTMENT
BUILDING

OFFICES

VACANT

MW-16
17

MW-15
<0.5

MW-17
180

MW-13
<0.5

MW-9
<0.5

10

1

100

SB-9

SB-10

SB-11

MW-10

MW-11

MW-14

MW-8

MW-3

MW-7

MW-2

MW-5

MW-1

MW-4

VP-1

VP-1R

VP-2

VP-3

VP-4

VP-4R

VP-5R

VP-6

Former Dispenser Island

Former Station Building

Former Used Oil UST

Former USTs

Private Parking

Excavation Area (2/15&15/8)

Approximate Former Excavation Area

Senior Housing

0 40 80ft

LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- DESTROYED WELL LOCATION
- ABANDONED SOIL VAPOR WELL LOCATION

WELL
BENZ
WELL DESIGNATION
BENZENE CONCENTRATION IN GROUNDWATER IN MICROGRAMS PER LITER (Ğg/L)

100 BENZENE CONCENTRATION CONTOUR, DASHED WHERE INFERRED

Figure 7

BENZENE CONCENTRATIONS IN GROUNDWATER
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
Oakland, California
September 21, 2013

311956-2013(020)GN-EM007 DEC 18/2013

TABLES

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	100	1.9	--	21	--	--	--	--	--	--	--	--	--	9.7	--	0.063	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	100	2.8	--	32	--	--	--	--	--	--	--	--	--	9.7	--	NA	
0 to 5 fbg, C/I - Direct Contact			--	--	100	8.2	--	89	--	--	--	--	--	--	--	--	--	45	--	0.68	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	100	12	--	134	--	--	--	--	--	--	--	--	--	45	--	NA	
0 to 10 fbg, Utility Worker Direct Contact			--	--	100	14	--	314	--	--	--	--	--	--	--	--	--	219	--	4.5	
Debris Pit Excavation Sampling																					
TSW-1	01/03/11	11.0	--	20	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
TB-2	01/04/11	10.5	--	53	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
TSW-3	01/04/11	11.0	--	27	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
TB-4	01/04/11	9.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
TB-5	01/05/11	14.0	--	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	
TSW-5	01/04/11	9.0	--	42	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
TB-6	01/05/11	14.0	--	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	
TSW-6	01/04/11	9.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
TB-7	01/05/11	14.0	--	4.7	<1	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	
TSW-7	01/05/11	10.0	--	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	
TSW-8	01/05/11	10.0		<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	
TP-1	01/06/11	--	--	2.2	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	
Soil Sample Near former Used-Oil UST Excavation (February 2008)																					
EX-9	01/04/11	5.0	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
Soil Stockpile Samples																					
SP-1	01/05/11	--	--	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	
SP-2	01/06/11	--	--	14	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-3	01/06/11	--	--	13	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-4	01/06/11	--	--	13	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-5	01/06/11	--	--	13	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-6	01/06/11	--	--	55	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-7	01/06/11	--	--	16	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-8	01/06/11	--	--	40	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-9	01/06/11	--	--	16	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-10	01/06/11	--	--	57	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-11	01/06/11	--	--	23	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-12	01/06/11	--	--	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-13	01/06/11	--	--	18	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-14	01/06/11	--	--	7.9	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	*100*	*1.9*	--	*21*	--	--	--	--	--	--	--	--	--	*9.7*	--	*0.063*	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	*100*	*2.8*	--	*32*	--	--	--	--	--	--	--	--	--	*9.7*	--	*NA*	
0 to 5 fbg, C/I - Direct Contact			--	--	*100*	*8.2*	--	*89*	--	--	--	--	--	--	--	--	--	*45*	--	*0.68*	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	*100*	*12*	--	*134*	--	--	--	--	--	--	--	--	--	*45*	--	*NA*	
0 to 10 fbg, Utility Worker Direct Contact			--	--	*100*	*14*	--	*314*	--	--	--	--	--	--	--	--	--	*219*	--	*4.5*	
SP-15	01/06/11	--	--	3.6	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-16	01/06/11	--	--	12	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-17	01/06/11	--	--	11	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-18	01/06/11	--	--	13	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-19	01/06/11	--	--	7.1	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-20	01/06/11	--	--	6.4	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
SP-21	01/06/11	--	--	11	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	--	
~~OHA-1~~	~~01/18/11~~	~~--~~	~~49~~	~~16~~	~~<1.0~~	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated on January 25, 2011
~~B-1~~	~~01/25/11~~	~~--~~	~~72~~	~~12~~	~~<1.0~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated on January 25, 2011
Surface Soil Profile Samples																					
~~SP-23~~	~~01/11/11~~	~~--~~	~~3,700~~	~~320~~	~~<1.0~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated on January 25, 2011
~~SP-24~~	~~01/11/11~~	~~--~~	~~<5.0~~	~~<1.0~~	~~<1.0~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated on January 25, 2011
~~SP-25~~	~~01/11/11~~	~~--~~	~~12~~	~~2.4~~	~~<1.0~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated on January 25, 2011
~~SP-26~~	~~01/11/11~~	~~--~~	~~<5.0~~	~~<1.0~~	~~<1.0~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated on January 25, 2011
~~SP-27~~	~~01/11/11~~	~~--~~	~~<5.0~~	~~<1.0~~	~~<1.0~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated on January 25, 2011
~~SP-28~~	~~01/11/11~~	~~--~~	~~<5.0~~	~~<1.0~~	~~<1.0~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated on January 25, 2011
~~SP-29~~	~~01/11/11~~	~~--~~	~~<5.0~~	~~<1.0~~	~~<1.0~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated on January 25, 2011
~~Debris-1~~	~~01/11/11~~	~~--~~	~~160,000~~	~~34,000~~	~~530~~	~~<0.020~~	~~0.17~~	~~0.21~~	~~1.9~~	~~<0.020~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated on January 25, 2011
Debris-1-Rerun	01/11/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Additional Excavation Soil Samples																					
X-3	01/25/11	3.0	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	
~~OT-1~~ [1]	~~01/25/11~~	~~0~~	~~75,000~~	~~14,000~~	~~1,900~~	~~<2.0~~	~~14~~	~~5.0~~	~~32~~	~~<2.0~~	--	--	--	--	--	--	--	~~17~~	<50	--	Over-Excavated on April 6, 2011
OT-2	04/06/11	2.0	<5.0	<1	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	ND	
OT-3	04/06/11	3.0	<5.0	<1	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--	ND	
~~GT-1-8~~ [3]	~~05/03/11~~	~~8.0~~	~~9,600~~	~~2,100~~	~~420~~	~~0.12~~	~~1.0~~	~~1.3~~	~~5.1~~	~~<0.10~~	--	--	--	--	--	--	--	~~--~~	--	--	Over-Excavated on May 27, 2011
~~GT-2-5~~ [3]	~~05/03/11~~	~~5.0~~	~~260~~	~~40~~	~~2.6~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~0.0082~~	~~<0.005~~	--	--	--	--	--	--	--	~~--~~	--	--	Over-Excavated on May 27, 2011
~~GT-3-5~~ [3]	~~05/03/11~~	~~5.0~~	~~5,100~~	~~1,100~~	~~110~~	~~<0.10~~	~~<0.10~~	~~0.49~~	~~1.2~~	~~<0.10~~	--	--	--	--	--	--	--	~~--~~	--	--	Over-Excavated on May 27, 2011
~~C-1 (stockpile)~~	~~05/03/11~~	~~--~~	~~15,000~~	~~2,200~~	~~150~~	~~<0.25~~	~~0.64~~	~~1.2~~	~~5.9~~	~~<0.25~~	--	--	--	--	--	--	--	~~--~~	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	100	1.9	--	21	--	--	--	--	--	--	--	--	--	9.7	--	0.063	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	100	2.8	--	32	--	--	--	--	--	--	--	--	--	9.7	--	NA	
0 to 5 fbg, C/I - Direct Contact			--	--	100	8.2	--	89	--	--	--	--	--	--	--	--	--	45	--	0.68	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	100	12	--	134	--	--	--	--	--	--	--	--	--	45	--	NA	
0 to 10 fbg, Utility Worker Direct Contact			--	--	100	14	--	314	--	--	--	--	--	--	--	--	--	219	--	4.5	
~~OE-E-10.4~~	~~05/27/11~~	~~10.4~~	~~<5.0~~	~~<1.0~~	~~<1.0~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.05~~	--	--	--	--	--	--	--	~~--~~	--	--	Over-Excavated on June 10, 2011
~~OE-E-7~~	~~05/27/11~~	~~7.0~~	~~1,600~~	~~270~~	~~4.1~~	~~<0.005~~	~~0.015~~	~~<0.005~~	~~0.018~~	~~<0.05~~	--	--	--	--	--	--	--	~~--~~	--	--	Over-Excavated on June 10, 2011
OE-N-7	05/27/11	7.0	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--	--	--	--	--	--	--	--	
OE-C-12.5	05/27/11	12.5	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--	--	--	--	--	--	--	--	
OE-5-7.8	05/27/11	7.8	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--	--	--	--	--	--	--	--	
OE-W-6.3	05/27/11	6.3	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--	--	--	--	--	--	--	--	
OE-W-11.4	05/27/11	11.4	8.2	2.1	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--	--	--	--	--	--	--	--	
OE-W2-6.3	05/27/11	6.3	11.0	2.6	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--	--	--	--	--	--	--	--	
OE-E2-C	06/10/11	12.5	18.0	2.2	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--	--	--	--	--	--	--	--	
OE-E2-6	06/10/11	6.0	<5.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	--	--	--	--	--	--	--	--	--	--	
MW-17	10/09/10	5.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
MW-17	10/09/10	10.0	--	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	--	--	--	--	--	--	--	--	--	
MW-17	10/09/10	15.0	--	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	--	--	--	--	--	--	--	--	--	
MW-17	10/09/10	20.0	--	12	190	<0.024	<0.048	0.20	0.47	<0.024	--	--	--	--	--	--	--	--	--	--	
MW-17	10/09/10	24.0	--	1,200	3,600	<0.46	2.0	18	25	<0.46	--	--	--	--	--	--	--	--	--	--	
MW-17	10/09/10	30.0	--	<4.0	3.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	--	--	--	--	--	--	--	--	--	
MW-17	10/09/10	34.5	--	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB9	10/10/10	5.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB9	10/10/10	10.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB9	10/10/10	15.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB9	10/10/10	19.5	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB9	10/10/10	21.0	--	<4.0	<1	0.003	0.002	<0.001	0.002	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB9	10/10/10	23.5	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB9	10/10/10	28.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB9	10/10/10	29.5	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*	*Naphthalene (mg/kg)*	*PCBs (mg/kg)*	*PAHs [1] (mg/kg)*	*Notes*
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	*100*	*1.9*	--	*21*	--	--	--	--	--	--	--	--	--	*9.7*	--	*0.063*	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	*100*	*2.8*	--	*32*	--	--	--	--	--	--	--	--	--	*9.7*	--	*NA*	
0 to 5 fbg, C/I - Direct Contact			--	--	*100*	*8.2*	--	*89*	--	--	--	--	--	--	--	--	--	*45*	--	*0.68*	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	*100*	*12*	--	*134*	--	--	--	--	--	--	--	--	--	*45*	--	*NA*	
0 to 10 fbg, Utility Worker Direct Contact			--	--	*100*	*14*	--	*314*	--	--	--	--	--	--	--	--	--	*219*	--	*4.5*	
SB10	10/10/10	5.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB10	10/10/10	10.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB10	10/10/10	15.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB10	10/10/10	20.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB10	10/10/10	24.0	--	<4.0	<1	0.0009	0.001	0.001	0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB10	10/10/10	28.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB10	10/10/10	29.5	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB11	10/10/10	5.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB11	10/10/10	10.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB11	10/10/10	15.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB11	10/10/10	18.0	--	<4.0	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB11	10/10/10	22.0	--	5.4	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB11	10/10/10	25.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
SB11	10/10/10	29.5	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	
2009 Additional Onsite Investigation																					
SB7	10/14/09	5.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
SB7	10/14/09	10.0	--	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	--	--	--	
SB7	10/14/09	15.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
SB7	10/14/09	20.5	--	14	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
SB7	10/14/09	23.5	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
SB7	10/14/09	26.5	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
SB8	10/14/09	5.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
SB8	10/14/09	10.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
SB8	10/14/09	15.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
SB8	10/14/09	19.5	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
SB8	10/14/09	24.5	--	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	--	--	--	
SB8	10/14/09	28.5	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
VP-7	10/14/09	5.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
VP-7	10/14/09	10.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	*100*	*1.9*	--	*21*	--	--	--	--	--	--	--	--	--	*9.7*	--	*0.063*	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	*100*	*2.8*	--	*32*	--	--	--	--	--	--	--	--	--	*9.7*	--	*NA*	
0 to 5 fbg, C/I - Direct Contact			--	--	*100*	*8.2*	--	*89*	--	--	--	--	--	--	--	--	--	*45*	--	*0.68*	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	*100*	*12*	--	*134*	--	--	--	--	--	--	--	--	--	*45*	--	*NA*	
0 to 10 fbg, Utility Worker Direct Contact			--	--	*100*	*14*	--	*314*	--	--	--	--	--	--	--	--	--	*219*	--	*4.5*	
2008 Remedial Activities (Bucket Augering)																					
BA1	02/07/08	22-25	--	--	6,400	0.033	0.25	6.5	10	<0.024	--	<0.97	<0.048	<0.048	<0.048	0.25	<0.048	--	--	--	
BA2	02/05/08	22-25	--	--	780	0.045	0.36	2.2	5.8	<0.027	--	<1.1	<0.053	<0.053	<0.053	<0.053	<0.053	--	--	--	
BA3	02/06/08	22-25	--	--	38	<0.0005	<0.001	0.005	0.008	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA4	02/05/08	22-25	--	--	460	<0.023	0.053	0.62	0.58	<0.023	--	<0.93	<0.047	<0.047	<0.047	<0.047	<0.047	--	--	--	
BA5	02/06/08	22-25	--	--	160	<0.023	<0.046	0.16	0.26	<0.023	--	<0.92	<0.046	<0.046	<0.046	<0.046	<0.046	--	--	--	
BA6	02/05/08	22-25	--	--	230	<0.026	<0.051	<0.051	0.13	<0.026	--	<1.0	<0.051	<0.051	<0.051	<0.051	<0.051	--	--	--	
BA7	02/06/08	22-25	--	--	59	<0.024	0.054	0.24	1.0	<0.024	--	<0.94	<0.047	<0.047	<0.047	<0.047	<0.047	--	--	--	
BA8	02/07/08	22-25	--	--	15	<0.024	0.051	0.46	1.8	<0.024	--	<0.96	<0.048	<0.048	<0.048	<0.048	<0.048	--	--	--	
BA9	01/21/08	22-25	--	--	7.0	0.001	0.003	0.024	0.035	<0.0005	--	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	--	--	--	
BA10	01/22/08	22-25	--	--	3,600	<0.026	0.21	4.5	8.0	<0.026	--	<1.0	<0.051	<0.051	<0.051	<0.051	<0.051	--	--	--	
BA11	01/23/08	22-25	--	--	69	<0.028	<0.055	<0.055	<0.055	<0.028	--	<1.1	<0.055	<0.055	<0.055	<0.055	<0.055	--	--	--	
BA12	01/22/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA13	01/18/08	22-25	--	--	13	0.003	0.023	0.11	0.3	<0.0005	--	<0.021	<0.001	<0.001	<0.001	0.004	<0.001	--	--	--	
BA14	01/21/08	22-25	--	--	12	0.002	0.012	0.044	0.13	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA15	01/18/08	22-25	--	--	1.9	0.002	0.014	0.042	0.13	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA16	01/22/08	22-25	--	--	1.8	<0.0005	<0.001	0.003	0.005	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA17	01/23/08	22-25	--	--	75	<0.026	<0.052	<0.052	<0.052	<0.026	--	<1.0	<0.052	<0.052	<0.052	<0.052	<0.052	--	--	--	
BA18	01/24/08	22-25	--	--	<1.0	<0.0005	<0.001	0.003	0.005	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA19	01/25/08	22-25	--	--	4.2	0.001	0.007	0.049	0.11	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA20	01/24/08	22-25	--	--	14	<0.0005	<0.001	0.015	0.012	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA21	01/30/08	22-25	--	--	<1.0	<0.0005	<0.001	0.01	0.026	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA22	01/24/08	22-25	--	--	1.1	<0.0005	0.004	0.018	0.053	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA23	01/23/08	22-25	--	--	67	0.0008	0.004	0.11	0.33	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA24	01/21/08	22-25	--	--	190	<0.026	<0.052	0.064	0.097	<0.026	--	<1.0	<0.052	<0.052	<0.052	<0.052	<0.052	--	--	--	
BA25	01/22/08	22-25	--	--	72	0.001	0.006	0.099	0.16	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA26	01/21/08	22-25	--	--	120	<0.025	<0.051	0.42	1.1	<0.025	--	<1.0	<0.051	<0.051	<0.051	<0.051	<0.051	--	--	--	
BA27	01/22/08	22-25	--	--	<1.0	<0.0005	<0.001	0.001	0.002	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA28	01/18/08	22-25	--	--	130	0.003	0.027	0.001	0.002	<0.0005	--	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA29	01/21/08	22-25	--	--	71	0.001	0.002	0.12	0.21	<0.0005	--	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	--	--	--	
BA30	01/18/08	22-25	--	--	19	0.002	0.012	0.044	0.14	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA31	01/23/08	22-25	--	--	8.7	<0.0005	<0.001	0.025	0.025	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA32	01/25/08	22-25	--	--	180	0.023	<0.046	0.45	0.49	<0.023	--	<0.92	<0.046	<0.046	<0.046	<0.046	<0.046	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	*100*	*1.9*	--	*21*	--	--	--	--	--	--	--	--	--	*9.7*	--	*0.063*	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	*100*	*2.8*	--	*32*	--	--	--	--	--	--	--	--	--	*9.7*	--	*NA*	
0 to 5 fbg, C/I - Direct Contact			--	--	*100*	*8.2*	--	*89*	--	--	--	--	--	--	--	--	--	*45*	--	*0.68*	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	*100*	*12*	--	*134*	--	--	--	--	--	--	--	--	--	*45*	--	*NA*	
0 to 10 fbg, Utility Worker Direct Contact			--	--	*100*	*14*	--	*314*	--	--	--	--	--	--	--	--	--	*219*	--	*4.5*	
BA33	02/01/08	22-25	--	--	3.1	0.0005	0.001	0.016	0.036	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA34	01/31/08	22-25	--	--	200	<0.025	<0.050	0.1	0.22	<0.025	--	<0.99	<0.050	<0.050	<0.050	<0.050	<0.050	--	--	--	
BA35	02/01/08	22-25	--	--	<1.0	<0.0006	<0.001	0.019	0.044	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA36	01/31/08	22-25	--	--	8.0	0.0005	<0.001	0.062	0.11	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA37	01/30/08	22-25	--	--	2.5	<0.0005	<0.001	0.018	0.039	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA38	01/24/08	22-25	--	--	82	<0.023	<0.047	0.18	0.42	<0.023	--	<0.94	<0.047	<0.047	<0.047	<0.047	<0.047	--	--	--	
BA39	01/21/08	22-25	--	--	49	<0.0005	<0.001	0.03	0.058	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA40	01/22/08	22-25	--	--	6.0	<0.0005	0.001	0.031	0.07	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA41	01/21/08	22-25	--	--	68	<0.024	<0.048	0.078	0.32	<0.024	--	<0.96	<0.048	<0.048	<0.048	<0.048	<0.048	--	--	--	
BA42	01/22/08	22-25	--	--	16	<0.0006	<0.001	0.036	0.079	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA43	01/21/08	22-25	--	--	34	<0.026	<0.052	0.076	0.11	<0.026	--	<1.0	<0.052	<0.052	<0.052	<0.052	<0.052	--	--	--	
BA44	01/22/08	22-25	--	--	6.2	<0.0005	<0.001	0.008	0.013	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA45	01/18/08	22-25	--	--	3.5	<0.0005	<0.001	0.002	0.002	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA46	01/23/08	22-25	--	--	90	<0.027	<0.054	0.6	0.7	<0.027	--	<1.1	<0.054	<0.054	<0.054	<0.054	<0.054	--	--	--	
BA47	01/25/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA48	02/01/08	22-25	--	--	53	<0.0005	<0.001	0.16	0.61	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA49	01/31/08	22-25	--	--	30	<0.0005	<0.001	0.02	0.061	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA50	02/04/08	22-25	--	--	160	<0.024	<0.047	0.11	0.15	<0.024	--	<0.94	<0.047	<0.047	<0.047	<0.047	<0.047	--	--	--	
BA51	01/29/08	22-25	--	--	7.4	<0.0005	<0.001	0.002	0.003	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA52	01/30/08	22-25	--	--	6.3	<0.0005	<0.001	0.008	0.012	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA53	01/24/08	22-25	--	--	4.0	<0.0005	<0.001	0.002	0.002	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA54	01/24/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA55	01/31/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA56	02/04/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA57	02/05/08	22-25	--	--	10	<0.0005	<0.001	0.004	0.009	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA58	01/31/08	22-25	--	--	6.1	<0.0005	<0.001	0.003	0.005	<0.0005	--	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA59	01/28/08	22-25	--	--	4.2	<0.0005	<0.001	0.006	0.01	<0.0005	--	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA60	01/29/08	22-25	--	--	11	<0.0005	<0.001	<0.001	0.002	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA61	01/23/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA62	01/25/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA63	02/01/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA64	02/06/08	22-25	--	--	2.5	<0.0005	<0.001	<0.001	0.003	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA65	02/07/08	22-25	--	--	49	<0.0005	<0.001	0.007	0.014	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA66	01/29/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	100	1.9	--	21	--	--	--	--	--	--	--	--	--	--	9.7	--	0.063	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	100	2.8	--	32	--	--	--	--	--	--	--	--	--	--	9.7	--	NA	
0 to 5 fbg, C/I - Direct Contact			--	--	100	8.2	--	89	--	--	--	--	--	--	--	--	--	--	45	--	0.68	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	100	12	--	134	--	--	--	--	--	--	--	--	--	--	45	--	NA	
0 to 10 fbg, Utility Worker Direct Contact			--	--	100	14	--	314	--	--	--	--	--	--	--	--	--	--	219	--	4.5	
BA67	01/30/08	22-25	--	--	4.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA68	01/28/08	22-25	--	--	2.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA69	01/24/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA70	02/05/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA71	02/04/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA72	02/05/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA73	02/01/08	22-25	--	--	7.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA74	01/28/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA75	01/29/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA76	01/23/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA77	01/25/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA78	02/01/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA79	01/31/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA80	02/04/08	22-25	--	--	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA81	01/29/08	22-25	--	--	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA82	01/30/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA83	01/28/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA84	01/24/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA85	02/05/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA86	02/04/08	22-25	--	--	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA87	02/06/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA88	01/30/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA89	01/28/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA90	01/29/08	22-25	--	--	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA91*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
BA92	02/06/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA93	02/01/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA94	01/31/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA95	02/04/08	22-25	--	--	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA96	01/29/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA97	01/30/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA98	01/28/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA99	01/25/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA100	02/05/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	*100*	*1.9*	--	*21*	--	--	--	--	--	--	--	--	--	*9.7*	--	*0.063*	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	*100*	*2.8*	--	*32*	--	--	--	--	--	--	--	--	--	*9.7*	--	*NA*	
0 to 5 fbg, C/I - Direct Contact			--	--	*100*	*8.2*	--	*89*	--	--	--	--	--	--	--	--	--	*45*	--	*0.68*	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	*100*	*12*	--	*134*	--	--	--	--	--	--	--	--	--	*45*	--	*NA*	
0 to 10 fbg, Utility Worker Direct Contact			--	--	*100*	*14*	--	*314*	--	--	--	--	--	--	--	--	--	*219*	--	*4.5*	
BA101	02/04/08	22-25	--	--	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.018	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA102	01/28/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA103	01/30/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA104	01/28/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
BA105	01/29/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
EX1	02/13/08	12	575	<36	<1.3	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	<0.050/<0.001	ND	<0.050	
~~EX2~~	~~02/13/08~~	~~4~~	~~8,970~~	~~7,800~~	~~440~~	~~<0.024~~	~~<0.047~~	~~0.35~~	~~1.1~~	~~<0.024~~	--	--	--	--	--	--	--	0.092/0.66	~~ND~~	<0.033	Over-Excavated February 15, 2008
EX2	02/13/08	12	690	<4	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	<0.033/<0.001	ND	<0.033	
EX3	02/13/08	6	755	330	8.8	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	<0.033/0.004	0.0084	<0.033	
EX4	02/13/08	6	435	<4	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	<0.033/<0.001	ND	<0.033	
EX5	02/13/08	6	<334	14	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	<0.033/<0.001	ND	<0.033	
EX6	02/13/08	12	460	<4	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	<0.033/<0.001	ND	<0.033	
EX7	02/13/08	12	<334	9.7	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	<0.033/<0.001	ND	<0.033	
EX8	02/15/08	5	2,180	4,500	680	<0.024	<0.048	0.96	0.84	<0.024	--	--	--	--	--	--	--	1.3/3.1	ND	<0.033	
2007 Vapor Probe Survey																					
~~VP-1~~	~~06/13/07~~	~~3.0~~	--	--	~~48~~	~~<0.003~~	~~0.018~~	~~0.26~~	~~1.93~~	~~<0.003~~	~~<0.51~~	~~<0.10~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	--	--	--	Over-Excavated February 13, 2008
~~VP-1~~	~~06/13/07~~	~~5.0~~	--	--	~~6.1~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.10~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	Over-Excavated February 13, 2008
~~VP-1~~	~~06/13/07~~	~~9.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.099~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	Over-Excavated February 13, 2008
VP-2	06/13/07	3.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.10	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
VP-2	06/13/07	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.10	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
VP-2	06/13/07	9.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.099	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
VP-3	06/13/07	3.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.10	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
VP-3	06/13/07	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.099	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
VP-3	06/13/07	9.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.10	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	*100*	*1.9*	--	*21*	--	--	--	--	--	--	--	--	--	*9.7*	--	*0.063*	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	*100*	*2.8*	--	*32*	--	--	--	--	--	--	--	--	--	*9.7*	--	*NA*	
0 to 5 fbg, C/I - Direct Contact			--	--	*100*	*8.2*	--	*89*	--	--	--	--	--	--	--	--	--	*45*	--	*0.68*	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	*100*	*12*	--	*134*	--	--	--	--	--	--	--	--	--	*45*	--	*NA*	
0 to 10 fbg, Utility Worker Direct Contact			--	--	*100*	*14*	--	*314*	--	--	--	--	--	--	--	--	--	*219*	-- --	*4.5*	
~~VP-4~~	~~06/13/07~~	~~3.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.10~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	Over-Excavated in Jan-Feb 2008
~~VP-4~~	~~06/13/07~~	~~5.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.10~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	Over-Excavated in Jan-Feb 2008
~~VP-4~~	~~06/13/07~~	~~9.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.099~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	Over-Excavated in Jan-Feb 2008
~~VP-5~~	~~06/13/07~~	~~3.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.10~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	Over-Excavated in Jan-Feb 2008
~~VP-5~~	~~06/13/07~~	~~5.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.099~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	Over-Excavated in Jan-Feb 2008
~~VP-5~~	~~06/13/07~~	~~9.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.10~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	Over-Excavated in Jan-Feb 2008
VP-6	06/13/07	3.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.10	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
VP-6	06/13/07	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.10	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
VP-6	06/13/07	9.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.099	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	
2007 Onsite Subsurface Investigation																					
~~SB1~~	~~04/27/07~~	~~5.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~SB1~~	~~04/27/07~~	~~10.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~SB1~~	~~04/27/07~~	~~15.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~SB1~~	~~04/27/07~~	~~19.5~~	--	--	~~140~~	~~<0.003~~	~~<0.005~~	~~0.026~~	~~0.01~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~SB1~~	~~04/27/07~~	~~23.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~0.005~~	~~0.015~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
SB1	04/27/07	27.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--	
~~SB2~~	~~04/27/07~~	~~5.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~SB2~~	~~04/27/07~~	~~10.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~SB2~~	~~04/27/07~~	~~15.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~SB2~~	~~04/27/07~~	~~19.5~~	--	--	~~120~~	~~0.002~~	~~<0.001~~	~~0.23~~	~~0.44~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~SB2~~	~~04/27/07~~	~~23.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
SB2	04/27/07	27.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--	
~~SB3~~	~~04/27/07~~	~~5.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~SB3~~	~~04/27/07~~	~~10.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~SB3~~	~~04/27/07~~	~~15.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~SB3~~	~~04/27/07~~	~~19.5~~	--	--	~~140~~	~~0.0008~~	~~0.001~~	~~0.24~~	~~0.3~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~SB3~~	~~04/27/07~~	~~23.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
SB3	04/27/07	27.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*	*Naphthalene (mg/kg)*	*PCBs (mg/kg)*	*PAHs [1] (mg/kg)*	*Notes*
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	*100*	*1.9*	--	*21*	--	--	--	--	--	--	--	--	--	*9.7*	--	*0.063*	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	*100*	*2.8*	--	*32*	--	--	--	--	--	--	--	--	--	*9.7*	--	*NA*	
0 to 5 fbg, C/I - Direct Contact			--	--	*100*	*8.2*	--	*89*	--	--	--	--	--	--	--	--	--	*45*	--	*0.68*	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	*100*	*12*	--	*134*	--	--	--	--	--	--	--	--	--	*45*	--	*NA*	
0 to 10 fbg, Utility Worker Direct Contact			--	--	*100*	*14*	--	*314*	--	--	--	--	--	--	--	--	--	*219*	--	*4.5*	
SB4	04/27/07	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
SB4	04/27/07	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
SB4	04/27/07	15.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
SB4	04/27/07	19.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
SB4	04/27/07	23.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
SB4	04/27/07	27.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--	--	
2004 Subsurface Investigation																					
B-17	06/28/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-17	06/28/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	<0.001	<0.001	--	--	--	
B-17	06/28/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-18	06/28/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-18	06/28/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-18	06/28/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-19	06/28/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-19	06/28/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-19	06/28/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-20	06/28/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-20	06/28/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-20	06/28/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-21	06/29/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-21	06/29/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-22	06/29/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-22	06/29/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-22	06/29/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
~~B-23~~	~~06/29/04~~	~~5.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.005~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~B-23~~	~~06/29/04~~	~~10.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.005~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	*100*	*1.9*	--	*21*	--	--	--	--	--	--	--	--	--	*9.7*	--	*0.063*	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	*100*	*2.8*	--	*32*	--	--	--	--	--	--	--	--	--	*9.7*	--	*NA*	
0 to 5 fbg, C/I - Direct Contact			--	--	*100*	*8.2*	--	*89*	--	--	--	--	--	--	--	--	--	*45*	--	*0.68*	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	*100*	*12*	--	*134*	--	--	--	--	--	--	--	--	--	*45*	--	*NA*	
0 to 10 fbg, Utility Worker Direct Contact			--	--	*100*	*14*	--	*314*	--	--	--	--	--	--	--	--	--	*219*	--	*4.5*	
~~B-23A~~	~~07/29/04~~	~~13.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.005~~	--	--	--	--	--	~~<0.001~~	~~<0.001~~	--	--	--	Over-Excavated in Jan-Feb 2008
~~B-23A~~	~~07/29/04~~	~~15.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~B-23A~~	~~07/29/04~~	~~19.0~~	--	--	~~2,400~~	~~<0.062~~	~~<0.12~~	~~1.7~~	~~4.1~~	~~<0.062~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~B-23A~~	~~07/29/04~~	~~23.5~~	--	--	~~240~~	~~<0.062~~	~~<0.12~~	~~<0.12~~	~~<0.12~~	~~<0.062~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~B-23A~~	~~07/29/04~~	~~25.0~~	--	--	~~4.2~~	~~<0.001~~	~~<0.002~~	~~0.003~~	~~<0.002~~	~~<0.001~~	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
B-24	06/29/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-24	06/29/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-24	06/29/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-25	07/29/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-25	07/29/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-25	07/29/04	15.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-25	07/29/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
B-25	07/29/04	25.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--	--	--	--	
1992 Additional Environmental Assessment[6]																					
MW-15	11/11/92	20.0	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-15	11/11/92	30.0	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-16	12/08/92	10.0	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-16	12/08/92	20.0	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
1992 Soil Excavation[2]																					
ES-10W	01/09/92	10.0	--	<10	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
ES-8C	01/09/92	8.0	--	270[3]	310	<0.05	<0.05	0.88	2.8	--	--	--	--	--	--	--	--	--	--	--	
EE-5N	01/09/92	5.0	--	<10	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
EE-10S	01/09/92	10.0	--	<10	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
EN-5W	01/09/92	5.0	--	<10	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
EN-10E	01/09/92	10.0	--	<10	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
EW-5S	01/09/92	5.0	--	<10	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
EW-10N	01/09/92	10.0	--	<10	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
EB-NE	01/09/92	14.0	--	<10	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
EB-NW	01/09/92	14.0	--	<10	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	*100*	*1.9*	--	*21*	--	--	--	--	--	--	--	--	--	*9.7*	--	*0.063*	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	*100*	*2.8*	--	*32*	--	--	--	--	--	--	--	--	--	*9.7*	--	*NA*	
0 to 5 fbg, C/I - Direct Contact			--	--	*100*	*8.2*	--	*89*	--	--	--	--	--	--	--	--	--	*45*	--	*0.68*	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	*100*	*12*	--	*134*	--	--	--	--	--	--	--	--	--	*45*	--	*NA*	
0 to 10 fbg, Utility Worker Direct Contact			--	--	*100*	*14*	--	*314*	--	--	--	--	--	--	--	--	--	*219*	--	*4.5*	
EB-SW	01/09/92	14.0	--	<10	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
E2S-5E	01/09/92	5.0	--	<10	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
E2B	01/09/92	14.0	--	<10	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
SP1	01/09/92	--	--	<10	14[4]	<0.05	<0.05	<0.05	0.09	--	--	--	--	--	--	--	--	--	--	--	
SP2	01/09/07	--	--	<10	14[4]	<0.05	<0.05	<0.05	0.07	--	--	--	--	--	--	--	--	--	--	--	
SP3	01/09/07	--	--	<10	5[5]	<0.05	0.014	0.025	71	--	--	--	--	--	--	--	--	--	--	--	
1992 Subsurface Investigation[6]																					
MW-13	10/03/91	15.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
MW-13	10/03/91	20.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
MW-13	10/03/91	25.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
MW-14[9]	10/03/91	10.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
MW-14[9]	10/03/91	20.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
MW-14[9]	10/03/91	25.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-A	10/05/91	10.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-A	10/05/91	15.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-A	10/05/91	20.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-A	10/05/91	25.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-A	10/05/91	30.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-B	10/05/91	10.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-B	10/05/91	15.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-B	10/05/91	20.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-B	10/05/91	25.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-C	10/05/91	10.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-C	10/05/91	15.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-C	10/05/91	20.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-C	10/05/91	25.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
B-C	10/05/91	28.5	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	*100*	*1.9*	--	*21*	--	--	--	--	--	--	--	--	--	*9.7*	--	*0.063*	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	*100*	*2.8*	--	*32*	--	--	--	--	--	--	--	--	--	*9.7*	--	*NA*	
0 to 5 fbg, C/I - Direct Contact			--	--	*100*	*8.2*	--	*89*	--	--	--	--	--	--	--	--	--	*45*	--	*0.68*	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	*100*	*12*	--	*134*	--	--	--	--	--	--	--	--	--	*45*	--	*NA*	
0 to 10 fbg, Utility Worker Direct Contact			--	--	*100*	*14*	--	*314*	--	--	--	--	--	--	--	--	--	*219*	--	*4.5*	
~~B-D~~	~~10/05/91~~	~~10.0~~	--	--	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~B-D~~	~~10/05/91~~	~~15.0~~	--	--	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~B-D~~	~~10/05/91~~	~~20.0~~	--	--	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~B-D~~	~~10/05/91~~	~~25.0~~	--	--	~~120~~	~~ND~~	~~0.16~~	~~0.14~~	~~1.8~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
B-D	10/05/91	28.5	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	
1989 Subsurface Investigation[7]																					
~~B-4~~	~~04/11/89~~	~~6.0~~	--	--	~~<5.0~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.01~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated January 1992
B-4	04/11/89	16.0	--	--	<2.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
B-4	04/11/89	23.2	--	--	<2.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
B-5	04/11/89	9.5	--	--	<2.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
B-5	04/11/89	14.5	--	--	<2.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
B-5	04/11/89	22.0	--	--	<2.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
B-6	04/11/89	9.5	--	--	<2.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
B-6	04/11/89	14.5	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
B-6	04/11/89	22.0	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
B-7	04/12/89	4.2	--	--	<1.0	<0.001	<0.001	<0.001	<0.002	--	--	--	--	--	--	--	--	--	--	--	
B-7	04/12/89	9.2	--	--	<1.0	<0.001	<0.001	<0.001	<0.002	--	--	--	--	--	--	--	--	--	--	--	
B-7	04/12/89	14.0	--	--	<0.5	<0.001	<0.001	<0.001	<0.002	--	--	--	--	--	--	--	--	--	--	--	
B-7	04/12/89	21.6	--	--	<0.5	<0.001	<0.001	<0.001	<0.002	--	--	--	--	--	--	--	--	--	--	--	
~~MW-4 (B-8)~~	~~04/12/89~~	~~4.5~~	--	--	~~600~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.002~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in January 1992
~~MW-4 (B-8)~~	~~04/12/89~~	~~9.6~~	--	--	~~600~~	~~<0.01~~	~~<0.01~~	~~<0.01~~	~~<0.02~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in January 1992
~~MW-4 (B-8)~~	~~04/12/89~~	~~9.6~~	--	--	~~450~~	~~<0.02~~	~~<0.02~~	~~<0.02~~	~~<0.04~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in January 1992
MW-4 (B-8)	04/12/89	14.5	--	--	<1.0	<0.02	<0.02	<0.02	<0.004	--	--	--	--	--	--	--	--	--	--	--	
MW-4 (B-8)	04/12/89	22.5	--	--	<1.0	<0.02	<0.02	<0.02	<0.004	--	--	--	--	--	--	--	--	--	--	--	
MW-4 (B-8)	04/12/89	29.5	--	--	<1.0	<0.02	<0.02	<0.02	<0.004	--	--	--	--	--	--	--	--	--	--	--	
MW-4 (B-8)	04/12/89	34.5	--	--	<1.0	<0.02	<0.02	<0.02	<0.004	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	100	1.9	--	21	--	--	--	--	--	--	--	--	--	9.7	--	0.063	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	100	2.8	--	32	--	--	--	--	--	--	--	--	--	9.7	--	NA	
0 to 5 fbg, C/I - Direct Contact			--	--	100	8.2	--	89	--	--	--	--	--	--	--	--	--	45	--	0.68	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	100	12	--	134	--	--	--	--	--	--	--	--	--	45	--	NA	
0 to 10 fbg, Utility Worker Direct Contact			--	--	100	14	--	314	--	--	--	--	--	--	--	--	--	219	--	4.5	
~~MW-5 (B-9)~~	~~04/14/89~~	~~9.0~~	~~--~~	~~--~~	~~<0.5~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.010~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	Over-Excavated in May 2011
MW-5 (B-9)	04/14/89	14.0	--	--	<0.5	<0.005	<0.005	<0.005	<0.010	--	--	--	--	--	--	--	--	--	--	--	
MW-5 (B-9)	04/14/89	21.0	80	--	<0.1	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
MW-5 (B-9)	04/14/89	29.5	--	--	<0.5	<0.005	<0.005	<0.005	<0.010	--	--	--	--	--	--	--	--	--	--	--	
MW-5 (B-9)	04/14/89	33.5	--	--	<5.0	<0.005	<0.005	<0.005	<0.010	--	--	--	--	--	--	--	--	--	--	--	
MW-6 (B-10)	04/13/89	9.5	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
MW-6 (B-10)	04/13/89	14.5	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
MW-6 (B-10)	04/13/89	21.5	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
MW-6 (B-10)	04/13/89	27.0	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
~~MW-7 (B-11)~~	~~04/13/89~~	~~9.5~~	--	--	~~<0.1~~	~~<0.002~~	~~<0.002~~	~~<0.002~~	~~<0.004~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~MW-7 (B-11)~~	~~04/13/89~~	~~14.3~~	--	--	~~<2.0~~	~~<0.0002~~	~~<0.0002~~	~~<0.0002~~	~~<0.0004~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~MW-7 (B-11)~~	~~04/13/89~~	~~19.3~~	--	--	~~650~~	~~<0.01~~	~~<0.01~~	~~0.140~~	~~0.950~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~MW-7 (B-11)~~	~~04/13/89~~	~~23.5~~	--	--	~~45,000~~	~~<0.1~~	~~4.0~~	~~3.5~~	~~12~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
~~MW-7 (B-11)~~	~~04/13/89~~	~~23.5~~	--	--	~~50,000~~	~~<0.2~~	~~4.1~~	~~5.0~~	~~20~~	--	--	--	--	--	--	--	--	--	--	--	Over-Excavated in Jan-Feb 2008
MW-7 (B-11)	04/13/89	29.5	--	--	<1.0	<0.001	<0.001	<0.001	<0.002	--	--	--	--	--	--	--	--	--	--	--	
MW-8 (B-12)	04/19/89	9.5	--	--	<1.0	<0.002	0.003	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
MW-8 (B-12)	04/19/89	14.5	--	--	<2.0	<0.005	<0.005	<0.005	<0.01	--	--	--	--	--	--	--	--	--	--	--	
MW-8 (B-12)	04/19/89	21.0	--	--	<1.0	<0.002	0.003	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
MW-8 (B-12)	04/19/89	24.3	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
MW-8 (B-12)	04/19/89	27.5	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--	--	--	--	
MW-11 (B-13)	06/18/90	16.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-11 (B-13)	06/18/90	21.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-11 (B-13)	06/18/90	28.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-12 (B-14)	06/19/90	16.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-12 (B-14)	06/19/90	21.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-12 (B-14)	06/19/90	29.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-10 (B-15)	06/20/90	16.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-10 (B-15)	06/20/90	19.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-10 (B-15)	06/20/90	25.2	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	*100*	*1.9*	--	*21*	--	--	--	--	--	--	--	--	--	*9.7*	--	*0.063*	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	*100*	*2.8*	--	*32*	--	--	--	--	--	--	--	--	--	*9.7*	--	*NA*	
0 to 5 fbg, C/I - Direct Contact			--	--	*100*	*8.2*	--	*89*	--	--	--	--	--	--	--	--	--	*45*	--	*0.68*	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	*100*	*12*	--	*134*	--	--	--	--	--	--	--	--	--	*45*	--	*NA*	
0 to 10 fbg, Utility Worker Direct Contact			--	--	*100*	*14*	--	*314*	--	--	--	--	--	--	--	--	--	*219*	--	*4.5*	
MW-9 (B-16)	06/21/90	6.2	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-9 (B-16)	06/21/90	10.6	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-9 (B-16)	06/21/90	15.6	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-9 (B-16)	06/21/90	18.8	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
MW-9 (B-16)	06/21/90	25.6	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	
1989 Soil Sampling and Monitoring Well Installation[8]																					
MW-1 (B-1)	10/26/88	5.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-1 (B-1)	10/26/88	10.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-1 (B-1)	10/26/88	15.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-1 (B-1)	10/26/88	20.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-1 (B-1)	10/26/88	29.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-1 (B-1)	10/26/88	34.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2 (B-2)	10/26/88	5.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-2 (B-2)	10/26/88	10.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-2 (B-2)	10/26/88	15.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-2 (B-2)	10/26/88	19.0	--	--	12	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-2 (B-2)	10/26/88	20.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-2 (B-2)	10/26/88	25.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-2 (B-2)	10/26/88	30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3 (B-3)	10/26/88	5.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-3 (B-3)	10/26/88	10.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-3 (B-3)	10/26/88	15.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-3 (B-3)	10/26/88	20.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-3 (B-3)	10/26/88	25.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-3 (B-3)	10/26/88	30.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--	--	--	--	
MW-3 (B-3)	10/26/88	34.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL TABLE
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	PCBs (mg/kg)	PAHs [1] (mg/kg)	Notes
Low Threat Policy Criteria - Direct Contact and Outdoor Air Exposure																					
0 to 5 fbg, Residential - Direct Contact			--	--	100	1.9	--	21	--	--	--	--	--	--	--	--	--	--	9.7	--	0.063	
5 to 10 fbg, Residential - Outdoor Air Exp			--	--	100	2.8	--	32	--	--	--	--	--	--	--	--	--	--	9.7	--	NA	
0 to 5 fbg, C/I - Direct Contact			--	--	100	8.2	--	89	--	--	--	--	--	--	--	--	--	--	45	--	0.68	
5 to 10 fbg, C/I, Outdoor Air Exposure			--	--	100	12	--	134	--	--	--	--	--	--	--	--	--	--	45	--	NA	
0 to 10 fbg, Utility Worker Direct Contact			--	--	100	14	--	314	--	--	--	--	--	--	--	--	--	--	219	--	4.5	

Abbreviations/Notes:
Total Petroleum hydrocarbons as Diesel (TPHd) by EPA method 8015B mod with silica gel cleanup unless otherwise noted.
Total petroleum hydrocarbons as gasoline (TPHg) by EPA method 8015 unless otherwise noted.
Benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tert-butyl ether (MTBE), ethanol, t-butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl t-butyl ether (ETBE), t-amyl methyl ether (TAME), 1,2-dibromoethane (EDB) and 1,2-dichloroethane (1,2-DCA) by EPA method 8260 unless otherwise noted.
Total Organic Carbon by EPA method 9060.
Poly chlorinated biphenyl (PCBs) by EPA method 8082.
Napthalene by EPA Method 8270/8260
Poly-aromatic hydrocarbons (PAHs) by EPA Method 8270
[1] Based on the seven carcinogenci PAHs as benzo(a)pyrene toxicity equivalent (BAPE).
[2] TPHd, TPHg and BTEX by unknown method.
[3] Diesel range concentration noted, non standard diesel pattern observed.
[4] Gasoline concentration noted, non standard gasoline pattern observed.
[5] Gasoline concentration noted, majority of peaks observed in Diesel range.
[6] TPHg by EPA method 8015/5030, BTEX by EPA method 8020.
[7] TPHg reported as Total Purgeable Petroleum Hydrocarbons (TPPH) by EPA method 8260, Oil and Grease by EPA Method 503E.
[8] TPHg reported as Total Fuel Hydrocarbons (TFH) by EPA method 8015, BTEX by EPA method 8020.
[9] No Halogenated Volatile Organics (HVOCs) detected by EPA Method 8010
~ = Measured in parts per billion (ppb).
fbg = Feet below grade.
*=sample not collected.
ND = Not detectable above laboratory detection limits.
-- = Not analyzed or not applicable.
<x = Not detected above lab detection limit.
Bold = Concentration exceeds applicable ESL
~~Strikethrough~~ = Soil excavated.

TABLE 2
CUMULATIVE SOIL ANALYTICAL DATA - METALS
FORMER CHEVRON STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Date*	*(fbg)*	Hg *(mg/kg)*	Tl *(mg/kg)*	As *(mg/kg)*	Se *(mg/kg)*	Sb *(mg/kg)*	Ba *(mg/kg)*	Be *(mg/kg)*	Cd *(mg/kg)*	Cr (III) *(mg/kg)*	Co *(mg/kg)*	Cu *(mg/kg)*	Pb *(mg/kg)*	Mo *(mg/kg)*	Ni *(mg/kg)*	Ag *(mg/kg)*	V *(mg/kg)*	Zn *(mg/kg)*	*Notes*
Soil Sample Near former Used-Oil UST Excavation (February 2008)																				
EX-9	01/04/11	5.0	--	--	--	--	--	--	--	0.550	16.4	--	--	2.60	--	84.2	--	--	38.8	
Soil Stockpile Samples																				
SP-1	01/05/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-2	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-3	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-4	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-5	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-6	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-7	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-8	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-9	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-10	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-11	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-12	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-13	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-14	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-15	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-16	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-17	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-18	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-19	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-20	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-21	01/06/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
~~OHA-1~~	~~01/18/11~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~<1.5~~	~~36~~	~~--~~	~~--~~	~~48~~	~~--~~	~~23~~	~~--~~	~~--~~	~~56~~	Over-Excavated on January 25, 2011
~~B-1~~	~~01/25/11~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~8.6~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	Over-Excavated on January 25, 2011
Additional Soil Profile Samples																				
SP-23	01/11/11	Surface		--	--	--	--	--	--	~~<0.25~~	~~39~~	--	--	~~<5.0~~	--	~~18~~	--	--	~~14~~	Over-Excavated on January 25, 2011
SP-24	01/11/11	Surface		--	--	--	--	--	--	~~--~~	~~--~~	--	--	~~<5.0~~	--	~~--~~	--	--	~~--~~	Over-Excavated on January 25, 2011
SP-25	01/11/11	Surface		--	--	--	--	--	--	~~--~~	~~--~~	--	--	~~5.2~~	--	~~--~~	--	--	~~--~~	Over-Excavated on January 25, 2011
SP-26	01/11/11	Surface		--	--	--	--	--	--	~~--~~	~~--~~	--	--	~~<5.0~~	--	~~--~~	--	--	~~--~~	Over-Excavated on January 25, 2011
SP-27	01/11/11	Surface		--	--	--	--	--	--	~~--~~	~~--~~	--	--	~~<5.0~~	--	~~--~~	--	--	~~--~~	Over-Excavated on January 25, 2011
SP-28	01/11/11	Surface		--	--	--	--	--	--	~~--~~	~~--~~	--	--	~~<5.0~~	--	~~--~~	--	--	~~--~~	Over-Excavated on January 25, 2011
SP-29	01/11/11	Surface		--	--	--	--	--	--	~~--~~	~~--~~	--	--	~~<5.0~~	--	~~--~~	--	--	~~--~~	Over-Excavated on January 25, 2011
Debris-1	01/11/11	--		--	--	--	--	--	--	~~21~~	~~27~~	--	--	~~5,400~~	--	~~24~~	--	--	~~2,100~~	Over-Excavated on January 25, 2011
Debris-1-Rerun	01/11/11	--		--	--	--	--	--	--	~~12~~	~~46~~	--	--	~~1,400~~	--	~~35~~	--	--	~~800~~	Over-Excavated on January 25, 2011
Additional Excavation Soil Samples																				
X-3	01/25/11	3.0		--	--	--	--	--	--	--	--	--	--	6.6	--	--	--	--	--	
~~OT-1~~[3]	~~01/25/11~~	~~1.0~~		~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~1.3~~	~~30~~	--	--	~~110~~	--	~~11~~	--	--	~~360~~	Over-Excavated on April 6, 2011
OT-2	04/06/11	2.0		--	--	--	--	--	--	<1.5	52	--	--	<5.0	--	38	--	--	23	
OT-3	04/06/11	3.0		--	--	--	--	--	--	<1.5	71	--	--	<5.0	--	55	--	--	39	
~~GT-1-8~~[2]	~~05/03/11~~	~~8.0~~		~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~<0.25~~	~~64~~	--	--	~~29~~	--	~~41~~	--	--	~~24~~	Over-Excavated on May 27, 2011
~~GT-2-5~~[2]	~~05/03/11~~	~~5.0~~		~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~<0.25~~	~~65~~	--	--	~~11~~	--	~~50~~	--	--	~~36~~	Over-Excavated on May 27, 2011
~~GT-3-5~~[2]	~~05/03/11~~	~~5.0~~		~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~<0.25~~	~~74~~	--	--	~~65~~	--	~~59~~	--	--	~~49~~	Over-Excavated on May 27, 2011
~~C-1 (stockpile)~~	~~05/03/11~~	~~--~~		~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~<1.5~~	~~52~~	--	--	~~940~~	--	~~28~~	--	--	~~110~~	Over-Excavated on May 27, 2011

TABLE 2
CUMULATIVE SOIL ANALYTICAL DATA - METALS
FORMER CHEVRON STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Date*	*(fbg)*	Hg *(mg/kg)*	Tl *(mg/kg)*	As *(mg/kg)*	Se *(mg/kg)*	Sb *(mg/kg)*	Ba *(mg/kg)*	Be *(mg/kg)*	Cd *(mg/kg)*	Cr (III) *(mg/kg)*	Co *(mg/kg)*	Cu *(mg/kg)*	Pb *(mg/kg)*	Mo *(mg/kg)*	Ni *(mg/kg)*	Ag *(mg/kg)*	V *(mg/kg)*	Zn *(mg/kg)*	*Notes*
~~OE-E-10.4~~	~~05/27/11~~	~~10.4~~		~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~<1.5~~	~~61~~	--	--	~~<5.0~~	--	~~47~~	--	--	~~24~~	Over-Excavated on June 10, 2011
~~OE-E-7~~	~~05/27/11~~	~~7.0~~		~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~--~~	~~<1.5~~	~~76~~	--	--	~~140~~	--	~~38~~	--	--	~~33~~	Over-Excavated on June 10, 2011
OE-N-7	05/27/11	7.0		--	--	--	--	--	--	<1.5	62	--	--	<5.0	--	36	--	--	25	
OE-C-12.5	05/27/11	12.5		--	--	--	--	--	--	<1.5	45	--	--	<5.0	--	51	--	--	18	
OE-5-7.8	05/27/11	7.8		--	--	--	--	--	--	<1.5	100	--	--	<5.0	--	34	--	--	20	
OE-W-6.3	05/27/11	6.3		--	--	--	--	--	--	<1.5	70	--	--	<5.0	--	39	--	--	27	
OE-W-11.4	05/27/11	11.4		--	--	--	--	--	--	<1.5	43	--	--	<5.0	--	41	--	--	19	
OE-W2-6.3	05/27/11	6.3		--	--	--	--	--	--	<1.5	61	--	--	<5.0	--	33	--	--	22	
OE-E2-C	06/10/11	12.5		--	--	--	--	--	--	<1.5	68	--	--	<5.0	--	48	--	--	27	
OE-E2-6	06/10/11	6.0		--	--	--	--	--	--	<1.5	51	--	--	<5.0	--	44	--	--	21	
EX1	2/13/08	12	<0.102	3.04	4.01	<0.96	<0.885	71.8	0.243	0.741	86.9	7.22	7.87	2.68	<0.402	55.1	0.404	50.2	26.9	
~~EX2~~	~~2/13/08~~	~~4~~	~~0.0178~~	~~1.8~~	~~3.26~~	~~<0.95~~	~~<0.877~~	~~76~~	~~0.304~~	~~0.569~~	~~54.6~~	~~15.9~~	~~10.2~~	~~4.16~~	~~0.422~~	~~31.3~~	~~0.476~~	~~43~~	~~20.1~~	Over-Excavated February 15, 2008
EX2	2/13/08	12	0.0118	2.55	3.8	<0.969	<0.894	71.8	0.272	0.686	74.3	7.51	7.13	3.06	<0.406	53	0.401	47.1	25.2	
EX3	2/13/08	6	0.0271	2.08	3.99	<0.960	<0.885	88.4	0.359	0.635	63.8	7.31	10.3	3.85	<0.402	50.3	0.389	44.2	26.3	
EX4	2/13/08	6	0.0194	2.08	3.47	<0.969	<0.894	81.4	0.303	0.608	63	7.79	9.19	3.33	<0.406	44.2	0.344	41.9	24.9	
EX5	2/13/08	6	0.0196	2.03	2.57	<0.950	<0.877	76.1	0.277	0.586	61	4.91	9.39	3.11	<0.398	42.6	0.345	40.6	24.6	
EX6	2/13/08	12	0.0388	2.15	3.89	<0.969	<0.894	88.6	0.325	0.675	64.1	7.73	12.7	3.95	0.423	38.1	0.399	48.9	27.8	
EX7	2/13/08	12	0.0162	2.05	2.67	<0.941	<0.868	56.2	0.216	0.505	60.1	5.75	7.95	2.91	<0.394	27.4	0.368	37.6	18.6	
EX8	2/15/08	5	0.0371	<0.905	2.89	<0.932	<0.860	69.8	0.305	0.0857	51.9	5.29	10.3	24.2	<0.390	37.7	<0.162	37.5	35.7	
MW-5 (B-9)	04/14/89	9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5 (B-9)	04/14/89	14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5 (B-9)[3]	04/14/89	21.0	--	--	--	--	--	--	--	<10	27	--	--	<1	--	--	--	--	17	
MW-5 (B-9)	04/14/89	29.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5 (B-9)	04/14/89	33.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Abbreviations/Notes:
Mercury (Hg) by EPA method 7471A.
Thallium (Tl), arsenic(As), selenium (Se), antimony (Sb), barium (Ba), beryllium (Be), cadmium (Cd), trivalent chromium (Cr (III)), cobalt (CO), copper (Cu), lead (Pb), molybdenum (Mo), nickel (Ni), silver (Ag), vandium (V), and zinc (Zn) by EPA Method 6010B, unless otherwise noted.
~ = Measured in parts per billion (ppb).
fbg = Feet below grade.
*=sample not collected.
ND = Not detectable above laboratory detection limits.
-- = Not analyzed or not applicable.
<x = Not detected above lab detection limit.
Bold = Concentration exceeds applicable ESL
~~Strikethrough~~ = Soil excavated.
[1] Cd, Cr(III), Pb, Ni, and Zn by EPA Method 3050
[2] Cd, Cr(III), Pb, Ni, and Zn by EPA Method 6020
[3] Cd, Cr, Pb, and Zn by EPA Methods 7131, 7191, 7421, and 7950

TABLE 3
WELL CONSTRUCTION DETAILS
FORMER CHEVRON STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Well ID	*Date installed*	*Status*	*Date Destroyed*	*Top of Casing*	*Casing Diameter (inches)*	*Total Depth (fbg)*	*Top of Screen Interval (fbg)*	*Bottom Screen of Interval (fbg)*	*Length of Screen (fbg)*
MW-1	10/26/1988	Abandoned	1/17/1998	29.82	4	34	19	29	10.0
MW-2	10/27/1988	Abandoned	1/17/1998	30.59	4	33	21	28.5	7.5
MW-3	10/27/1988	Abandoned	1/17/1998	30.09	4	35.5	22	32	10.0
MW-4	4/12/1989	Abandoned	1/17/1998	31.17	4	36.5	19	33	14
MW-5	4/14/1989	Abandoned	1/17/1998	30.28	4	34	22	32	10
MW-6	4/13/1989	Abandoned	1/17/1998	29.46	4	26	19	26	7
MW-7	4/13/1989	Abandoned	1/22/2008	29.01	4	31	17.5	27	9.5
MW-8	4/19/1989	Abandoned	1/17/1998	29.57	4	28	18.5	26	7.5
MW-9	6/20/1990	Active		28.68	2	27.5	20	25	5
MW-10	6/20/1990	Abandoned	1/17/1998	28.6	2	27	18	24	6
MW-11	6/18/1990	Abandoned	1/17/1998	29.37	2	29.5	19	26	7
MW-12	6/19/1990	Abandoned	1/17/1998	28.43	2	29.5	18.5	26	7.5
MW-13	10/3/1991	Active		28.62	2	28	18	28	10
MW-14	10/3/1991	Abandoned	1/17/1998	29.46	2	28.5	17	27	10
MW-15	11/11/1992	Active		28.04	2	30	13	28	15
MW-16	12/8/1992	Active		28.32	2	31.5	15	30	15
MW-17	10/9/2010	Active		34.53	2	35	17	24	7

Notes/Abbreviations
fbg= feet below ground
DTW = depth to water

TABLE 4
CUMULATIVE SOIL VAPOR ANALYTICAL DATA
FORMER CHEVRON STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	TPH (C5+)	TPHg (By TO-3)	TPHg (By TO-15)	Benzene	Toluene	Ethyl-benzene	Total Xylenes [1]	MTBE	TBA	DIPE	ETBE	TAME	EDB	1,2-DCA	Naph-thalene	Chloroform	Ethanol	Other HVOCs	Isobutane [2]	O_2	CO_2	N_2	CH_4	Helium
			Concentrations reported in micrograms per cubic meter ($\mu g/m^3$)																		ppbv	Concentrations reported in % volume				
Low Threat Underground Storage Tank Case Closure Policy - Direct Measrement of Soil Gas Concentrations																										
No bioattenuation zone (0_2 <4%)	*Residential*					*85*		*1,100*									*93*									
	Commercial					*280*		*3,600*									*310*									
Bioattenuation zone (0_2 >4%)	*Residential*					*85,000*		*1,100,000*									*93,000*									
	Commercial					*280,000*		*3,600,000*									*310,000*									
2007 to 2009 Vapor Probe Data																										
VP-1-5	06/18/07	5.0-5.5	1,000,000	1,100,000	--	110	220	480	1,000	<56	<190	<260	<260	<260	<120	<63	<330	<46	<120	ND	ND	4.5	10	--	--	--
VP-1-5	LAB DUPLICATE		1,100,000	1,100,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6	10	--	--	--
VP-1-10	06/18/07	10.0-10.5	2,600,000	2,600,000	--	2,600	2,000	4,800	5,000	<21	<70	<97	<97	<97	<44	<23	740	<17	<44	ND	ND	5.0	6.1	--	--	--
VP-1R-5	04/10/08	5.0-5.5	--	<240	--	<3.7	<4.4	<5.0	<5.0	<4.2	<14	<19	<19	<19	<9.0	<4.7	<24	<3.4	<8.8	ND	--	4.6	0.29	--	--	<0.12
VP-1R-5	10/26/09	5.0-5.5	--	--	<97	<3.8	<4.5	<5.1	<5.1	<4.3	--	--	--	--	--	--	<25UJ	--	--	--	--	13	4.3	83	<0.00024	<0.12
VP-1R-10	04/10/08	10.0-10.5	--	<230	--	<3.6	<4.3	<5.0	<5.0	<4.1	<14	<19	<19	<19	<8.8	<4.6	<24	<3.4	<8.6	ND	--	2.3	0.20	--	--	<0.11
VP-1R-10	LAB DUPLICATE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.3	0.20	--	--	<0.11
VP-1R-10	10/26/09	10.0-10.5	--	--	<99	<3.9	<4.6	<5.2	<5.2	<4.4	--	--	--	--	--	--	<25UJ	--	--	--	--	10	5.5	84	<0.00024	<0.12
VP-2-5	06/18/07	5.0-5.5	9,300	8,900	--	7.9	420	170	530	<4.4	<15	<21	<21	<21	<9.5	<5.0	<26	14	<9.3	ND	--	16	1.2	--	--	--
VP-2-5	04/10/08	5.0-5.5	--	1,600	--	<3.9	<4.6	<5.2	8.2	<4.4	<15	<20	<20	<20	<9.3	<4.9	<25	<3.5	<9.1	ND	--	15	2.8	--	--	<0.12
VP-2-5	LAB DUPLICATE		--	1,500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2-5	10/26/09	5.0-5.5	--	--	290J	<3.9	9.4	<5.3	17	<4.4	--	--	--	--	--	--	<26UJ	--	--	--	--	15	3.7	81	<0.00024	<0.12
VP-2-10	06/18/07	10.0-10.5	4,300	4,000	--	12	280	66	260	<4.4	<15	<20	<20	<20	<9.3	<4.9	<25	<3.5	<9.1	ND	--	16	2.3	--	--	--
VP-2-10	LAB DUPLICATE		4,500	4,200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2-10	04/10/08	10.0-10.5	--	<250	--	<3.9	<4.6	<5.4	<5.4	<4.4	<15	<21	<21	<21	<9.5	<5.0	<26	<3.6	<9.3	ND	--	14	3.6	--	--	<0.12
VP-2-10 DUP	04/10/08	10.0-10.5	--	<250	--	<3.9	<4.6	<5.4	<5.4	<4.4	<15	<21	<21	<21	<9.5	<5.0	<26	<3.6	<9.3	ND	--	14	3.6	--	--	<0.12
VP-2-10	10/26/09	10.0-10.5	--	--	3,900J	<4.1	<4.9	<5.6	<5.6	<4.7	--	--	--	--	--	--	<27UJ	--	--	--	--	14	4.7	81	<0.00026	<0.13
VP-2-10 DUP	10/26/09	10.0-10.5	--	--	250J	<4.0	<4.8	<5.5	<5.5	<4.6	--	--	--	--	--	--	<26UJ	--	--	--	--	15	4.9	80	<0.00025	<0.13
VP-3-5	06/18/07	5.0-5.5	9,100	8,200	--	29	600	120	490	<4.4	<15	<20	<20	<20	<9.3	<4.9	<25	<3.5	<9.1	ND	--	16	0.80	--	--	--
VP-3-5 DUP	06/18/07	5.0-5.5	9,100	8,200	--	28	590	120	490	<4.4	<15	<20	<20	<20	<9.3	<4.9	<25	4.3	<9.1	ND	--	16	0.79	--	--	--
VP-3-5	04/10/08	5.0-5.5	--	330	--	<3.4	6.5	7.8	32	<3.9	<13	<18	<18	<18	<8.3	<4.4	<23	<3.2	<8.1	8.1 a	--	13	2.1	--	--	<0.11
VP-3-5	LAB DUPLICATE		--	--	--	<3.4	6.4	8.3	32	<3.9	<13	<18	<18	<18	<8.3	<4.4	<23	<3.2	<8.1	8.0 a	--	--	--	--	--	--
VP-3-5	10/26/09	5.0-5.5	--	--	310J	<4.1	<4.8	<5.5	<5.5	<4.6	--	--	--	--	--	--	<27UJ	--	--	--	--	13	3.1	84	<0.00026	<0.13
VP-3-10	06/18/07	10.0-10.5	11,000	10,000	--	56	1,000	170	630	<4.4	<15	<20	<20	<20	<9.3	<4.9	<25	4.3	<9.1	ND	ND	15	0.93	--	--	--
VP-3-10	LAB DUPLICATE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15	0.93	--	--	--
VP-3-10	04/10/08	10.0-10.5	--	<250	--	<3.9	<4.6	<5.2	<5.2	<4.4	<15	<20	<20	<20	<9.3	<4.9	<25	<3.5	<9.1	ND	--	16	1.7	--	--	<0.12
VP-3-10	10/26/09	10.0-10.5	--	--	<100	<4.0	<4.8	<5.5	<5.5	<4.6	--	--	--	--	--	--	<26UJ	--	--	--	--	13	4.6	82	<0.00025	<0.13

TABLE 4
CUMULATIVE SOIL VAPOR ANALYTICAL DATA
FORMER CHEVRON STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	TPH (C5+)	TPHg (By TO-3)	TPHg (By TO-15)	Benzene	Toluene	Ethyl-benzene	Total Xylenes [1]	MTBE	TBA	DIPE	ETBE	TAME	EDB	1,2-DCA	Naph-thalene	Chloroform	Ethanol	Other HVOCs	Isobutane [2]	O_2	CO_2	N_2	CH_4	Helium
			Concentrations reported in micrograms per cubic meter ($\mu g/m^3$)																		ppbv	Concentrations reported in % volume				
Low Threat Underground Storage Tank Case Closure Policy - Direct Measrement of Soil Gas Concentrations																										
No bioattenuation zone (0_2 <4%)	*Residential*					*85*		*1,100*									*93*									
	Commercial					*280*		*3,600*									*310*									
Bioattenuation zone (0_2 >4%)	*Residential*					*85,000*		*1,100,000*									*93,000*									
	Commercial					*280,000*		*3,600,000*									*310,000*									
VP-4-5	06/18/07	5.0-5.5	14,000	13,000	--	26	620	130	520	<4.4	<15	<20	<20	<20	<9.3	<4.9	<25	<3.5	18	ND	--	14	0.88	--	--	--
VP-4-10	06/18/07	10.0-10.5	10,000	9,800	--	15	310	120	280	<4.3	<14	<20	<20	<20	<9.1	<4.8	<25	<3.5	<9.0	ND	--	13	2.9	--	--	--
VP-4-10	LAB DUPLICATE		--	--	--	14	310	120	280	<4.3	<14	<20	<20	<20	<9.1	<4.8	<25	<3.5	<9.0	ND	--	--	--	--	--	--
VP-4R-5	04/10/08	5.0-5.5	--	380	--	<3.6	<4.2	<4.9	<4.9	<4.0	<14	<19	<19	<19	<8.6	<4.5	<23	10	<8.4	20 a	--	8.1	0.56	--	--	<0.11
VP-4R-5	10/26/09	5.0-5.5	--	--	340J	<3.6	<4.2	<4.9	<4.9	<4.1	--	--	--	--	--	--	<24UJ	--	--	--	--	9.8	3.8	86	<0.00023	<0.11
VP-4R-10	04/10/08	10.0-10.5	--	1,100	--	6.3	10	<5.6	15	<4.6	<16	<22	<22	<22	<9.9	<5.2	<27	4.0	<9.7	15 a	--	7.7	2.7	--	--	<0.13
VP-4R-10	10/26/09	10.0-10.5	--	--	690J	<3.6	<4.3	<4.9	14	<4.1	--	--	--	--	--	--	<24UJ	--	--	--	--	7.7	6.2	86	<0.00023	<0.11
VP-5-5	06/18/07	5.0-5.5	20,000	19,000	--	35	820	160	590	<4.3	<14	<20	<20	<20	<9.1	<4.8	<25	6.4	<9.0	ND	--	17	0.15	--	--	--
VP-5-10	06/18/07	10.0-10.5	8,100	6,900	--	9.0	160	42	130	<4.2	<14	<19	<19	<19	<9.0	<4.7	<24	<3.4	<8.8	ND	--	18	1.1	--	--	--
VP-5-10 DUP	06/18/07	10.0-10.5	4,900	4,300	--	8.0	160	34	110	<4.4	<15	<20	<20	<20	<9.3	<4.9	<25	<3.5	<9.1	ND	--	18	1.0	--	--	--
VP-5R-5	04/10/08	5.0-5.5	--	440	--	<3.3	7.7	<4.4	5.3	<3.7	<12	<17	<17	<17	<7.9	<4.1	<21	5.3	<7.7	18 a	--	15	0.056	--	--	<0.10
VP-5R-5 DUP	04/10/08	5.0-5.5	--	590	--	<3.6	<4.3	<5.0	<5.0	<4.1	<14	<19	<19	<19	<8.8	<4.6	<24	5.1	<8.6	19 a	--	15	0.054	--	--	<0.11
VP-5R-5	10/26/09	5.0-5.5	--	--	260J	<4.0	<4.7	<5.4	<5.4	<4.5	--	--	--	--	--	--	<26UJ	--	--	--	--	4.6	1.4	94	<0.00025	<0.12
VP-5R-5 DUP	10/26/09	5.0-5.5	--	--	190J	<3.9	<4.6	<5.3	8.3	<4.4	--	--	--	--	--	--	<26UJ	--	--	--	--	4.5	1.4	94	<0.00025	<0.12
VP-5R-10	04/10/08	10.0-10.5	--	680	--	14	<4.4	<5.0	9.4	<4.2	<14	<19	<19	<19	<9.0	<4.7	<24	<3.4	<8.8	10 a	--	11	0.60	--	--	<0.12
VP-5R-10	10/26/09	10.0-10.5	--	--	460J	<8.6	<10	<12	<12	<9.7	--	--	--	--	--	--	<56UJ	--	--	--	--	4.8	2.6	93	<0.00025	<0.13
VP-5R-10	LAB DUPLICATE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.8	2.6	93	<0.00054	<0.27
VP-6-5	06/18/07	5.0-5.5	41,000	38,000	--	28	320	130	320	<4.2	<14	<19	<19	<19	<9.0	<4.7	110	<3.4	<8.8	ND	--	14	1.8	--	--	--
VP-6-5	04/10/08	5.0-5.5	--	860	--	4.4	17	<5.4	28	<4.4	<15	<21	<21	<21	<9.5	<5.0	<26	<3.6	<9.3	ND	--	11	6.0	--	--	<0.12
VP-6-5	10/26/09	5.0-5.5	--	--	<100	<3.9	11	<5.3	11	<4.4	--	--	--	--	--	--	<26UJ	--	--	--		9.6	8.3	82	<0.00025	<0.12
VP-6-10	06/18/07	10.0-10.5	17,000	15,000	--	20	450	95	330	<4.2	<14	<19	<19	<19	<9.0	<4.7	29	<3.4	<8.8	ND	ND	12	1.4	--	--	--
VP-6-10	04/10/08	10.0-10.5	--	4,600	--	<3.6	<4.3	<5.0	<5.0	<4.1	<14	<19	<19	<19	<8.8	<4.6	<24	<3.4	<8.6	ND	--	9.4	8.1	--	--	<0.11
VP-6-10	10/26/09	10.0-10.5	--	--	<99	<3.9	<4.6	<5.2	<5.2	<4.4	--	--	--	--	--	--	<25UJ	--	--	--	--	7.4	11	82	<0.00024	<0.12
VP-7-5	10/26/09	5.0-5.5	--	--	75,000J	37	28	<11	15	<8.9	--	--	--	--	--	--	<52UJ	--	--	--	--	7.0	<0.025	93	0.026	<0.12
VP-7-5	LAB DUPLICATE		--	--	77,000J	37	27	<11	15	<8.9	--	--	--	--	--	--	<52UJ	--	--	--	--	--	--	--	--	--

TABLE 4
CUMULATIVE SOIL VAPOR ANALYTICAL DATA
FORMER CHEVRON STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*TPH (C5+)*	*TPHg (By TO-3)*	*TPHg (By TO-15)*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes* [1]	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*EDB*	*1,2-DCA*	*Naph-thalene*	*Chloroform*	*Ethanol*	*Other HVOCs*	*Isobutane* [2]	O_2	CO_2	N_2	CH_4	*Helium*
			Concentrations reported in micrograms per cubic meter (µg/m³)																		*ppbv*	*Concentrations reported in % volume*				
Low Threat Underground Storage Tank Case Closure Policy - Direct Measrement of Soil Gas Concentrations																										
No bioattenuation zone	*Residential*					*85*		*1,100*									*93*									
(0_2 <4%)	*Commercial*					*280*		*3,600*									*310*									
Bioattenuation zone	*Residential*					*85,000*		*1,100,000*									*93,000*									
(0_2 >4%)	*Commercial*					*280,000*		*3,600,000*									*310,000*									
VP-7-10	10/26/09	10.0-10.5	--	--	5,400,000	280	<160	<190	<190	<150	--	--	--	--	--	--	<900	--	--	--	--	1.4	<0.026	97	1.8	<0.13
VP-7-10	LAB DUPLICATE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5	<0.026	97	1.8	<0.13
1988 Soil Vapor Contaminant Assessment																										
V1/A	12/17/87	3	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V1/B	12/17/87	5.5	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V1/C	12/17/87	8	--	--	5	<1	5	<1	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V1/D	12/17/87	10.5	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V1/E	12/17/87	13	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V2/A	12/17/87	3	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V2/B	12/17/87	8	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V3/A	12/17/87	3	--	--	10	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V3/B	12/17/87	5.5	--	--	10	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V3	12/17/87	8	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V3/D	12/17/87	10.5	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V4	12/17/87	3	--	--	15	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V5	12/17/87	3	--	--	10	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V6/A	12/17/87	3	--	--	20	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V6/B	12/17/87	8	--	--	140	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V6/C	12/17/87	13	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V7	12/17/87	3	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V8	12/17/87	3	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V9/A	12/17/87	3	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V9/B	12/17/87	8	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V10	12/17/87	8	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 4
CUMULATIVE SOIL VAPOR ANALYTICAL DATA
FORMER CHEVRON STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	TPH (C5+)	TPHg (By TO-3)	TPHg (By TO-15)	Benzene	Toluene	Ethyl-benzene	Total Xylenes [1]	MTBE	TBA	DIPE	ETBE	TAME	EDB	1,2-DCA	Naph-thalene	Chloroform	Ethanol	Other HVOCs	Isobutane [2]	O_2	CO_2	N_2	CH_4	Helium
			Concentrations reported in micrograms per cubic meter ($\mu g/m^3$)																		ppbv	Concentrations reported in % volume				
Low Threat Underground Storage Tank Case Closure Policy - Direct Measrement of Soil Gas Concentrations																										
No bioattenuation zone (0_2 <4%)	*Residential*					*85*		*1,100*									*93*									
	Commercial					*280*		*3,600*									*310*									
Bioattenuation zone (0_2 >4%)	*Residential*					*85,000*		*1,100,000*									*93,000*									
	Commercial					*280,000*		*3,600,000*									*310,000*									
V11	12/17/87	8	--	--	5	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Abbreviations/Notes:

Total petroleum hydrocarbons C5+ (TPH C5+) by EPA Method TO-3, originally reported in micrograms per liter (µg/L) and converted to µg/m3 using Air Toxics Units Conversion Calculator.

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method TO-3 or TO-15 as noted. TO-3 concentrations originally reported in µg/L and converted to µg/m3 using Air Toxics Units Conversion Calculator.

Benzene, toluene, ethylbenzene and xylenes (BTEX) and by EPA TO-15.

Methyl tertiary butyl ether (MTBE), tert butyl ether (TBA), isopropyl ether (DIPE), ethyl-tert-butyl ether (ETBE), tert amyl-methyl ether (TAME), 1,2-dibromoethane (EDB), 1,2-dichloroethane (1,2-DCA), naphthalene, chloroform and ethanol by EPA Method TO-15.

Other Highly Volatile Organic Compounds (HVOCs) = Tetrachloroethane, tricholorethane, trans-1,2-dichloroethane, cis-1,2-dichloroethane, 1,1-dichloroethane, carbon tetrachloride, 1,1,1-trichloroethane, 1,2-dichloropropane.

Oxygen (O_2), carbon dioxide (CO_2), nitrogen (N_2), methane (CH_4) and helium by method ASTM D-1946M.

May 2008, Table E-2.

NE = Not established.

1 = Displaying only highest xylene value (either xylene-m,p or xylene-o) detected.

2 = Constituent used as leak detector determined as a Tentatively Identified Compound (TICs) by Modified EPA Method TO-15.

J = Estimated value due to bias in the CCV.

UJ = Non-detected compound associated with low bias in the CCV.

a = No other HVOCs detected except Tetrachloroethane at concentrations reported. Tetrachloroethane ESL = 410 µg/m^3.

Fbg = Feet below grade.

ND = Not detected above various laboratory method detection limits.

<X = Not detected above laboratory method detection limit x

-- = Not analyzed/not applicable.

BOLD = Concentration exceeds applicable ESL.

TABLE 5
GRAB-GROUNDWATER ANLYTICAL DATA
FORMER CHEVRON STATION 90020
1633 HARRISON STREET OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	EDB	1,2-DCA
			Micrograms per liter (µg/L)												
ESLs [1] - Vapor Intrusion - Table E-1			NE	NE	27	95,000	310	37,000	9,900	NE	NE	NE	NE	77	100
ESLs [1] - Groundwater (Drinking Water Resource) Table F-1a			100	100	1.0	40	30	20	5.0	12	NE	NE	NE	0.05	0.5
SB9	10/10/10	21.0	980	5,100	82	55	17	98	<0.5	--	--	--	--	--	--
SB10	10/10/10	21.0	700	900	13	4	6	5	<0.5	--	--	--	--	--	--
SB11	10/10/10	20.0	280 a	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
2009 Additional Onsite Investigation															
SB7	10/14/09	23.0	<320	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5
SB8	10/14/09	24.0	<320	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5
2007 Onsite Subsurface Investigation															
SB1	04/27/07	--	--	11,000	10	<5	320	250	--	--	--	--	--	--	--
SB2	04/27/07	--	--	6,700	2	<2	82	140	--	--	--	--	--	--	--
SB3	04/27/07	--	--	11,000	1	<0.5	37	66	--	--	--	--	--	--	--
SB4	04/27/07	--	--	57	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
2004 Subsurface Investigation															
B-17	06/28/04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
B-18	06/28/04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
B-19	06/28/04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
B-20	06/28/04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
B-22	06/29/04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
B-23A	07/29/04	--	--	12,000	17	53	180	360	--	--	--	--	--	--	--
B-24	06/29/04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
B-25	07/29/04	--	--	480	<0.5	<0.5	1.0	2.0	--	--	--	--	--	--	--

Abbreviations/Notes:

Total petroleum hydrocarbons as diesel (TPHd) by modified EPA Method 8015B with silica gel cleanup.

Total petroleum hydrocarbons as gasoline (TPHg) by modified EPA Method 8015B.

Benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), t-butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl t-butyl ether (ETBE), t-amyl methyl ether (TAME), 1,2-dibromoethane (EDB) and 1,2-dichloroethane (1,2-DCA) by EPA Method 8260B.

Fbg = Feet below grade.

1 = Environmental Screening Levels (ESLs) for groundwater that is a current or potential drinking water source from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* prepared by the California Regional Water Quality Control Board - San Francisco Bay Region Interim Final November 2007, Revised May 2008.

NE = Not Established

<x = Not detected above laboratory method detection limit x.

-- = Not analyzed/not applicable.

a = Matrix interference affected surrogate recovery. Reextractions were performed outside the hold time, did not confirm the original results, and were not used.

APPENDIX A

REGULATORY CORRESPONDENCE

Lee, Nathan

From: Detterman, Mark, Env. Health [Mark.Detterman@acgov.org]
Sent: Wednesday, July 03, 2013 3:49 PM
To: 'Espino Devine, Catalina'; Lee, Nathan
Subject: LUFT Case No. RO0000143; Chevron 9-0020; 1633 Harrison St, Oakland

Catalina and Nate,
This email is a followup to our July 2nd conference call in regards to this site and what has been characterized as a No Further Action Request (NFAR). It was agreed that an NFAR has not been submitted, only a recommendation that the site be reviewed against the Low-Threat Closure Policy (LTCP).

We discussed several areas where ACEH does not believe the site fits the LTCP including:

- The lack of contaminant stability in well MW-17, including TPH concentrations (up to 24,000 ug/l) that exceed concentrations (20,000 ug/l) cited in the LTCP *Technical Justification for Vapor Intrusion Media-Specific Criteria*, as indirect groundwater evidence for LNAPL;
- Delineation of the downgradient and lateral extent of the offsite groundwater plume;
- The potential for vapor intrusion impacts to the Kaiser-Permanente underground parking structure kitty corner (and directly downgradient) of the site and well MW-17. In part this is related to the unknown configuration of the underground structure, extent of any venting, depth of structure, depth of excavation (or extent of soil removal) of the KP facility upon redevelopment, etc. CRA notes that the KP facility was a former service station; however, has not provided data or justification to link downgradient groundwater concentrations to the former service station at the KP garage site.

As discussed, ACEH is required to review all sites against the LTCP by August 17th, but Chevron and CRA will discuss the site and may make a decision to submit a LTCP evaluation that may be useful for ACEH's LTCP site review. If Chevron decides to not submit a formal RFC, please provide additional data to address the items discussed above that may support a closure request, by August 2, 2013. This is expected to assist in ACEH's LTCP decision making process.
Thank you,

Mark Detterman
Senior Hazardous Materials Specialist, PG, CEG
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6876
Fax: 510.337.9335
Email: mark.detterman@acgov.org

PDF copies of case files can be downloaded at:

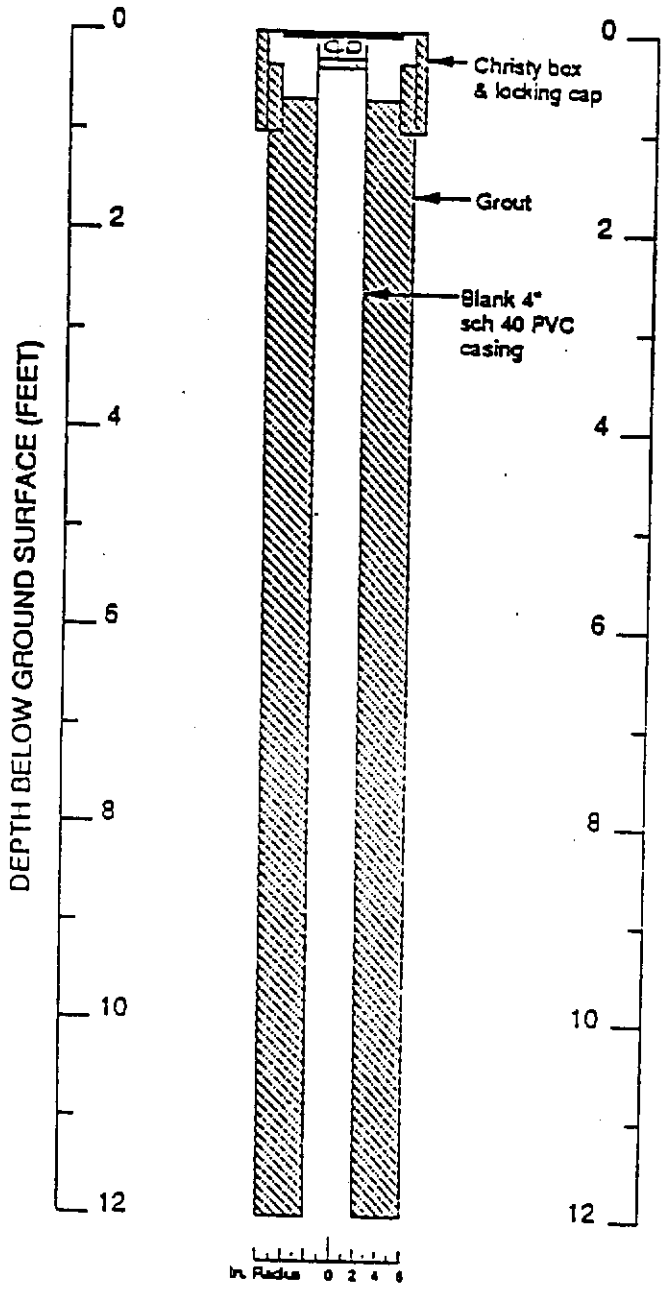
http://www.acgov.org/aceh/lop/ust.htm

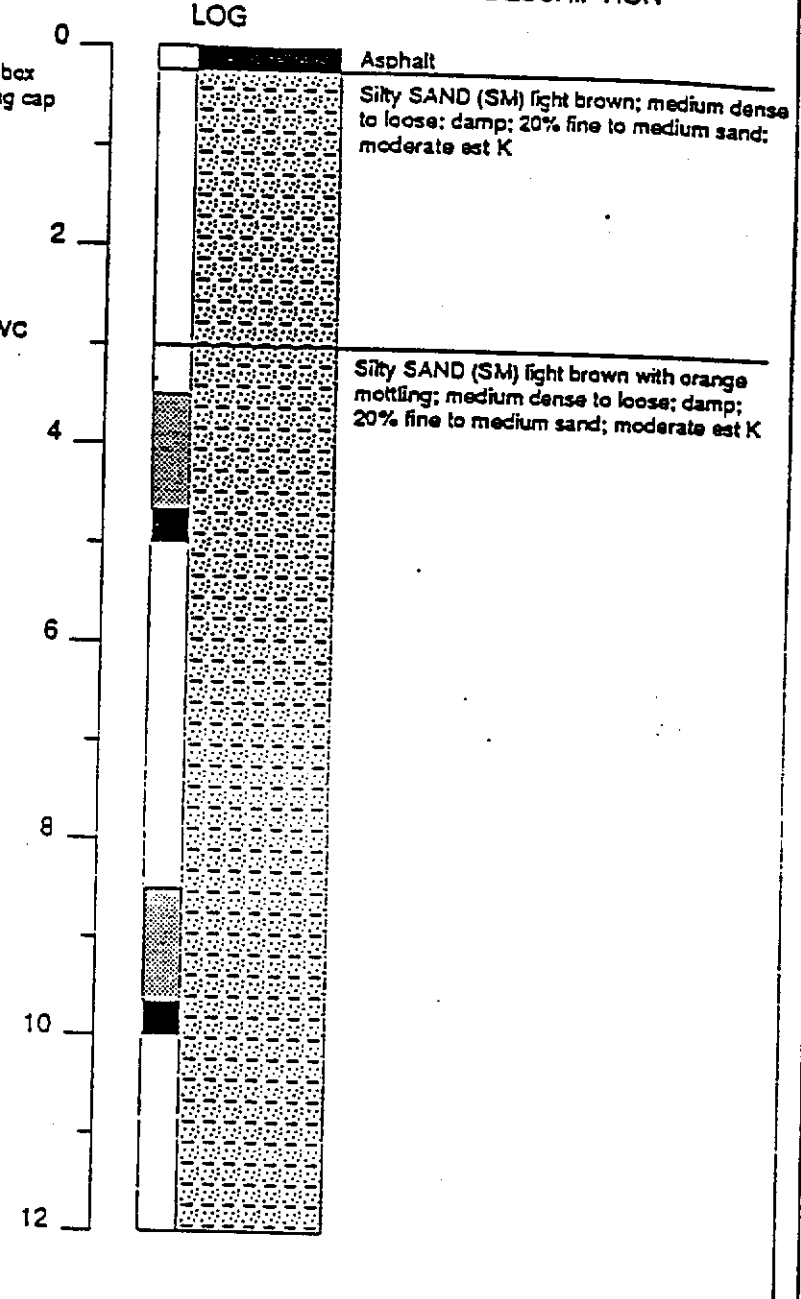
APPENDIX B

BORING LOGS

WGR

MONITOR WELL MW-1





Continues

EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approx.)
- Gradational (hachured), uncertain (dashed) contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Grab sample

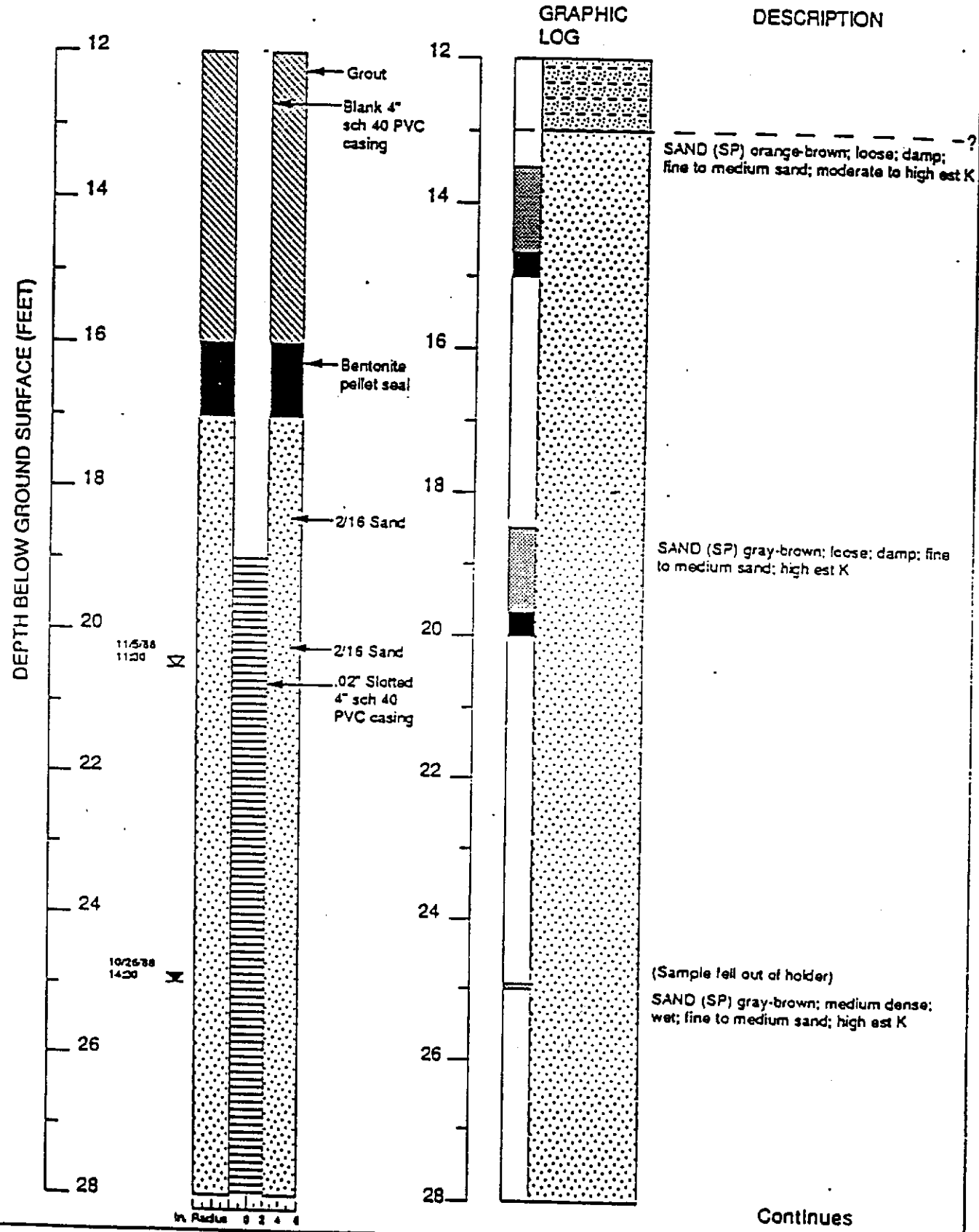
est K = Estimated permeability (hydraulic conductivity)

Logged by: Gail Jones
Supervisor: Tom Howard
Drilling Company: All Terrain
Driller: Wes
Drilling Method: Hollow stem auger
Dates Drilled: 10/26/88
Well Head Completion: Christy box & locking cap
Type of Sampler: 2" split barrel
TD: Drill depth

Boring Log and Well Completion Details MW-1
WGR Project No.: 1-012.01

Chevron Facility #90020
Oakland, CA

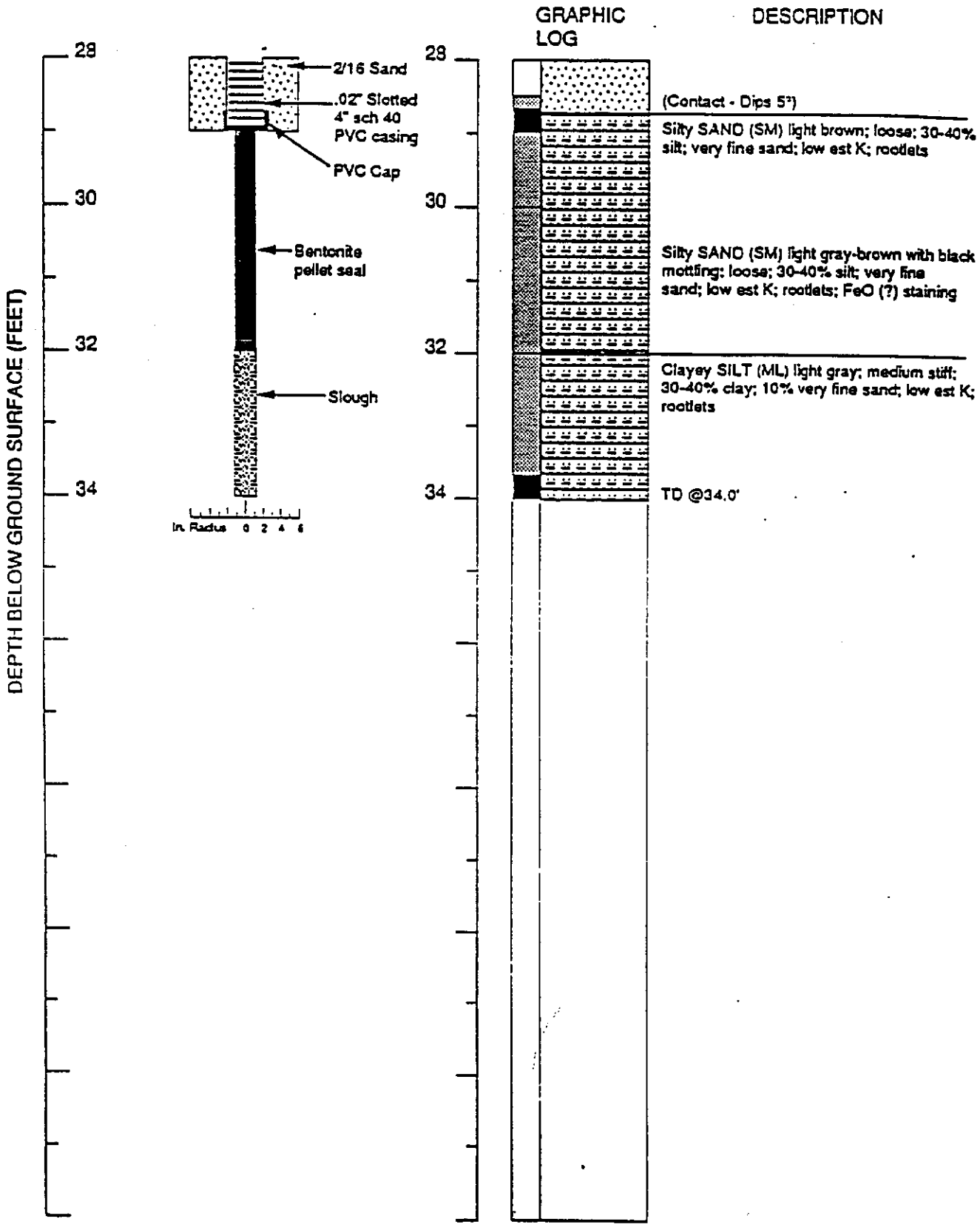
MONITOR WELL MW-1 (cont.)



Boring Log and Well Completion Details MW-1 (cont.)
WGR Project No.: 1-012.01

Chevron Facility #90020
Oakland, CA

MONITOR WELL MW-1 (cont.)

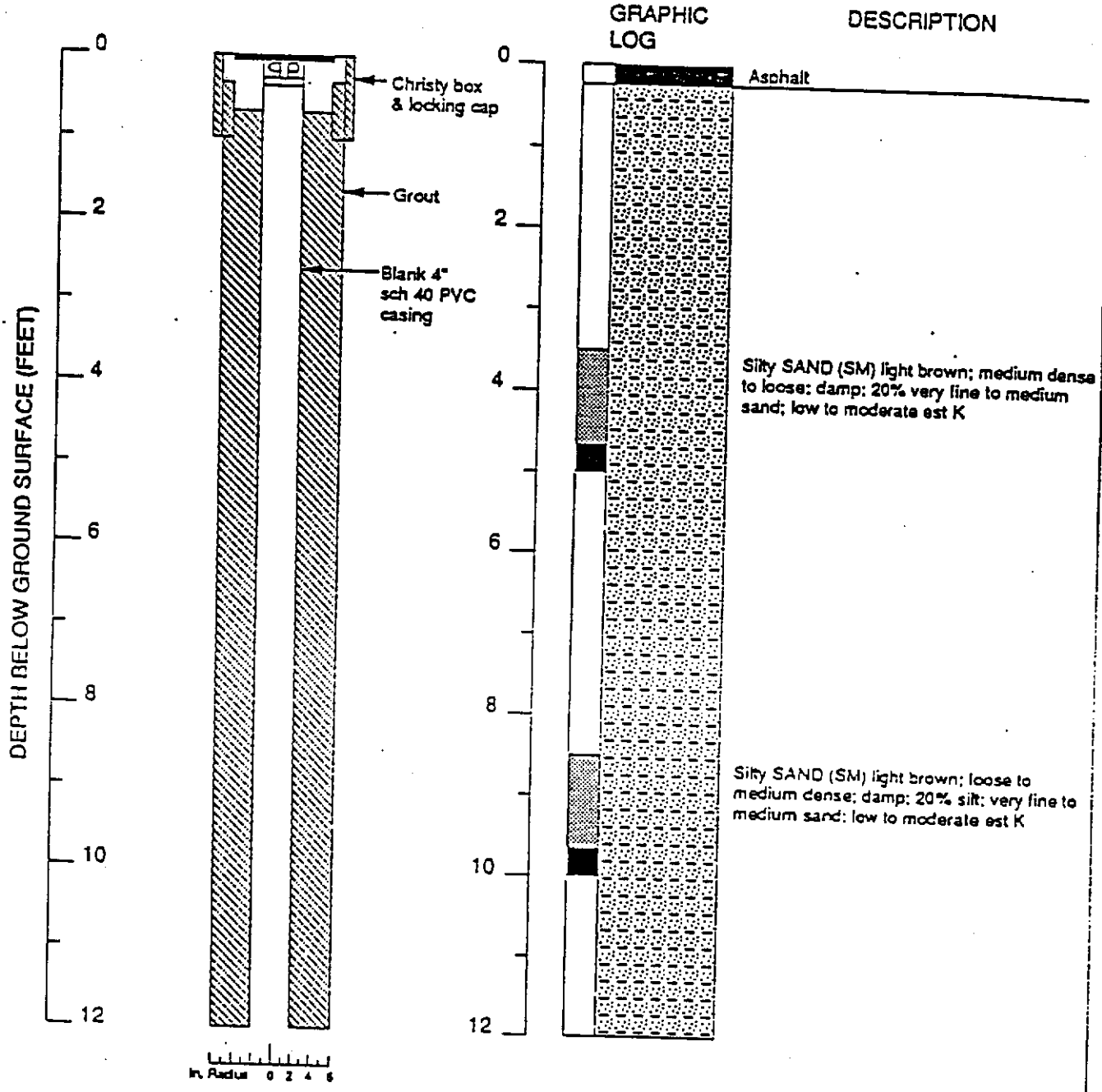


Boring Log and Well Completion Details MW-1 (cont.)
WGR Project No.: 1-012.01

Chevron Facility #90020
Oakland, CA

WGR

MONITOR WELL MW-2



Continues

EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approx.)
- Gradational (hachured), uncertain (dashed) contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Grab sample

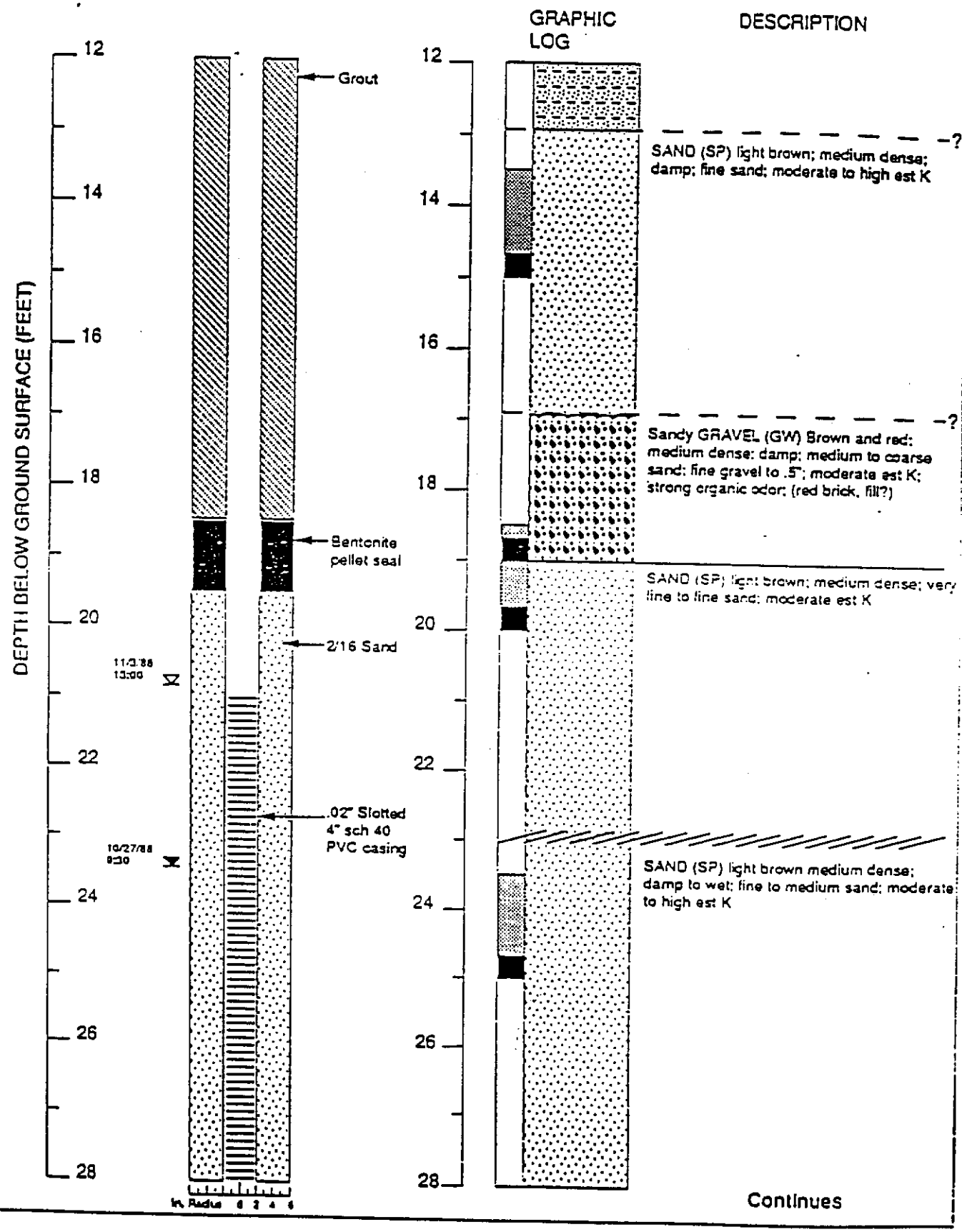
est K = Estimated permeability (hydraulic conductivity)

Logged by: Gail Jones
Supervisor: Tom Howard
Drilling Company: All Terrain
Driller: Wes
Drilling Method: Hollow stem auger
Dates Drilled: 10/27/88
Well Head Completion: Christy box & locking cap
Type of Sampler: 2" split barrel
TD: Drill depth = 33.0 ft

Boring Log and Well Completion Details MW-2
WGR Project No.: 1-012.01

Chevron Facility #90020
Oakland, CA

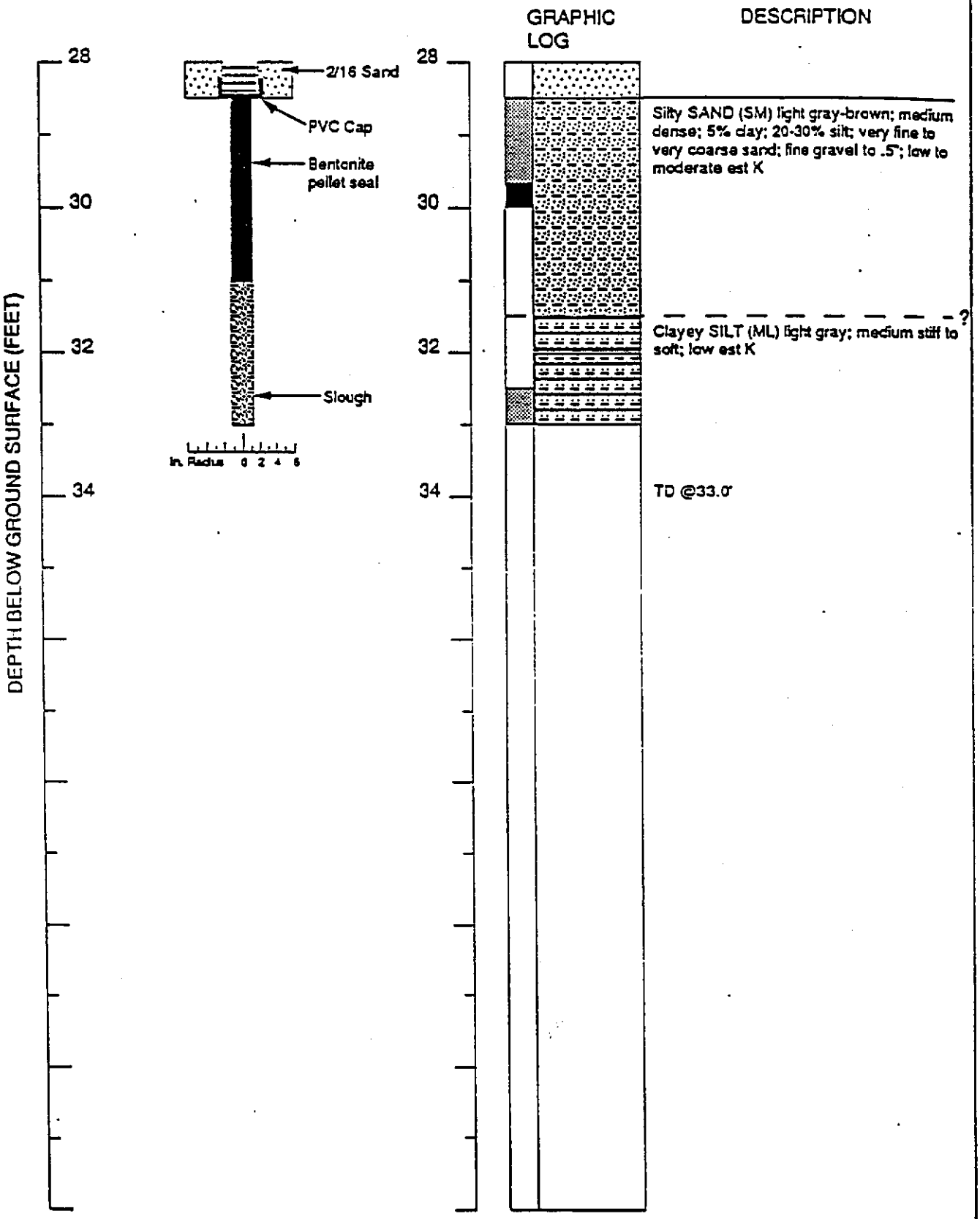
MONITOR WELL MW-2 (cont.)



Boring Log and Well Completion Details MW-2 (cont.)
WGR Project No.: 1-012.01

Chevron Facility #90020
Oakland, CA

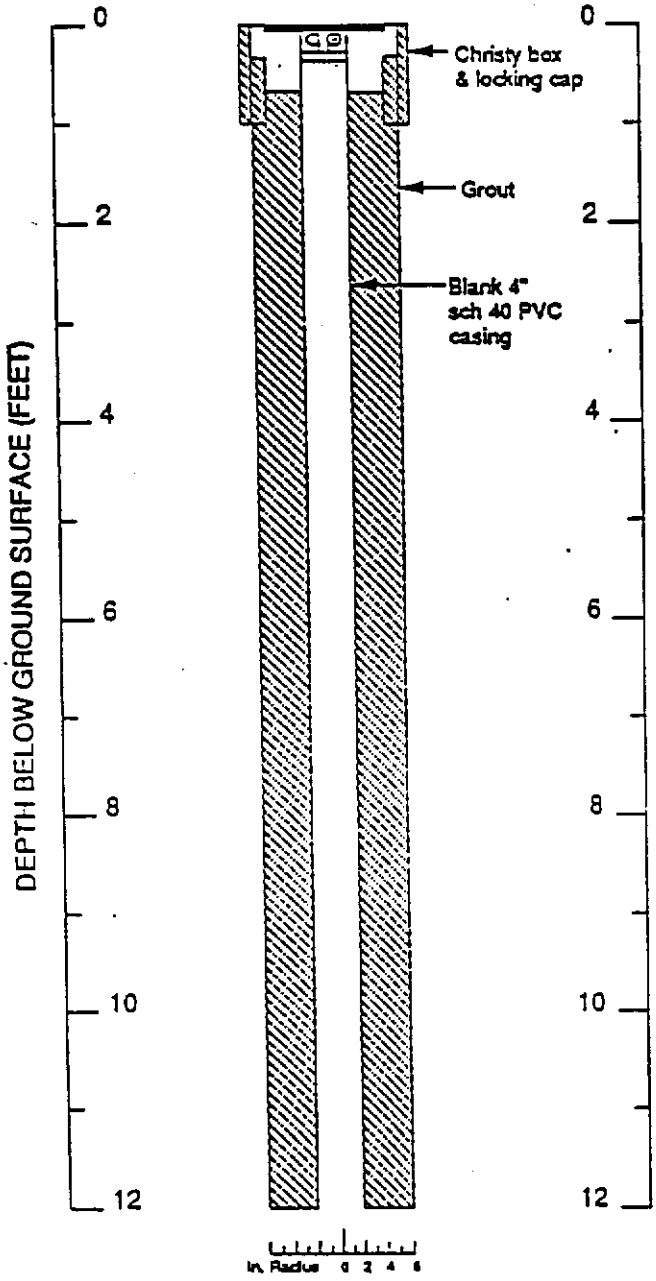
MONITOR WELL MW-2 (cont.)

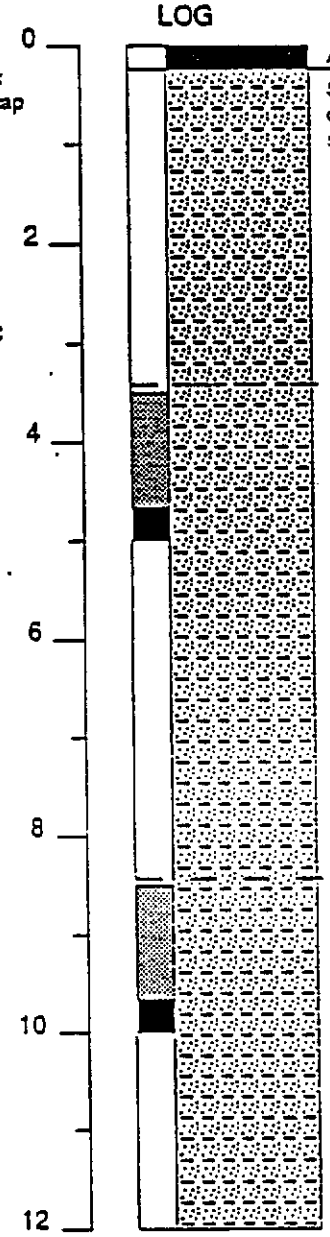


Boring Log and Well Completion Details MW-2 (cont.)
WGR Project No.: 1-012.01

Chevron Facility #90020
Oakland, CA

MONITOR WELL MW-3





DESCRIPTION

Asphalt

Silty SAND (SM) brown; medium dense; damp; 5% clay; 30% silt; very fine to fine sand; low to moderate est K

Silty SAND (SM) brown with orange stain; medium dense; damp; 10-20% silt; very fine to medium sand; moderate est K; no odor

Silty SAND (SM) brown with orange stain; medium dense; damp; 5% clay; very fine to medium sand; low to moderate est K

Continues

EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approx.)
- Gradational (hachured), uncertain (dashed) contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Grab sample

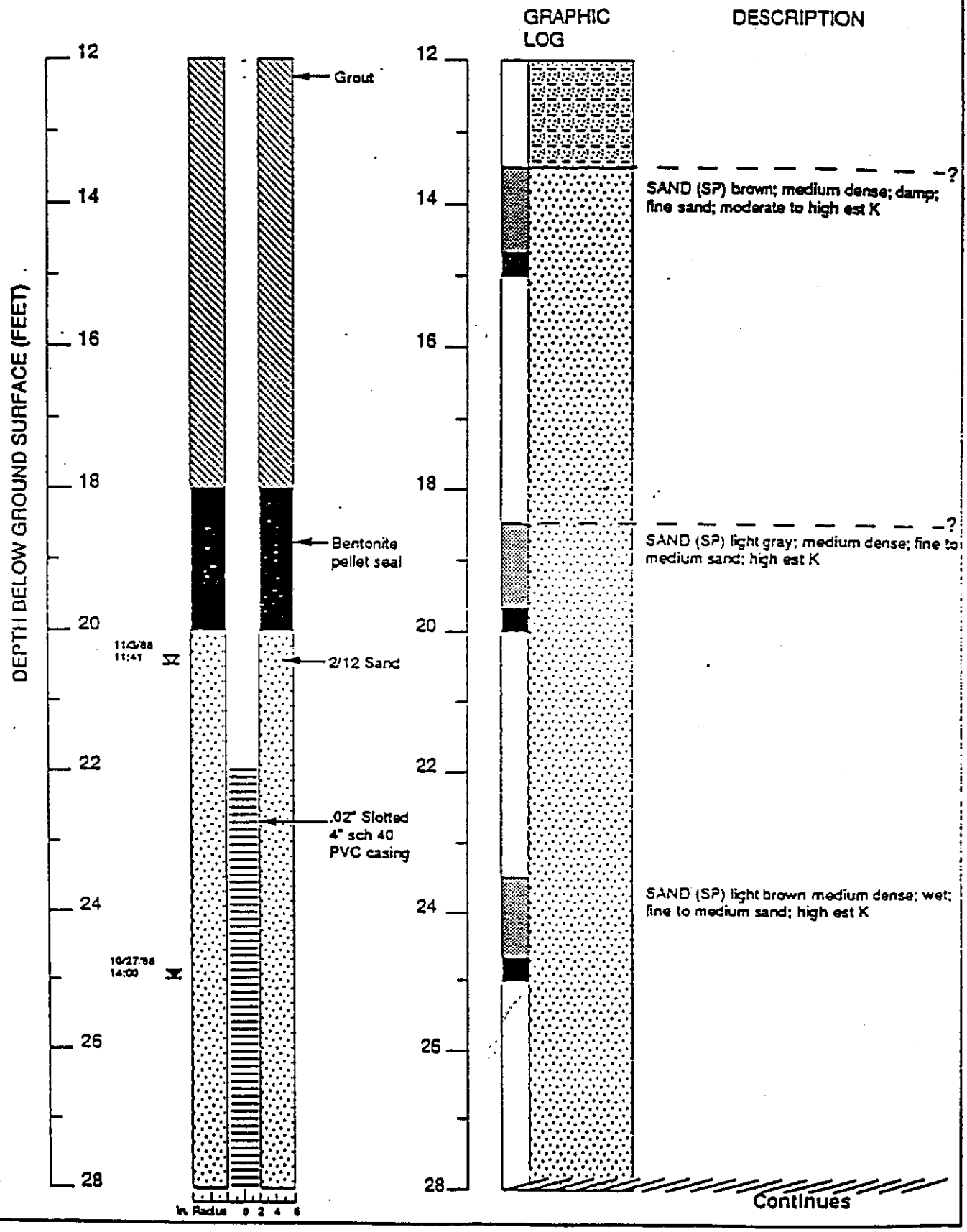
est K = Estimated permeability (hydraulic conductivity)

Logged by: Gail Jones
Supervisor: Tom Howard
Drilling Company: All Terrain
Driller: Wes
Drilling Method: Hollow stem auger
Dates Drilled: 10/27/88
Well Head Completion: Christy box & locking cap
Type of Sampler: 2" split barrel
TD: Drill depth = 35.5 ft

Boring Log and Well Completion Details MW-3
WGR Project No.: 1-012.01

Chevron Facility #90020
Oakland, CA

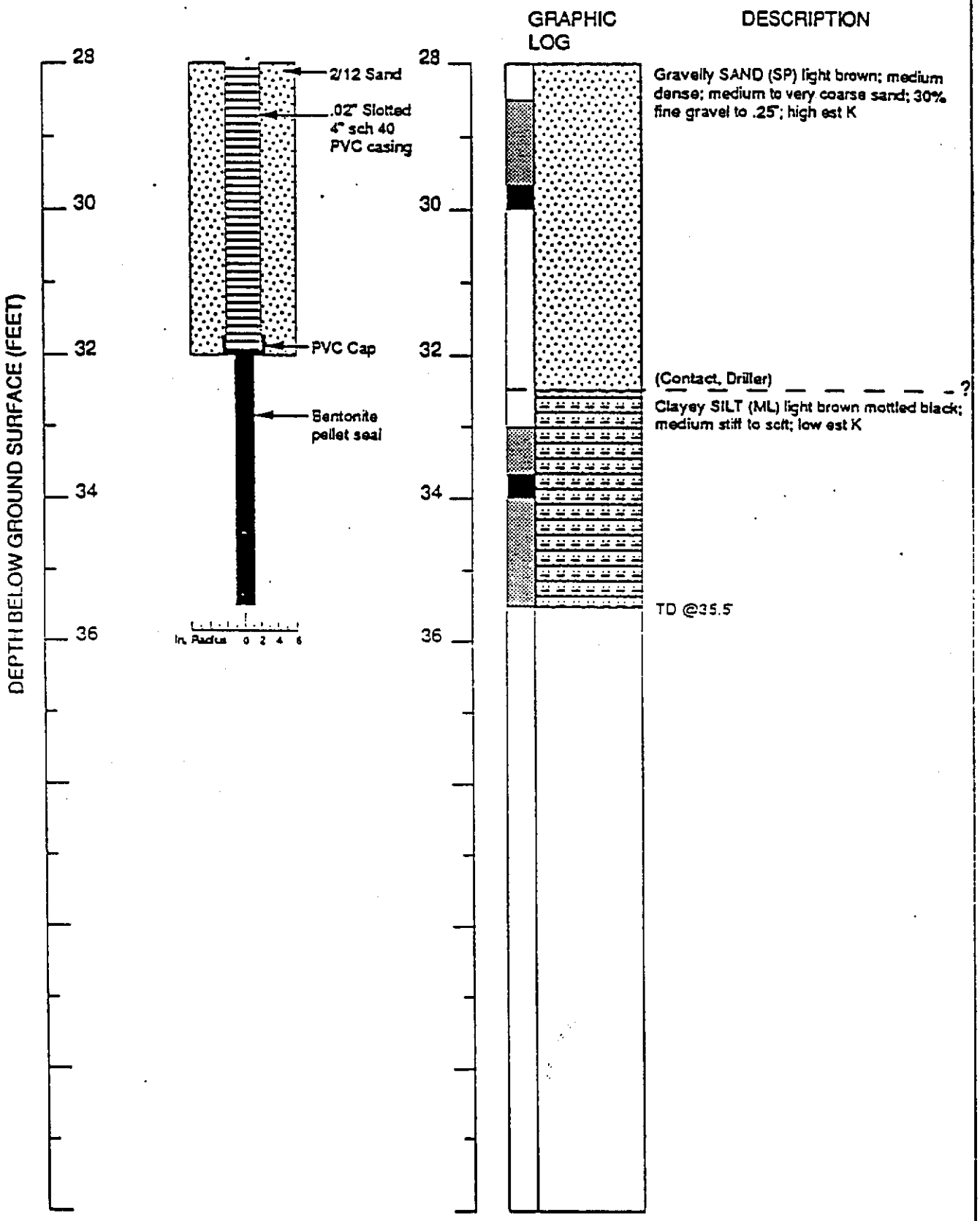
MONITOR WELL MW-3 (cont.)



Boring Log and Well Completion Details MW-3 (cont.)
WGR Project No.: 1-012.01

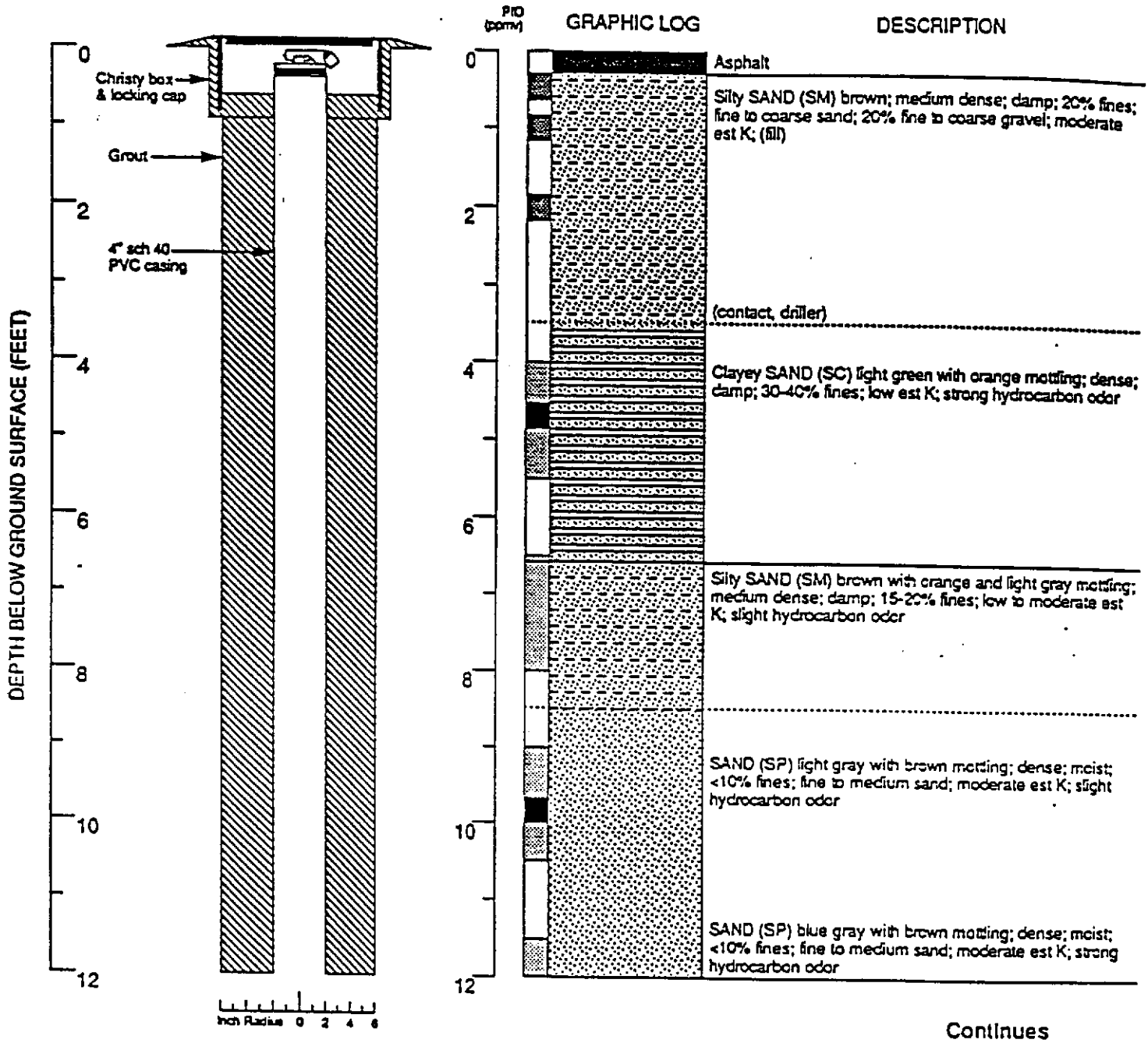
Chevron Facility #90020
Oakland, CA

MONITOR WELL MW-3 (cont.)



Boring Log and Well Completion Details MW-3 (cont.)
WGR Project No.: 1-012.01

Chevron Facility #90020
Oakland, CA



gged by:	Dave Reichard	Drilling Company:	Exploration Geoservices	Well Head Completion:	Christy box & locking cap
pervisor:	Tom Howard	Drilling Method:	12" Hollow stem auger	Type of Samplers:	2" & 1.4" split barrel
tes Drilled:	4/12/89	Driller:	Dave Yeager	TD (Total Depth):	36.5 ft.

PLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity)

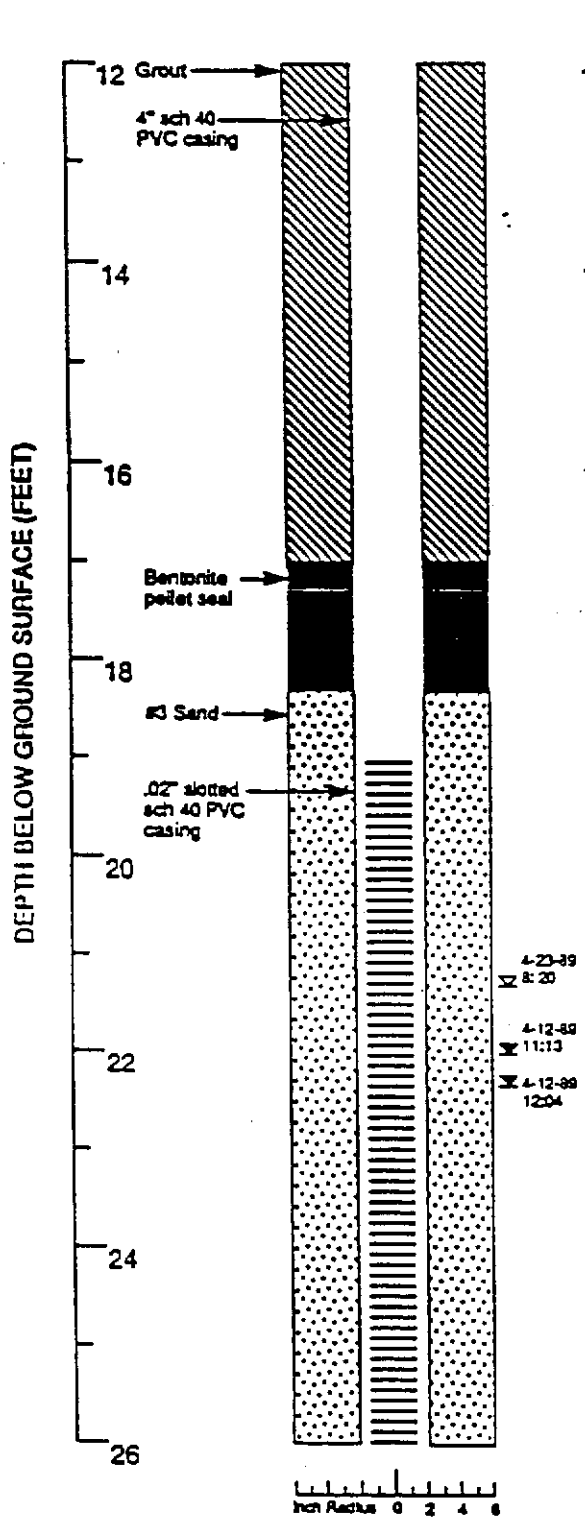
Boring Log and Well Completion Details
MW-4 (Boring B-8)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

WESTERN GEOLOGIC RESOURCES, INC.

MONITOR WELL

4



PID (ppm)	GRAPHIC LOG	DESCRIPTION
		Silty SAND (SM) brown to light gray; dense; damp to moist; 20-30% fines; fine to medium sand; low est K; slight hydrocarbon odor
NR		SAND (SP) brown to orange-brown; dense; damp to moist; <10% fines; fine to medium sand; moderate to high est K
NR		Same as above; medium dense to dense
		SAND (SP) brown; very dense; moist; 0-10% fines; fine to medium sand; moderate to high est K
		Same as above; wet
NR		Same as above

Continues

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K: Estimated permeability (hydraulic conductivity)

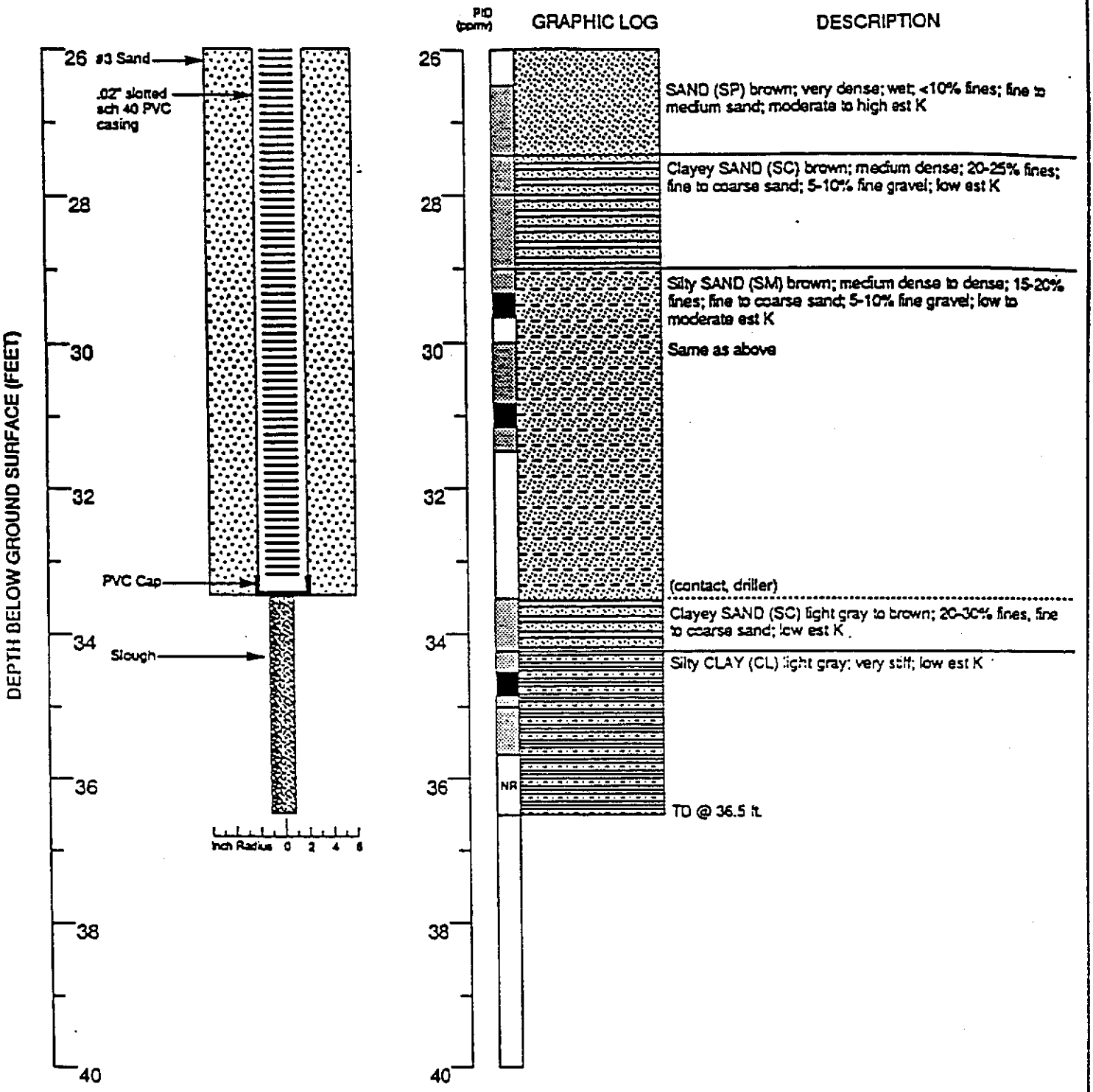
Boring Log and Well Completion Details
MW-4 (Boring B-8) (cont.)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

MONITOR WELL

4

WESTERN GEOLOGIC RESOURCES, INC.



EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- No recovery
- rab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity)

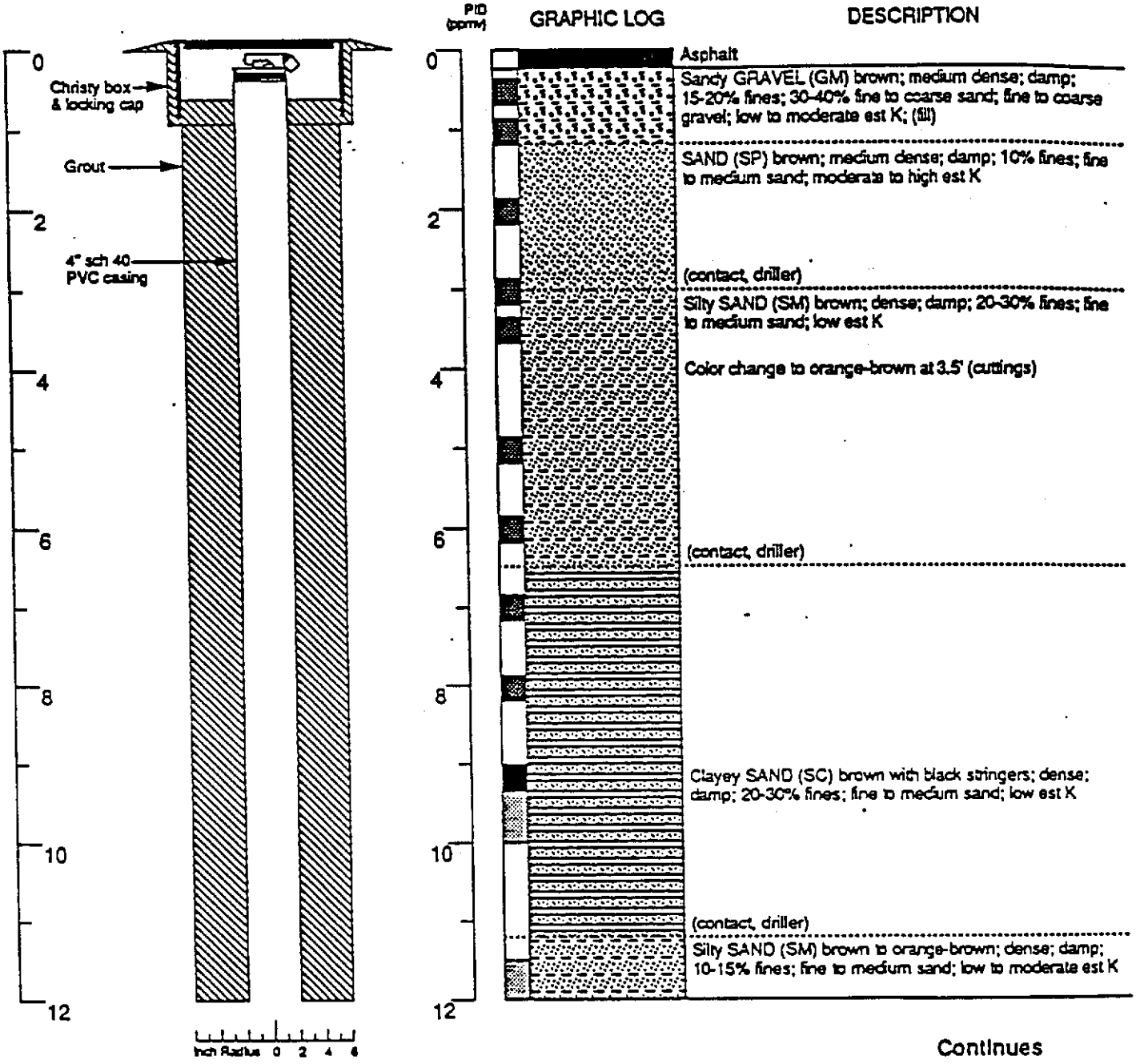
Boring Log and Well Completion Details
MW-4 (Boring B-8) (cont.)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

WESTERN GEOLOGIC RESOURCES, INC.

MONITOR WELL

4



Logged by:	Richard Baldwin	Drilling Company:	Exploration Geoservices	Well Head Completion:	Christy box & locking cap
Supervisor:	Tom Howard	Drilling Method:	12" Hollow stem auger	Type of Samplers:	2" & 1.4" split barrel
Dates Drilled:	4/14/89	Driller:	Dave Yeager/Troy Foster	TD (Total Depth):	34.0 ft.

EXPLANATION

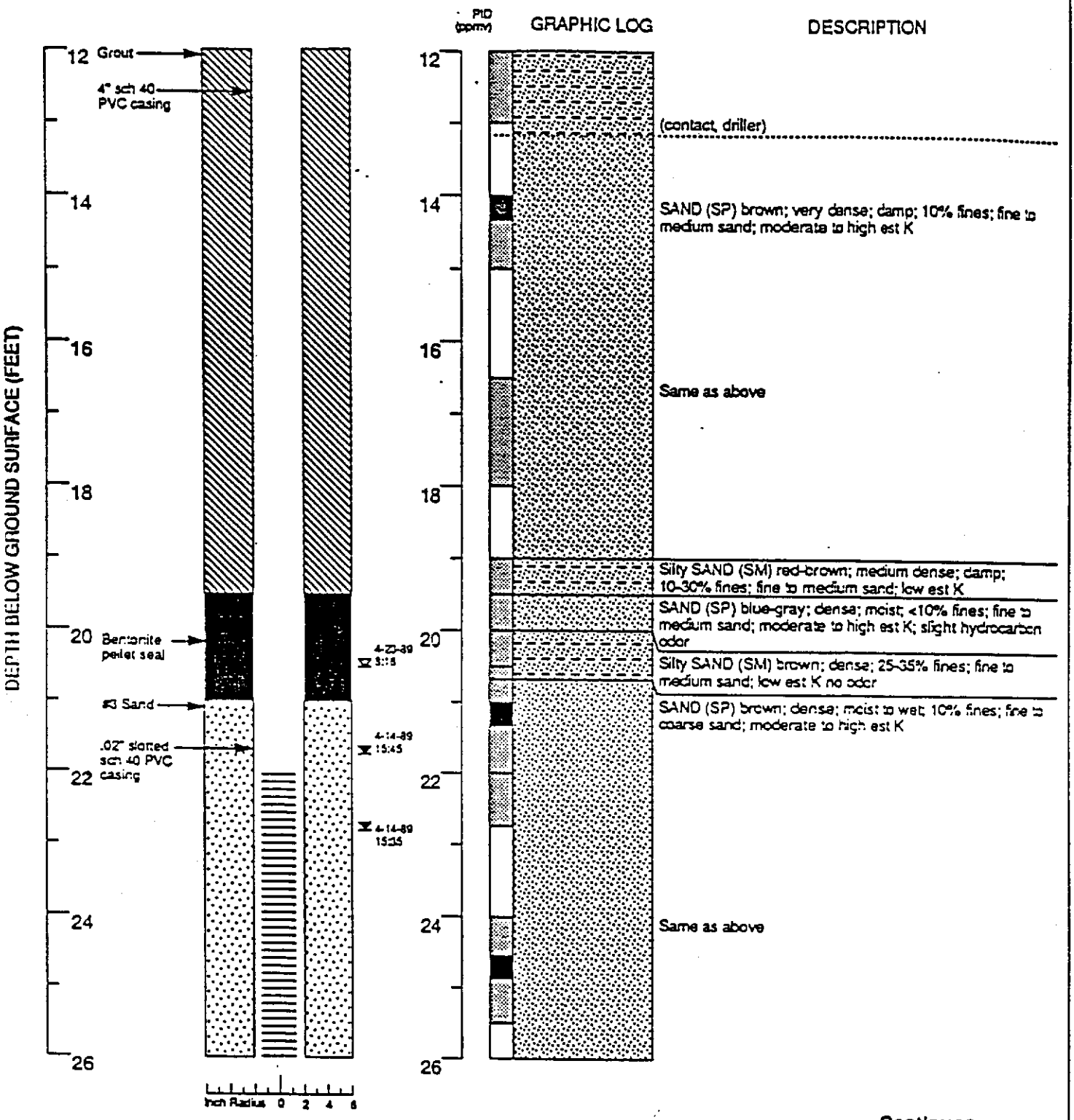
- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- NR — No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity)

Boring Log and Well Completion Details
MW-5 (Boring B-9)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

MONITOR WELL
5

WESTERN GEOLOGIC RESOURCES, INC.



PLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity)

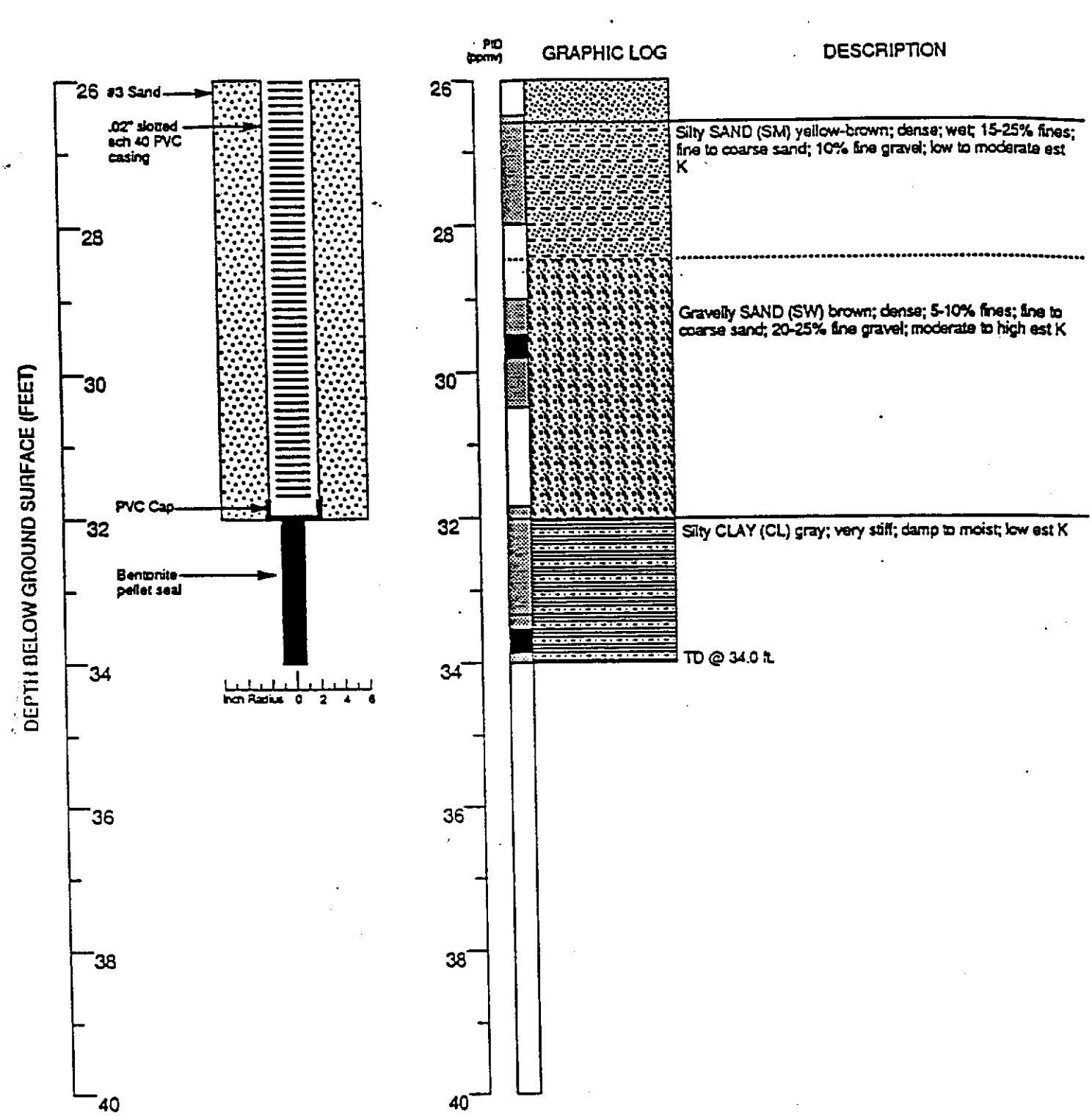
Boring Log and Well Completion Details
MW-5 (Boring B-9) (cont.)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

MONITOR WELL

5

WESTERN GEOLOGIC RESOURCES, INC.



EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- NR — No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity)

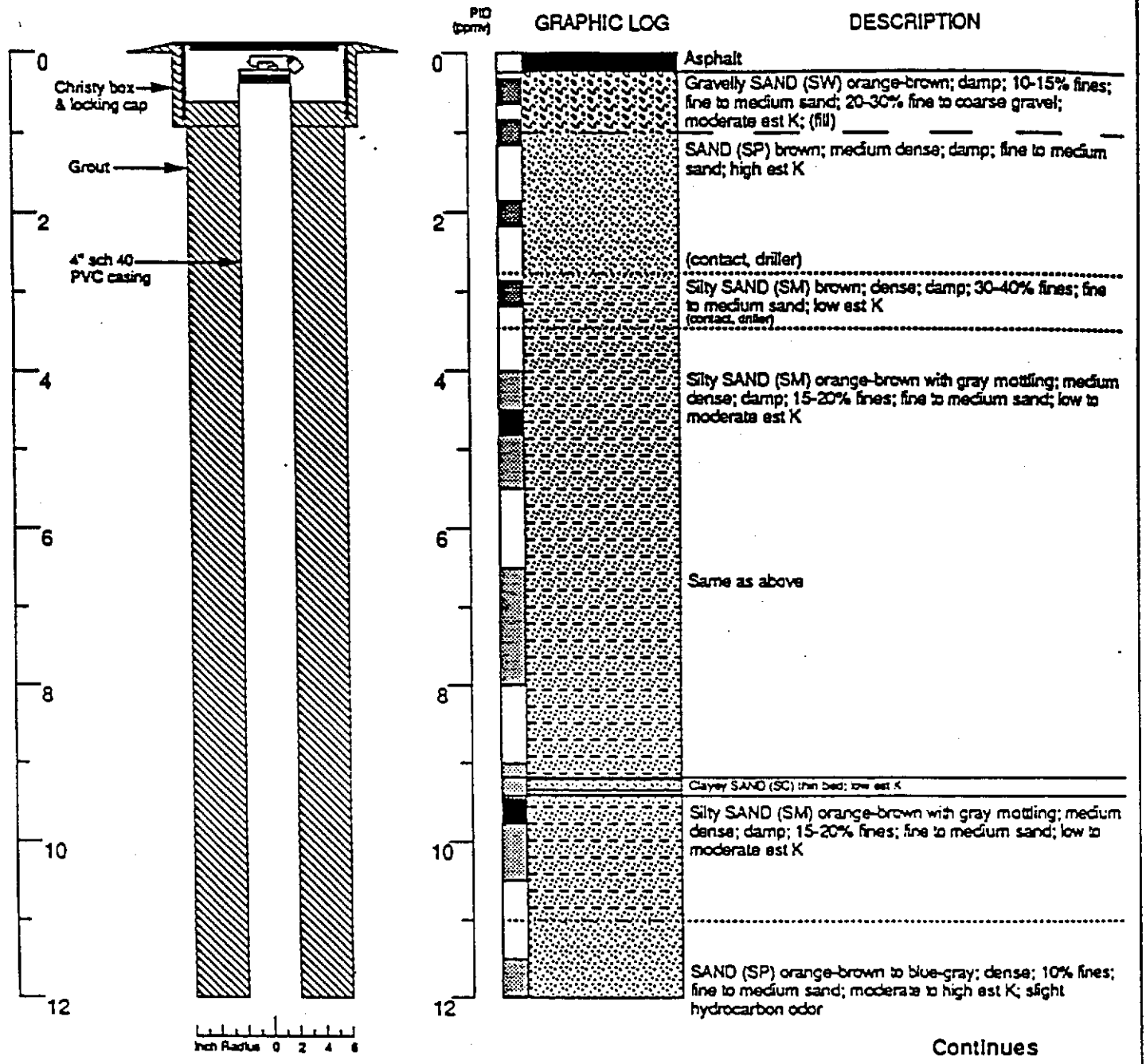
Boring Log and Well Completion Details
MW-5 (Boring B-9) (cont.)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

MONITOR WELL

5

WESTERN GEOLOGIC RESOURCES, INC.



ɔgged by:	Richard Baldwin	Drilling Company:	Exploration Geoservices	Well Head Completion:	Christy box & locking cap
ıpervisor:	Tom Howard	Drilling Method:	12" Hollow stem auger	Type of Samplers:	2" & 1.4" split barrel
ates Drilled:	4/13/89	Driller:	Dave Yeager/Troy Foster	TD (Total Depth):	29.5 ft.

PLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity)

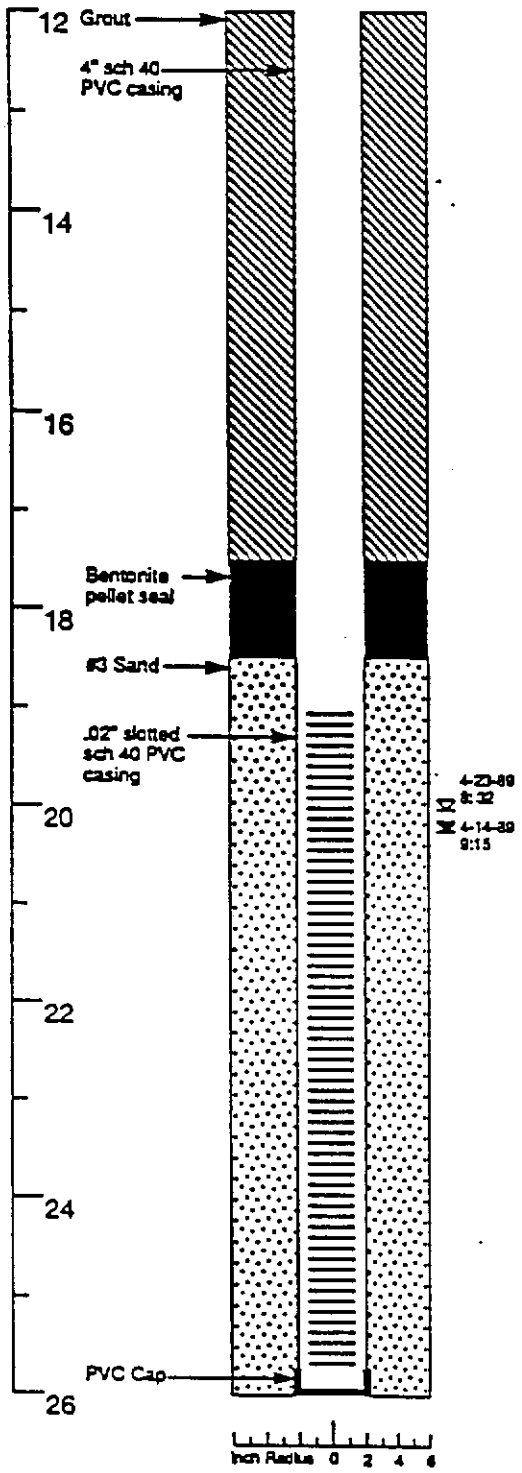
Boring Log and Well Completion Details
MW-6 (Boring B-10)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

WESTERN GEOLOGIC RESOURCES, INC.

MONITOR WELL

6



DEPTH BELOW GROUND SURFACE (FEET)

PID (ppmv)	GRAPHIC LOG	DESCRIPTION
12		SAND (SP) orange-brown to blue-gray; dense; 10% fines; fine to medium sand; moderate to high est K; slight hydrocarbon odor
NR		
14		Same as above; blue-gray; slight to moderate hydrocarbon odor
NR		
16		Same as above; moist; slight hydrocarbon odor
18		Same as above; moist; moderate hydrocarbon odor
NR		
20		Same as above; wet; slight to moderate hydrocarbon odor
22		
24		SAND (SP) orange-brown; slight to moderate hydrocarbon odor
26		

Continues

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity)

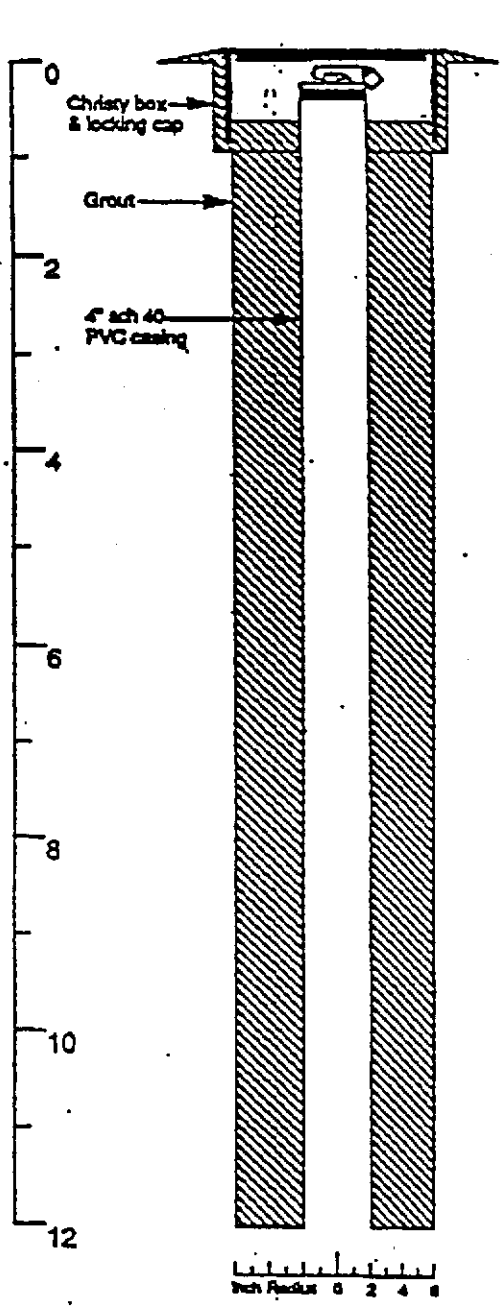
Boring Log and Well Completion Details
MW-6 (Boring B-10) (cont.)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

MONITOR WELL

6

WESTERN GEOLOGIC RESOURCES, INC.



PID (ppm)	GRAPHIC LOG	DESCRIPTION
0		Asphalt
		SAND (SP) light brown; medium dense; damp; fine to coarse sand; high est K
2		(contact, driller)
4		Silty SAND (SM) orange-brown; medium dense; damp; 10-15% fines; fine to medium sand; moderate est K
6		Silty SAND (SM) orange-brown; medium dense; damp; 20-30% fines; fine to medium sand; low to moderate est K
8		SAND (SP) brown; dense; damp; <10% fines; fine to medium sand; moderate est K
10		Silty SAND (SM) orange-brown; medium dense; damp; 20-30% fines; fine to medium sand; low est K Color change to blue-gray at 10.5'
12		Same as above

Continues

Logged by: Richard Baldwin
Supervisor: Tom Howard
Dates Drilled: 4/13/89

Drilling Company: Exploration Geoservices
Drilling Method: 12" Hollow stem auger
Driller: Dave Yeager/Troy Foster

Well Head Completion: Christy box & locking cap
Type of Samplers: 2" & 1.4" split barrel
TD (Total Depth): 31.0 ft.

EXPLANATION

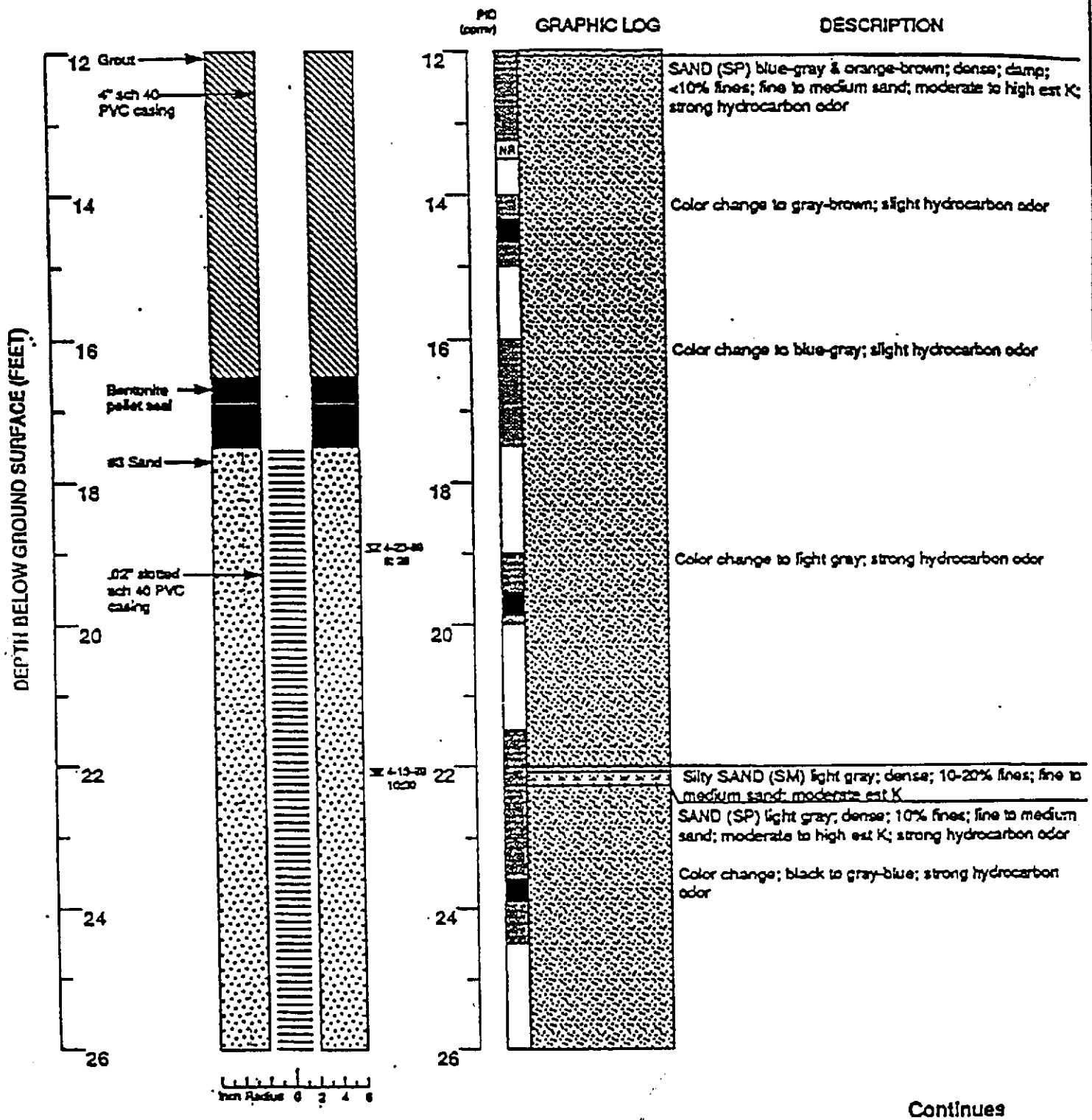
- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample tested for chemical analysis
- No recovery
- Grab sample
- Contacts
- Dashed where approximate
- Dashed where uncertain
- Hachured where gradational
- est K - Estimated permeability (hydraulic conductivity)

Boring Log and Well Completion Details
MW-7 (Boring B-11)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

MONITOR WELL

7



Continues

EXPLANATION

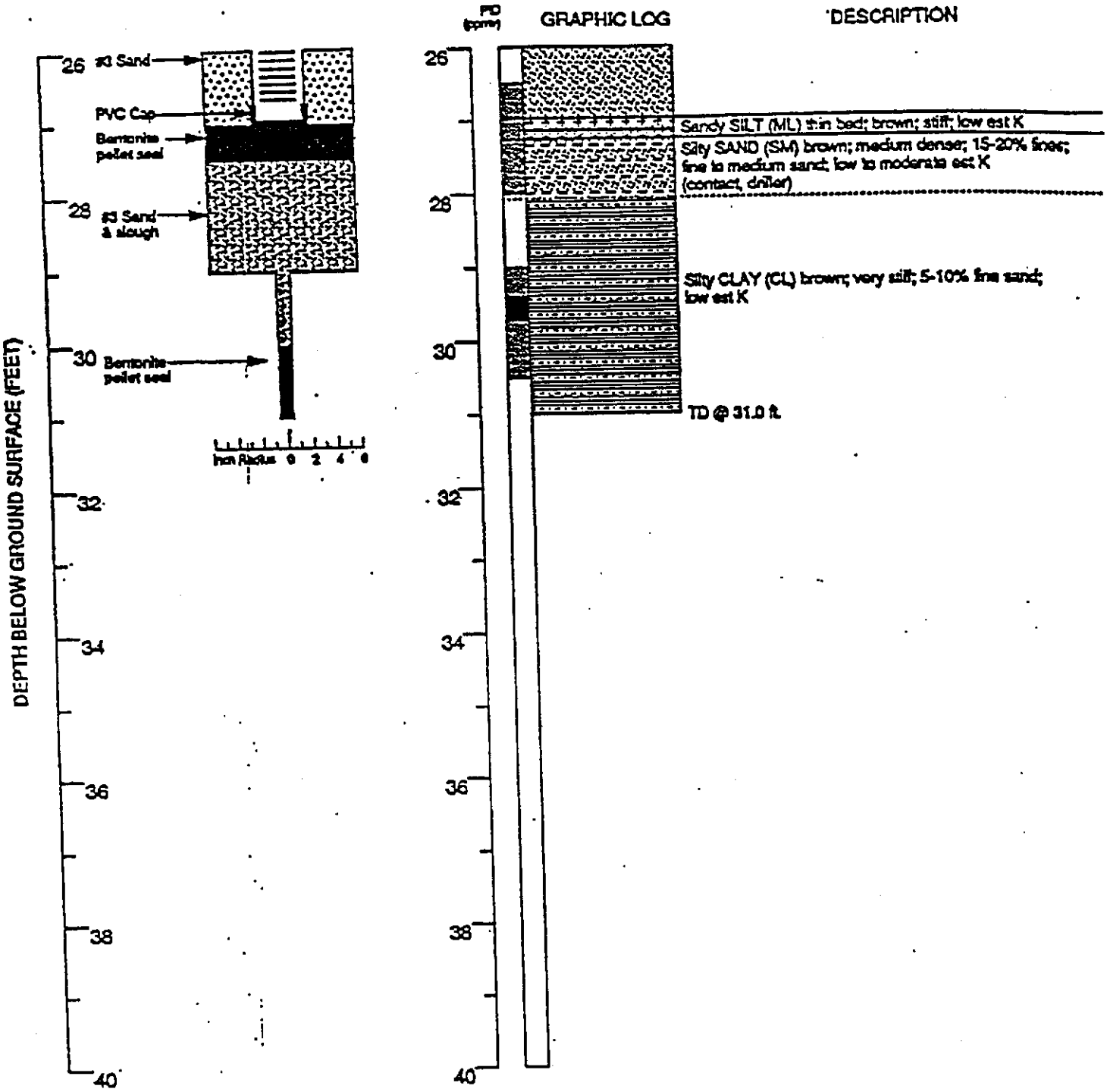
- C Water level during drilling
- E Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- NR No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K Estimated permeability (hydraulic conductivity)

Boring Log and Well Completion Details
MW-7 (Boring B-11) (cont.)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

MONITOR WELL

7



EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample tested for chemical analysis
- NR No recovery
- Grab sample
- Contacts
- Dashed where approximate
- Dashed where uncertain
- Hachured where gradational
- est K Estimated permeability (hydraulic conductivity)

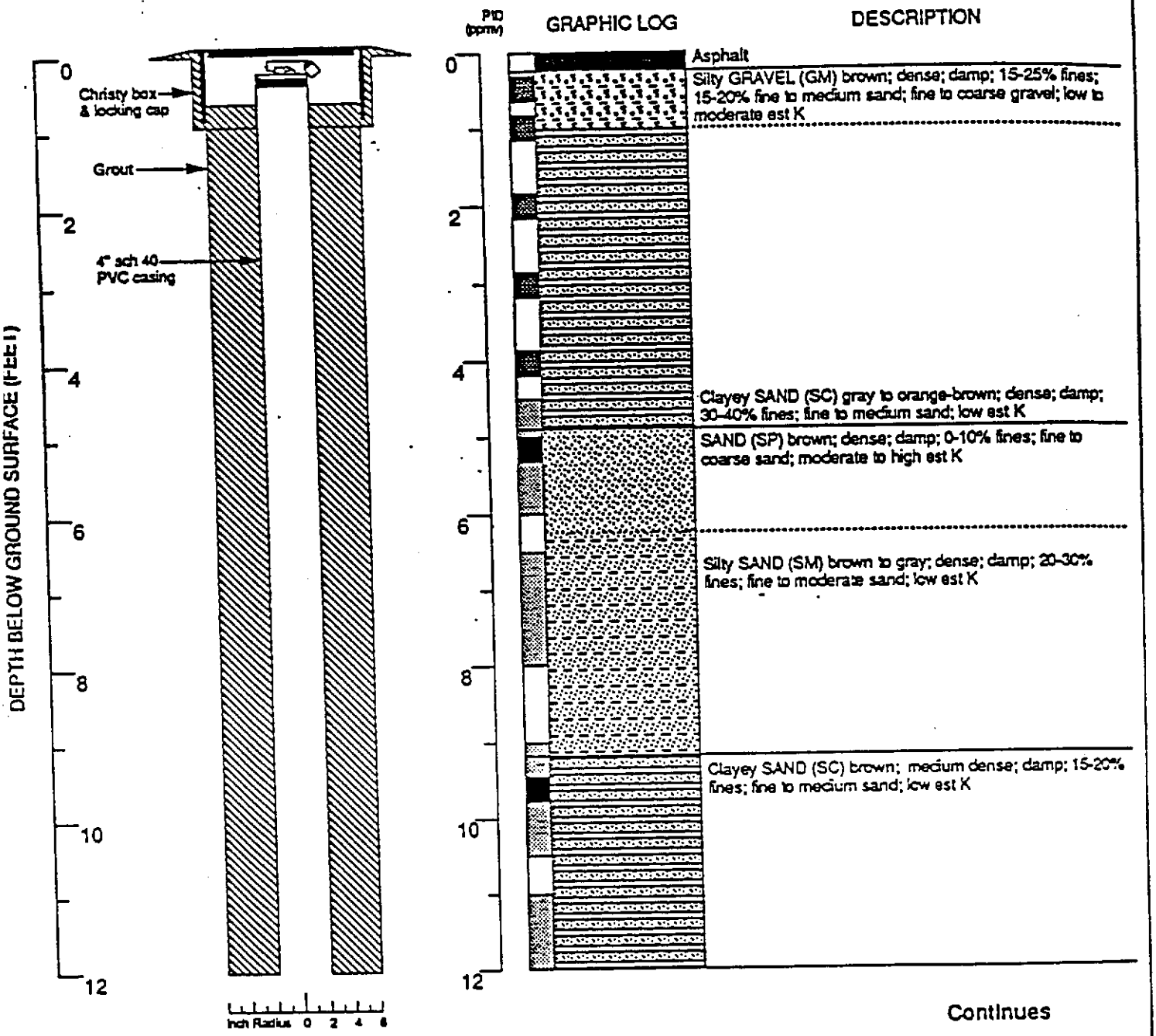
Boring Log and Well Completion Details
MW-7 (Boring B-11) (cont.)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

WESTERN GEOLOGIC RESOURCES, INC.

MONITOR WELL

7



Logged by:	Richard Baldwin	Drilling Company:	Exploration Geoservices	Well Head Completion:	Christy box & locking cap
Supervisor:	Tom Howard	Drilling Method:	12" Hollow stem auger	Type of Samplers:	2" & 1.4" split barrel
Dates Drilled:	4/19/89	Driller:	Dave Yeager/Troy Foster	TD (Total Depth):	28.0 ft.

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- NR No recovery
- Grab sample
- ——— Contacts
- ····· Dotted where approximate
- - - - Dashed where uncertain
- ////// Hachured where gradational
- est K Estimated permeability (hydraulic conductivity)

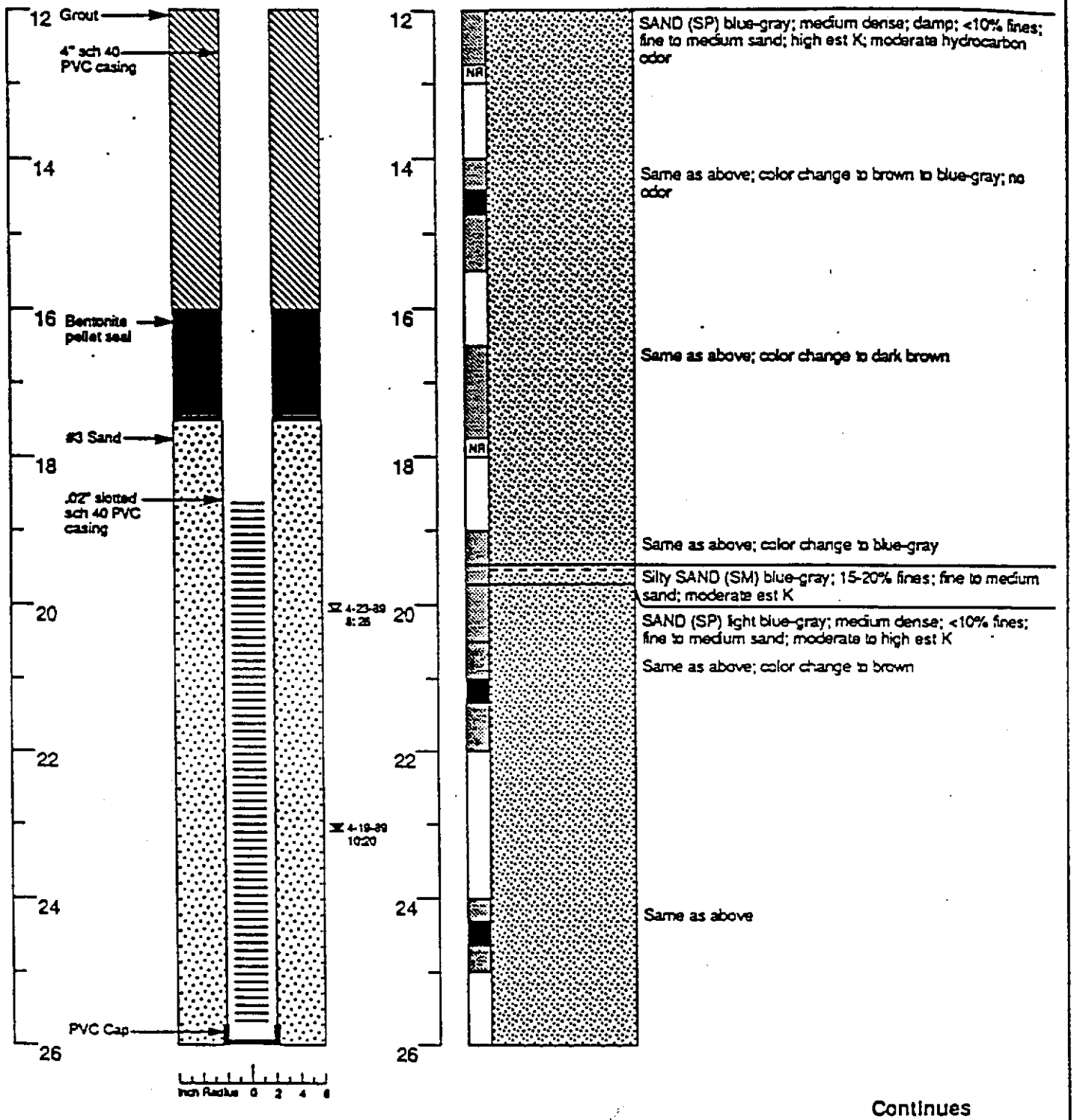
Boring Log and Well Completion Details
MW-8 (Boring B-12)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

MONITOR WELL

8

WESTERN GEOLOGIC RESOURCES, INC.



EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity)

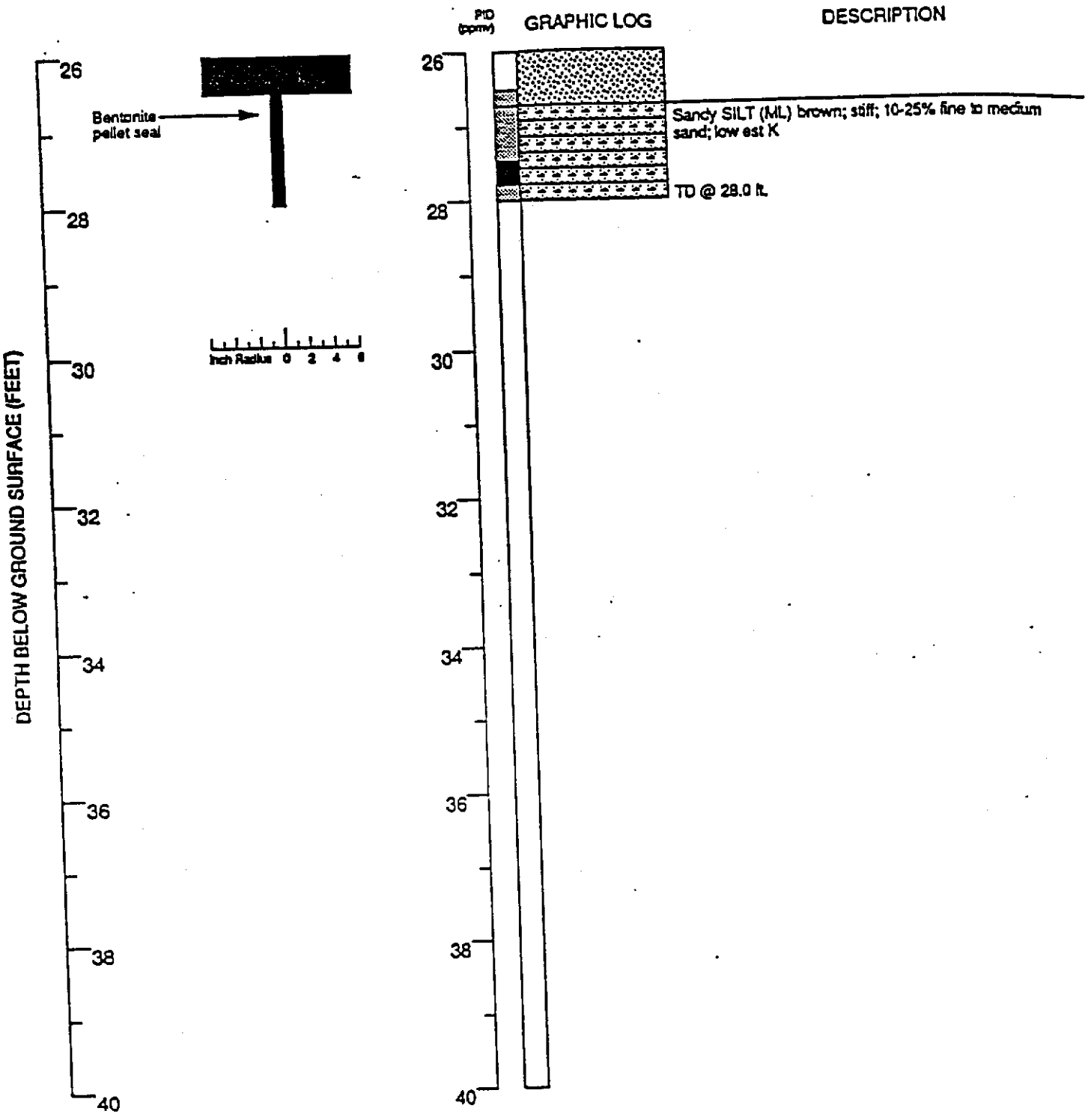
Boring Log and Well Completion Details
MW-8 (Boring B-12) (cont.)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

WESTERN GEOLOGIC RESOURCES, INC.

MONITOR WELL

8



EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- NR No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K Estimated permeability (hydraulic conductivity)

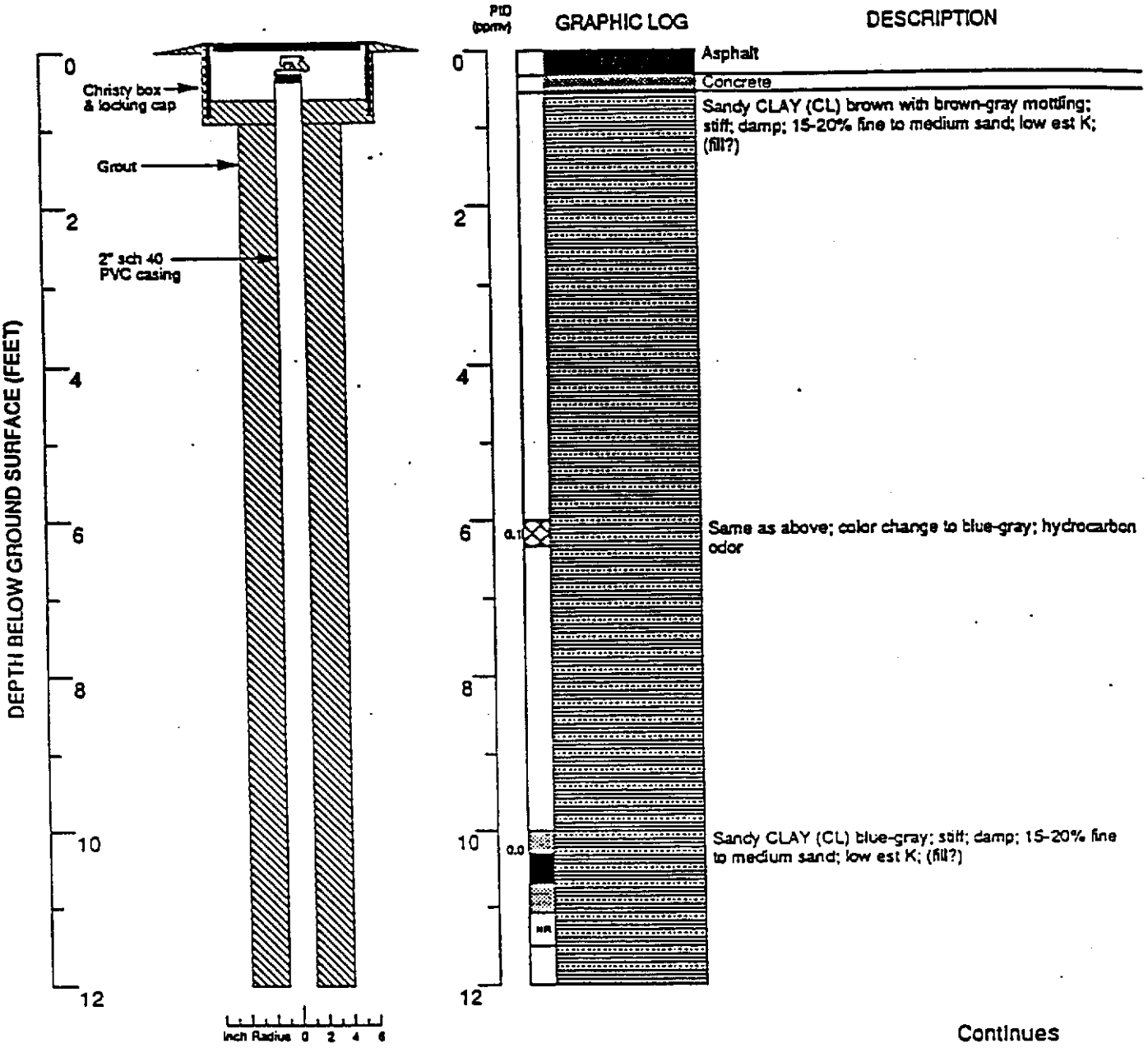
Boring Log and Well Completion Details
MW-8 (Boring B-12) (cont.)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

MONITOR WELL

8

WESTERN GEOLOGIC RESOURCES, INC.



Logged by:	Julie Noffke	Drilling Company:	B & F Drilling Co., Inc.	Well Head Completion:	Christy box & locking cap
Project Mgr:	Len Niles	Drilling Method:	8" Hollow stem auger	Type of Sampler:	2" split barrel
Dates Drilled:	6/20/90	Driller:	Bruce Cox	TD (Total Depth):	27.5 ft.

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample mailed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain; Dotted where approximate; Dashed where uncertain; Hachured where gradational
- est K: Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR: No recovery

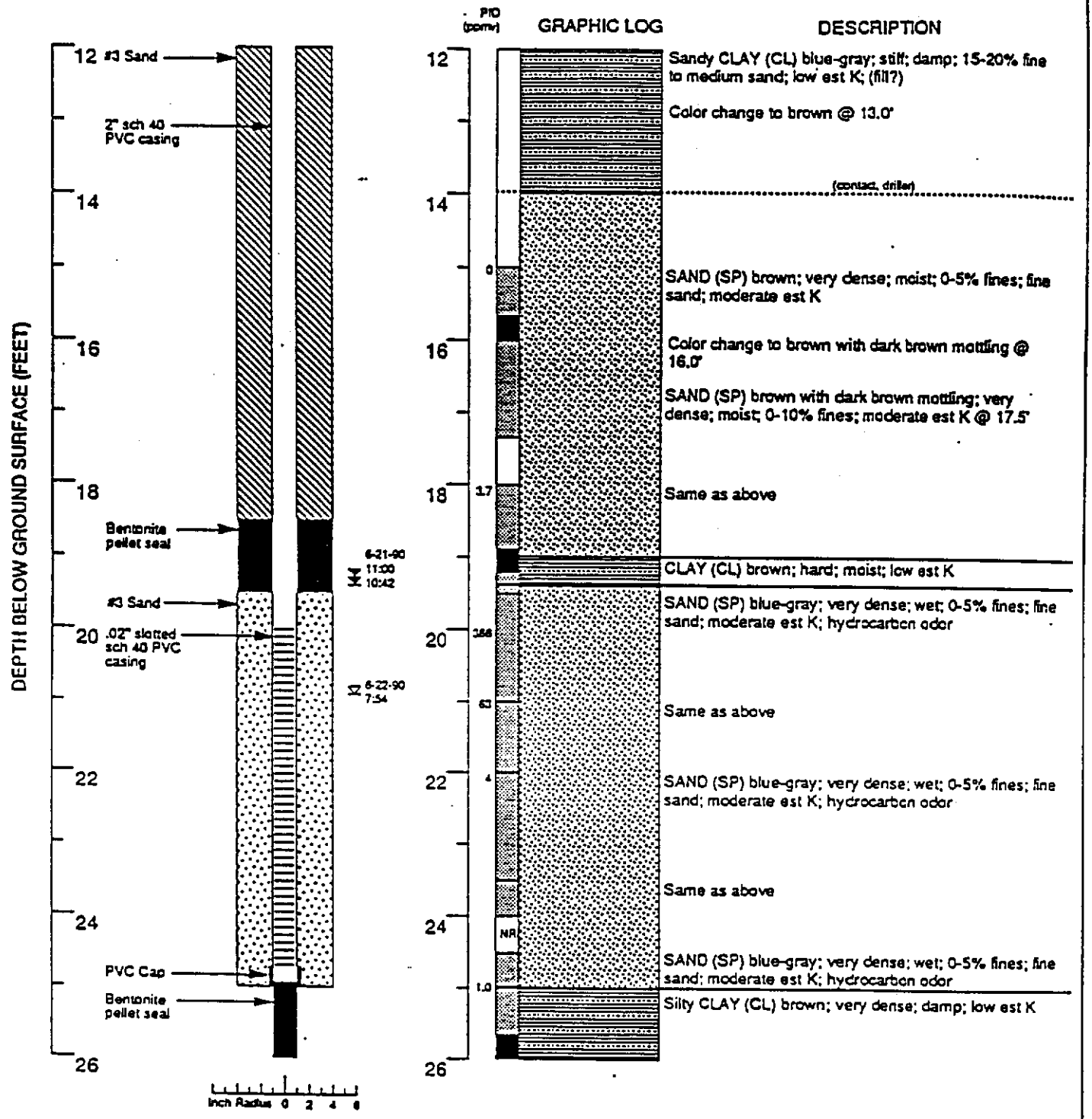
Boring Log and Well Completion Details
MW-9 (Boring B-16)

Chevron Service Station #90020
Oakland, California

MONITOR WELL
9

WESTERN GEOLOGIC RESOURCES, INC.

1-012.04



Continues

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain; Dotted where approximate; Dashed where uncertain; Hachured where gradational
- est K: Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR: No recovery

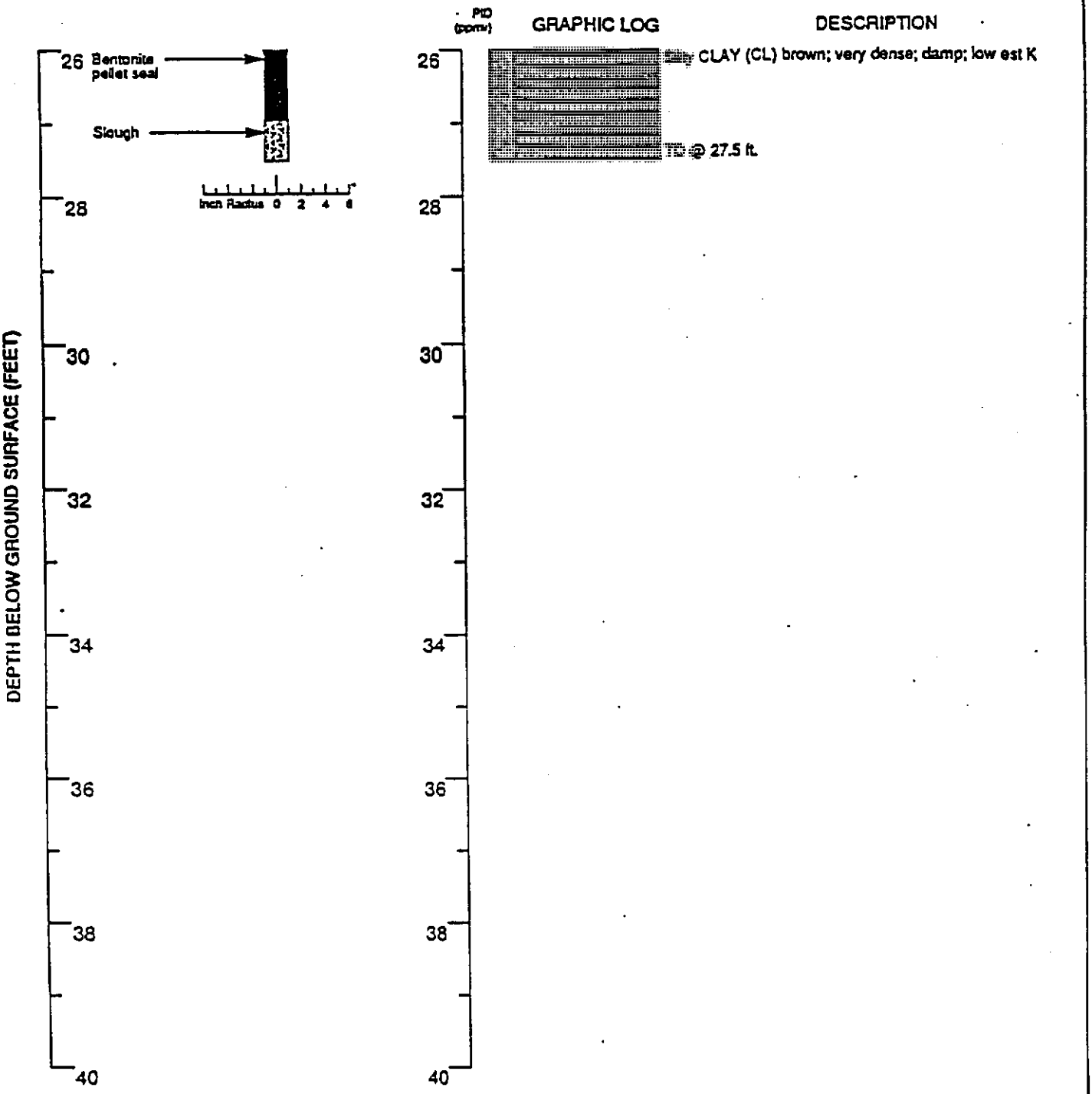
Boring Log and Well Completion Details
MW-9 (Boring B-16)

Chevron Service Station #90020
Oakland, California

MONITOR WELL
9

WESTERN GEOLOGIC RESOURCES, INC.

1-012.04



EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample

Contacts:
- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery

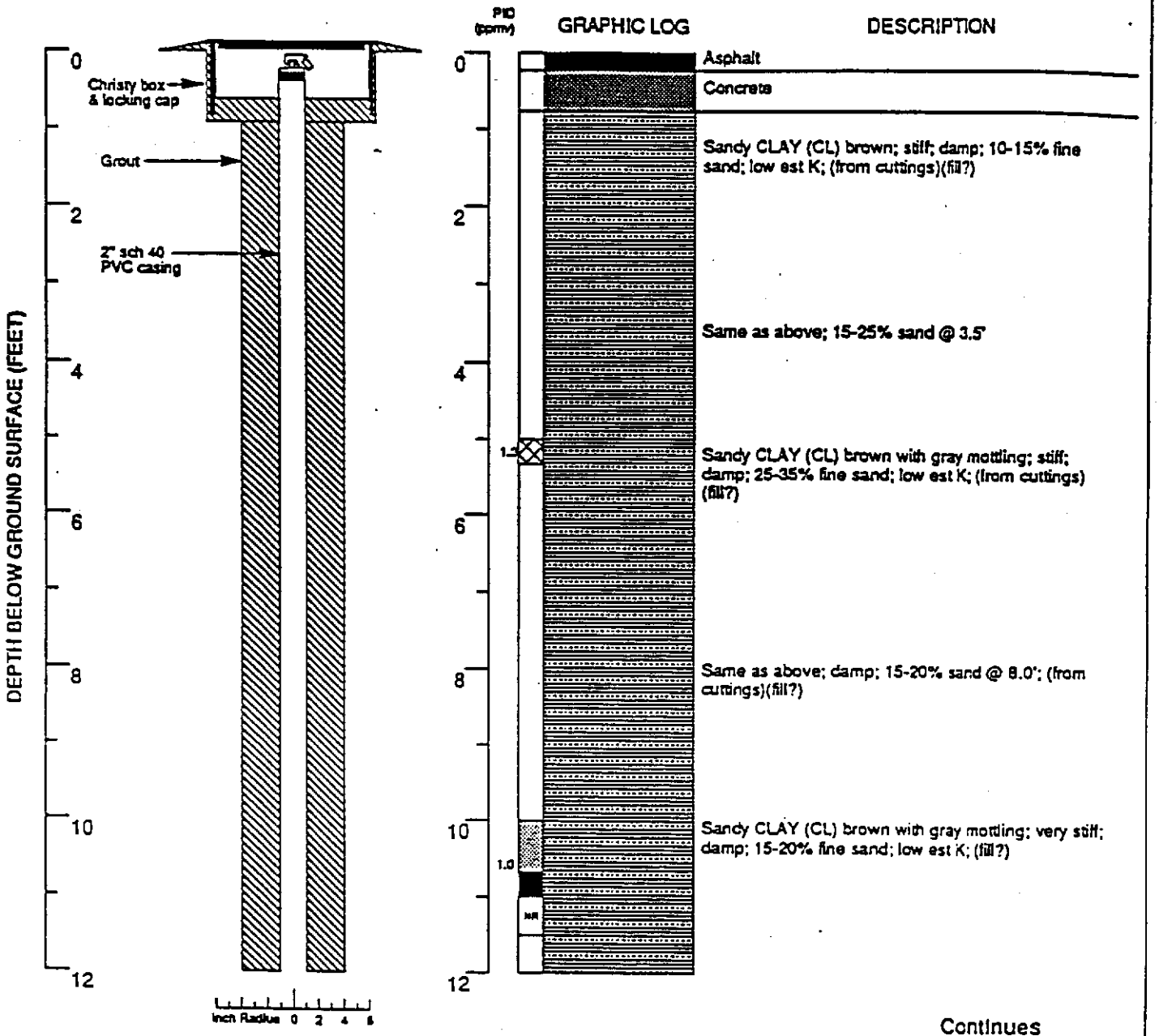
Boring Log and Well Completion Details
MW-9 (Boring B-16)

Chevron Service Station #90020
Oakland, California

MONITOR WELL
9

WESTERN GEOLOGIC RESOURCES, INC.

1-012.04



Logged by:	Justin Power	Drilling Company:	B & F Drilling Co., Inc.	Well Head Completion:	Christy box & locking cap
Project Mgr:	Len Niles	Drilling Method:	8" Hollow stem auger	Type of Sampler:	2" split barrel
Dates Drilled:	6/20/90	Driller:	Bruce Cox	TD (Total Depth):	27.0 ft.

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain; Dotted where approximate; Dashed where uncertain; Hachured where gradational
- est K: Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR: No recovery

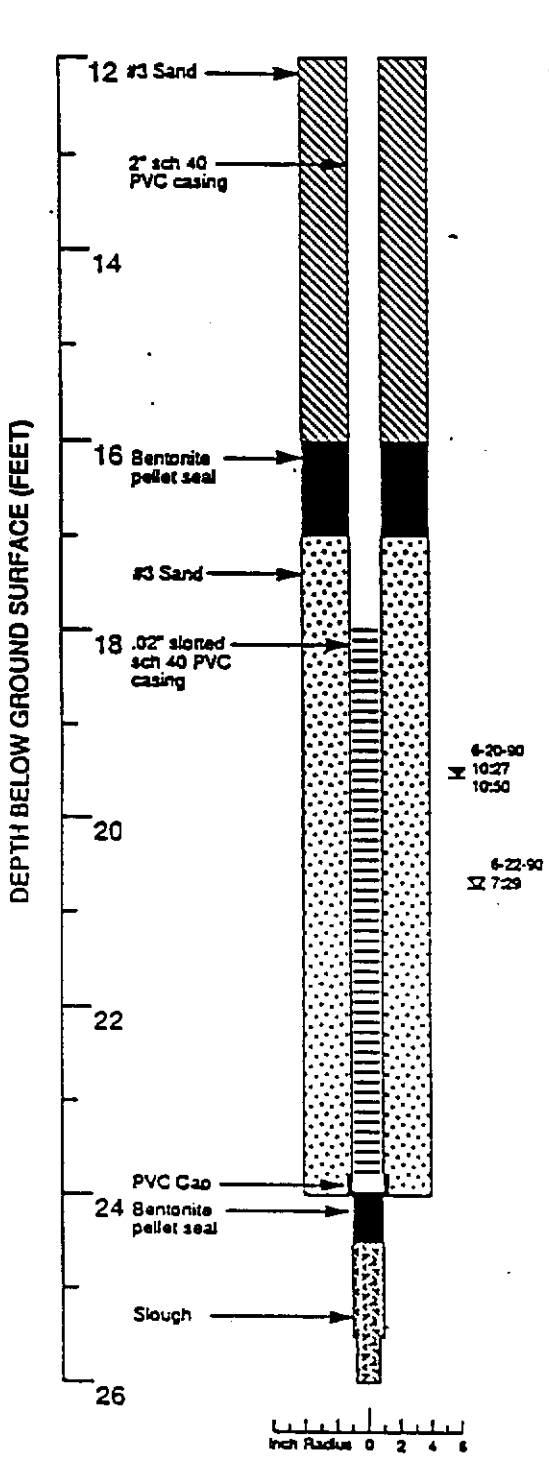
Boring Log and Well Completion Details
MW-10 (Boring B-15)

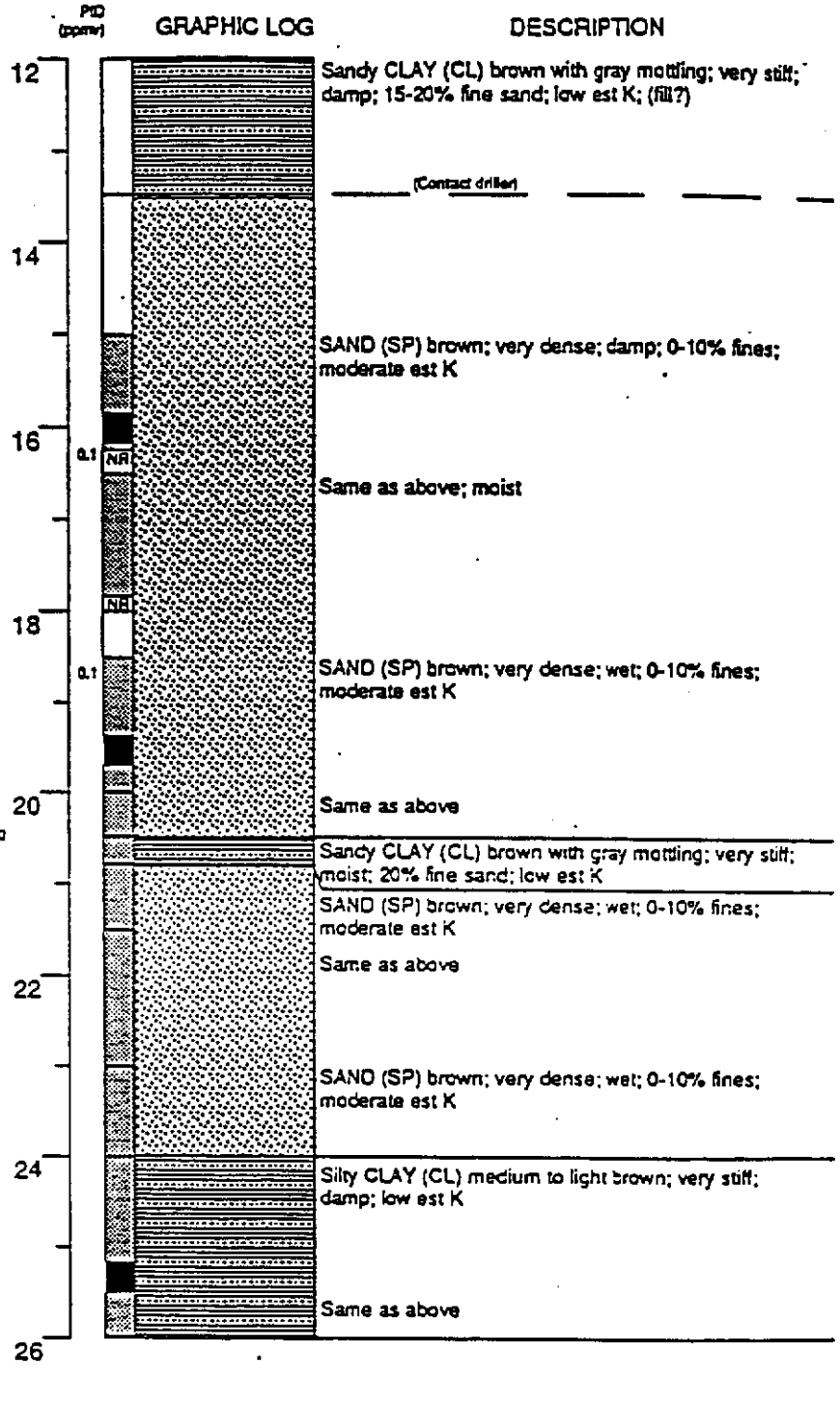
Chevron Service Station #90020
Oakland, California

MONITOR WELL
10

WESTERN GEOLOGIC RESOURCES, INC.

1-012.04





Continues

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sleeve sample
- Grab sample
- Contacts: Solid where certain; Dotted where approximate; Dashed where uncertain; Hachured where gradational
- est K: Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR: No recovery

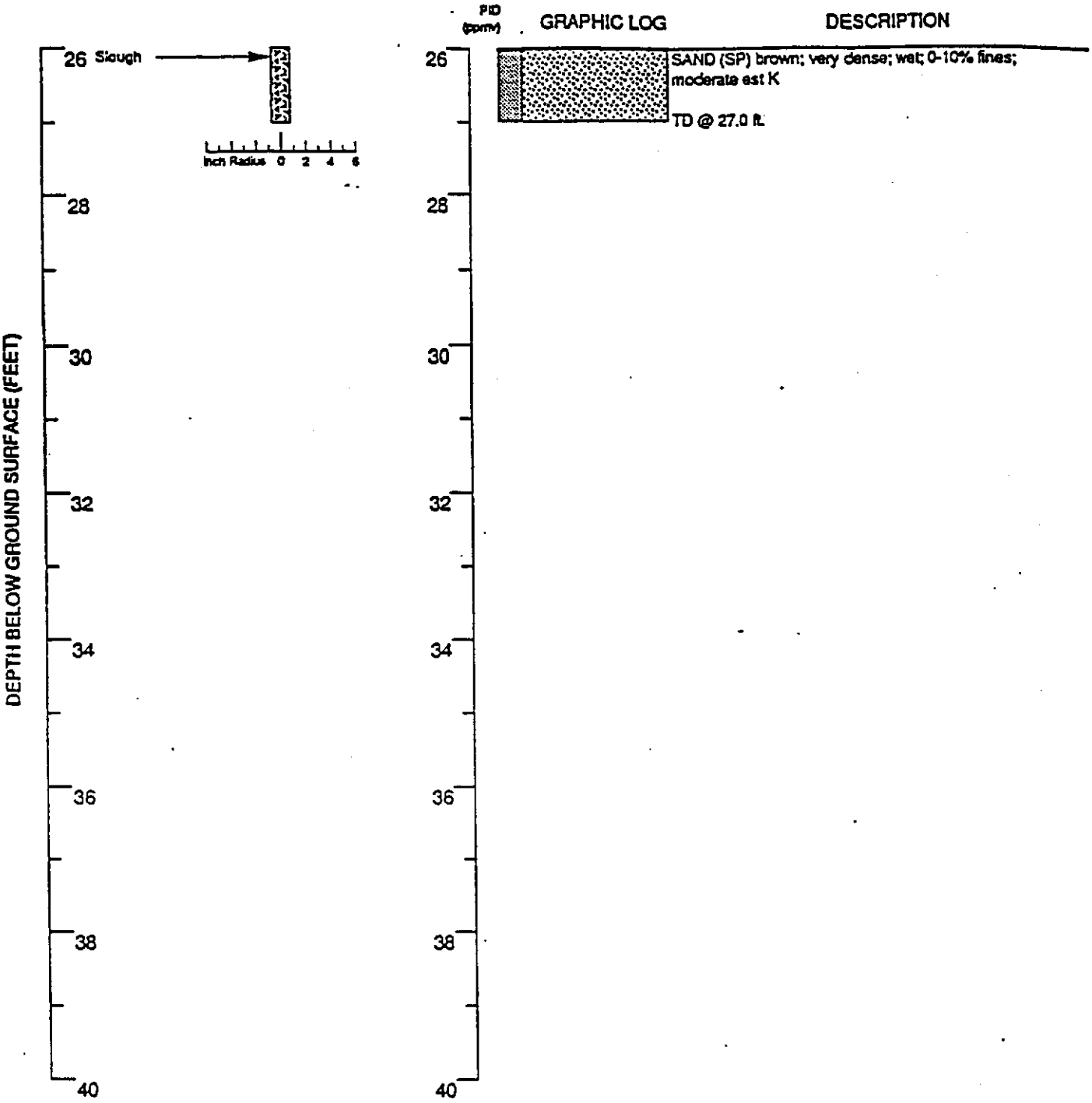
Boring Log and Well Completion Details
MW-10 (Boring B-15)

Chevron Service Station #90020
Oakland, California

MONITOR WELL
10

WESTERN GEOLOGIC RESOURCES, INC.

1-012.04



EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample

Contacts:
- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

- est K: Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR: No recovery

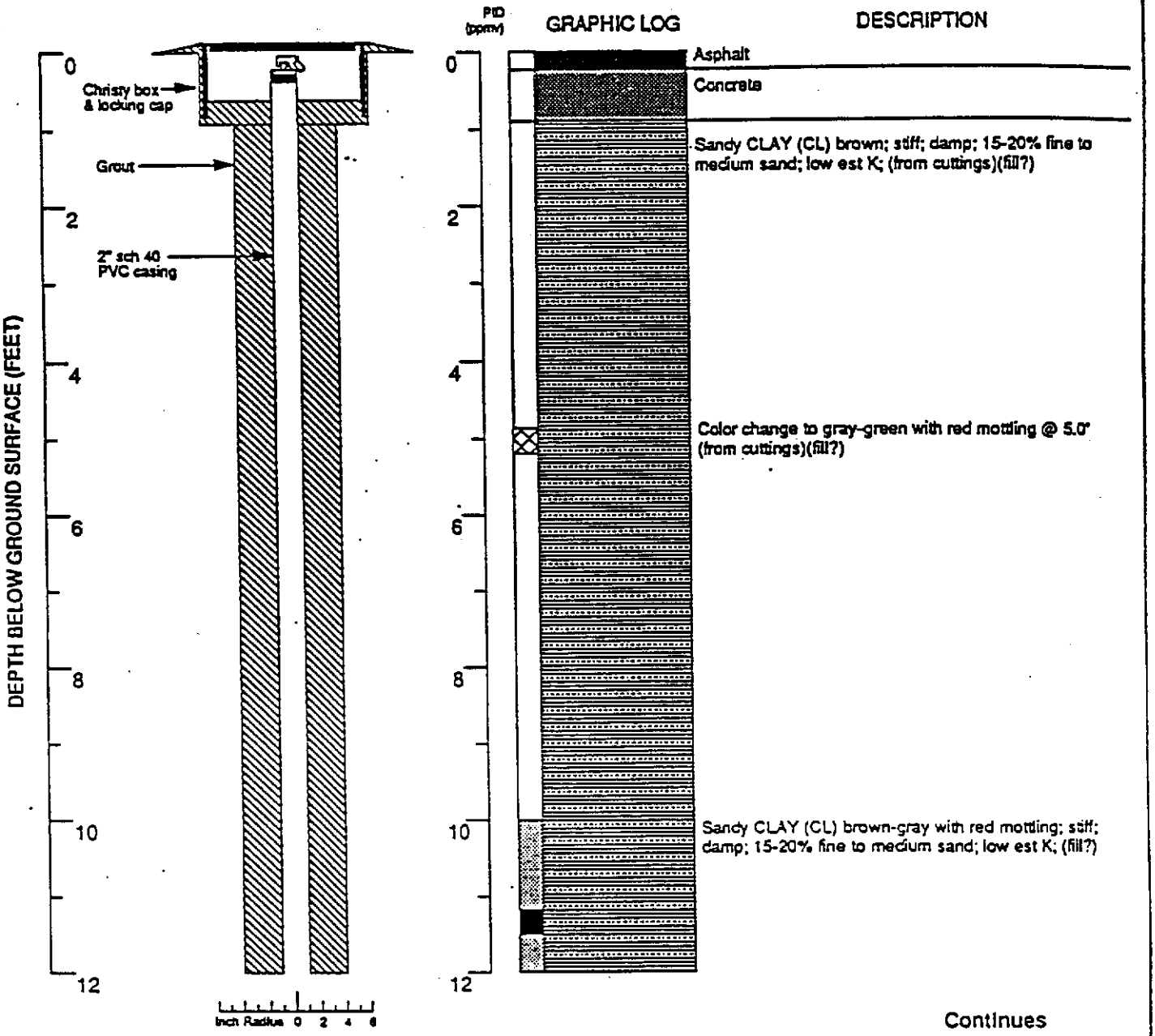
Boring Log and Well Completion Details
MW-10 (Boring B-15)

Chevron Service Station #90020
Oakland, California

MONITOR WELL
10

WESTERN GEOLOGIC RESOURCES, INC.

1-012.04



Logged by:	Julie Noffke	Drilling Company:	B & F Drilling Co., Inc.	Well Head Completion:	Christy box & locking cap
Project Mgr:	Len Niles	Drilling Method:	8" Hollow stem auger	Type of Sampler:	2" split barrel
Dates Drilled:	6/18/90	Driller:	Bruce Cox	TD (Total Depth):	29.5 ft.

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain; Dotted where approximate; Dashed where uncertain; Hachured where gradational
- est K: Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR: No recovery

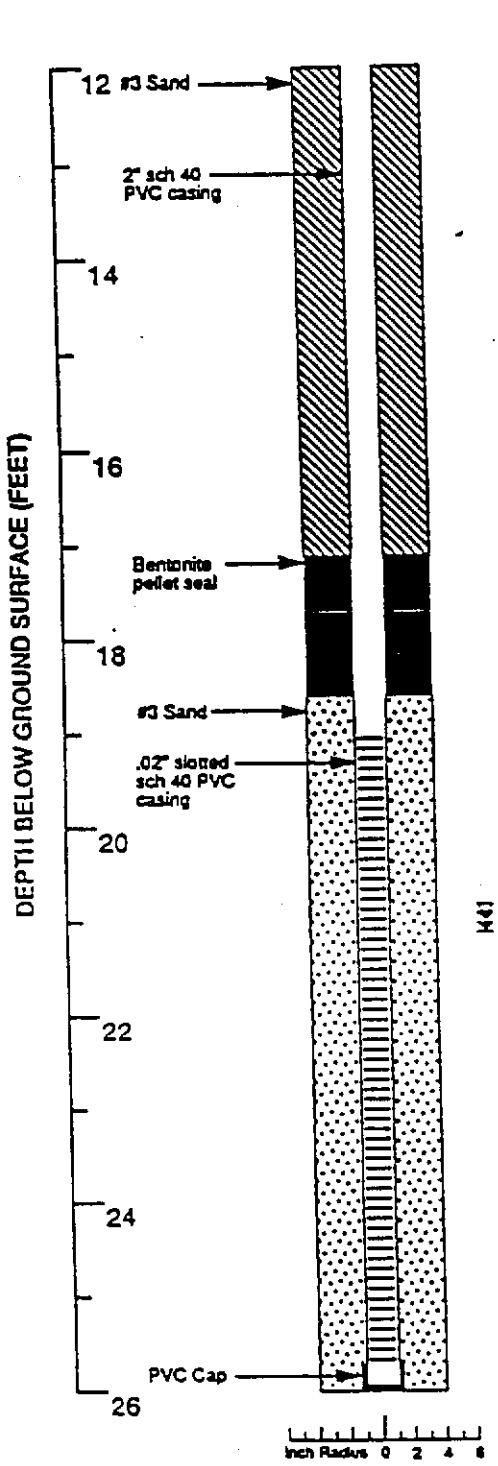
Boring Log and Well Completion Details
MW-11 (Boring B-13)

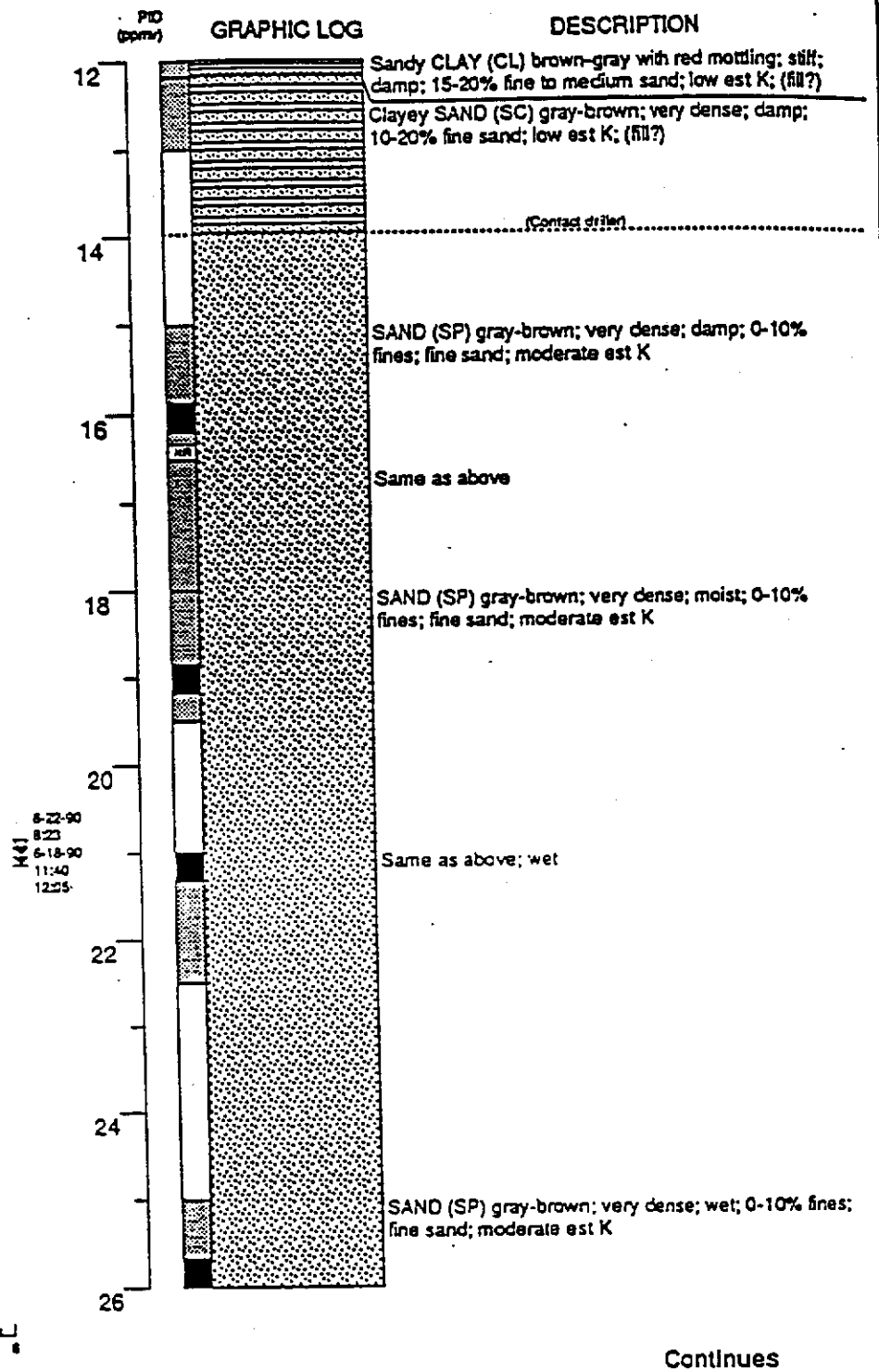
Chevron Service Station #90020
Oakland, California

MONITOR WELL
11

WESTERN GEOLOGIC RESOURCES, INC.

1-012.04





Continues

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain; Dotted where approximate; Dashed where uncertain; Hachured where gradational
- est K: Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR: No recovery

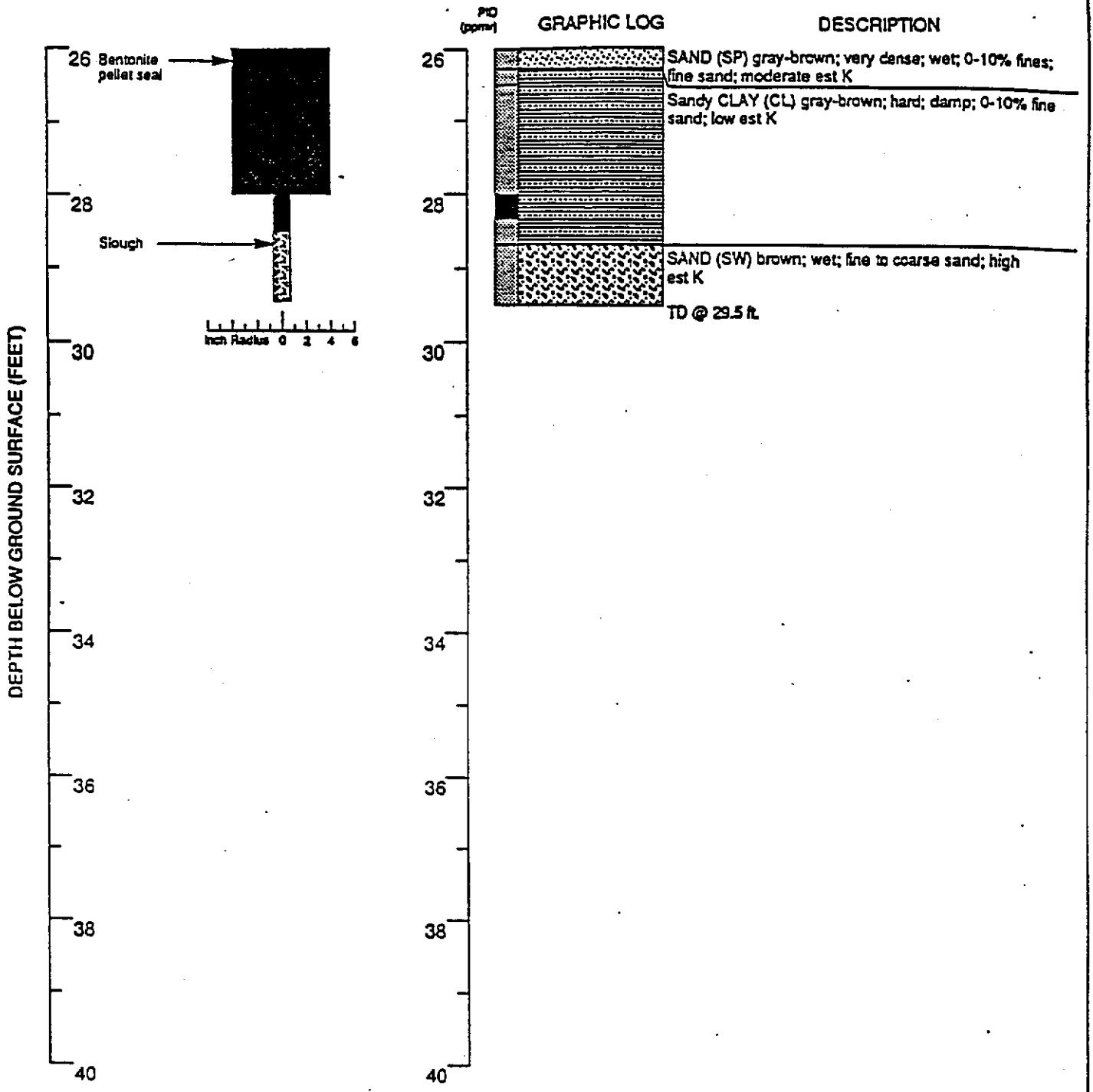
Boring Log and Well Completion Details
MW-11 (Boring B-13)

Chevron Service Station #90020
Oakland, California

MONITOR WELL
11

WESTERN GEOLOGIC RESOURCES, INC.

1-012.04



EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain; Dotted where approximate; Dashed where uncertain; Hachured where gradational
- est K: Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR: No recovery

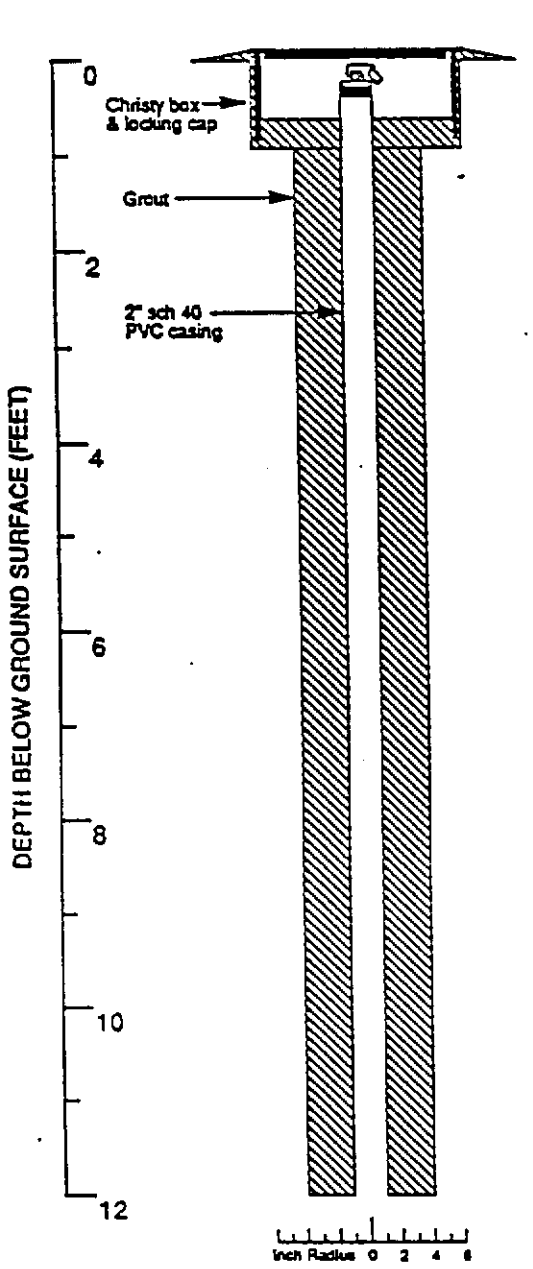
Boring Log and Well Completion Details
MW-11 (Boring B-13)

Chevron Service Station #90020
Oakland, California

MONITOR WELL
11

WESTERN GEOLOGIC RESOURCES, INC.

1-012.04



PID (ppm)	GRAPHIC LOG	DESCRIPTION
0		Asphalt
		Concrete
		Sandy CLAY (CL) brown; medium stiff; damp; 20-30% fine to medium sand; low est K; (from cuttings)(fill?)
2		
4		Same as above; (from cuttings)
6		
8		
10		Sandy CLAY (CL) brown; medium stiff; moist; 20-30% fine to medium sand; low est K; (fill?)
	NR	Same as above; color change to gray-green; 25-35% sand @ 11.5'
12		

Continues

Logged by:	Joel Coffman	Drilling Company:	B & F Drilling Co., Inc.	Well Head Completion:	Christy box & locking cap
Project Mgr:	Len Niles	Drilling Method:	8" Hollow stem auger	Type of Sampler:	2" split barrel
Dates Drilled:	6/19/90	Driller:	Bruce Cox	TD (Total Depth):	29.5 ft.

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample

Contacts:
- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary

NR — No recovery

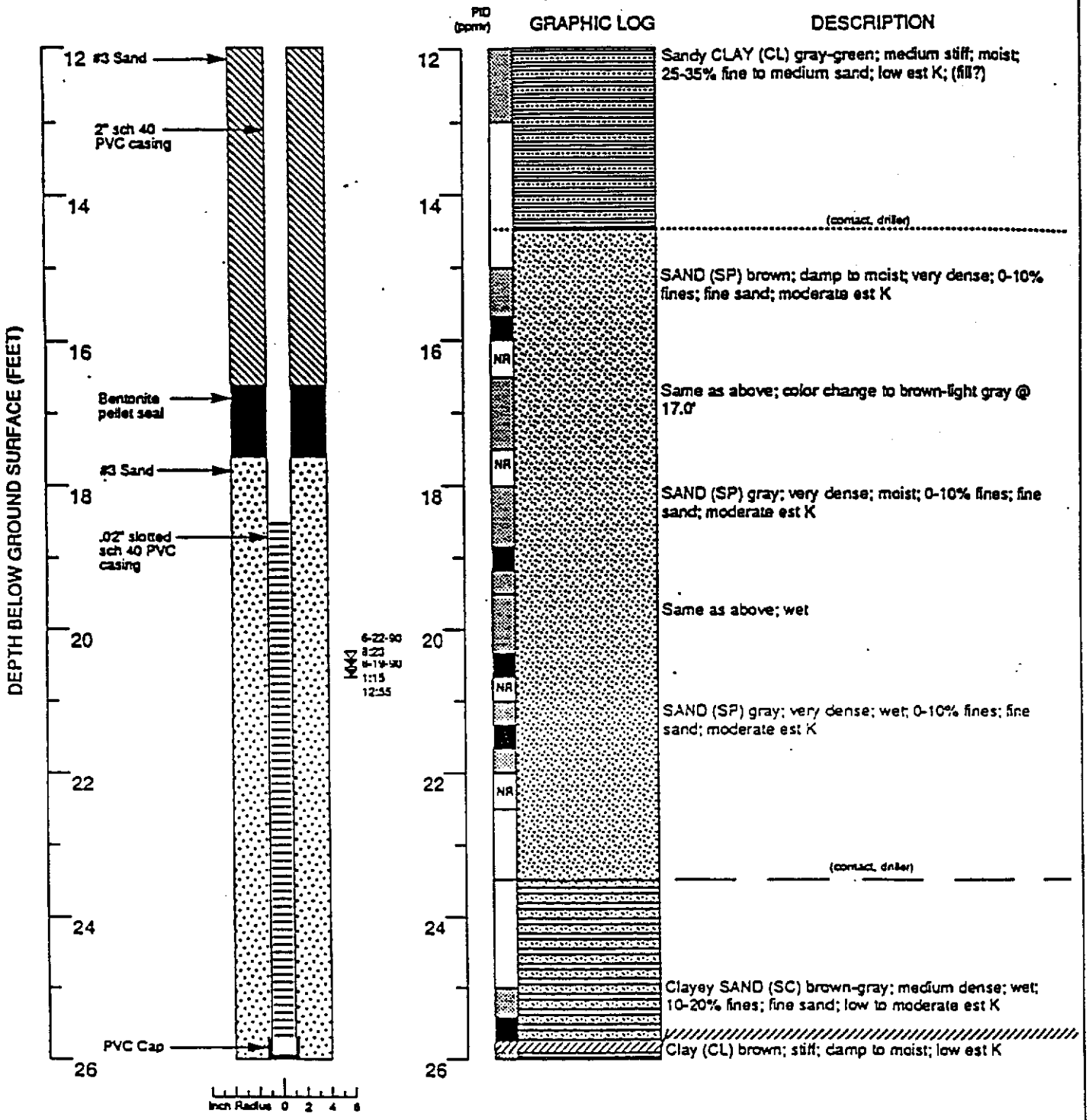
Boring Log and Well Completion Details
MW-12 (Boring B-14)

Chevron Service Station #90020
Oakland, California

MONITOR WELL
12

WESTERN GEOLOGIC RESOURCES, INC.

1-012.04



Continues

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K: Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR: No recovery

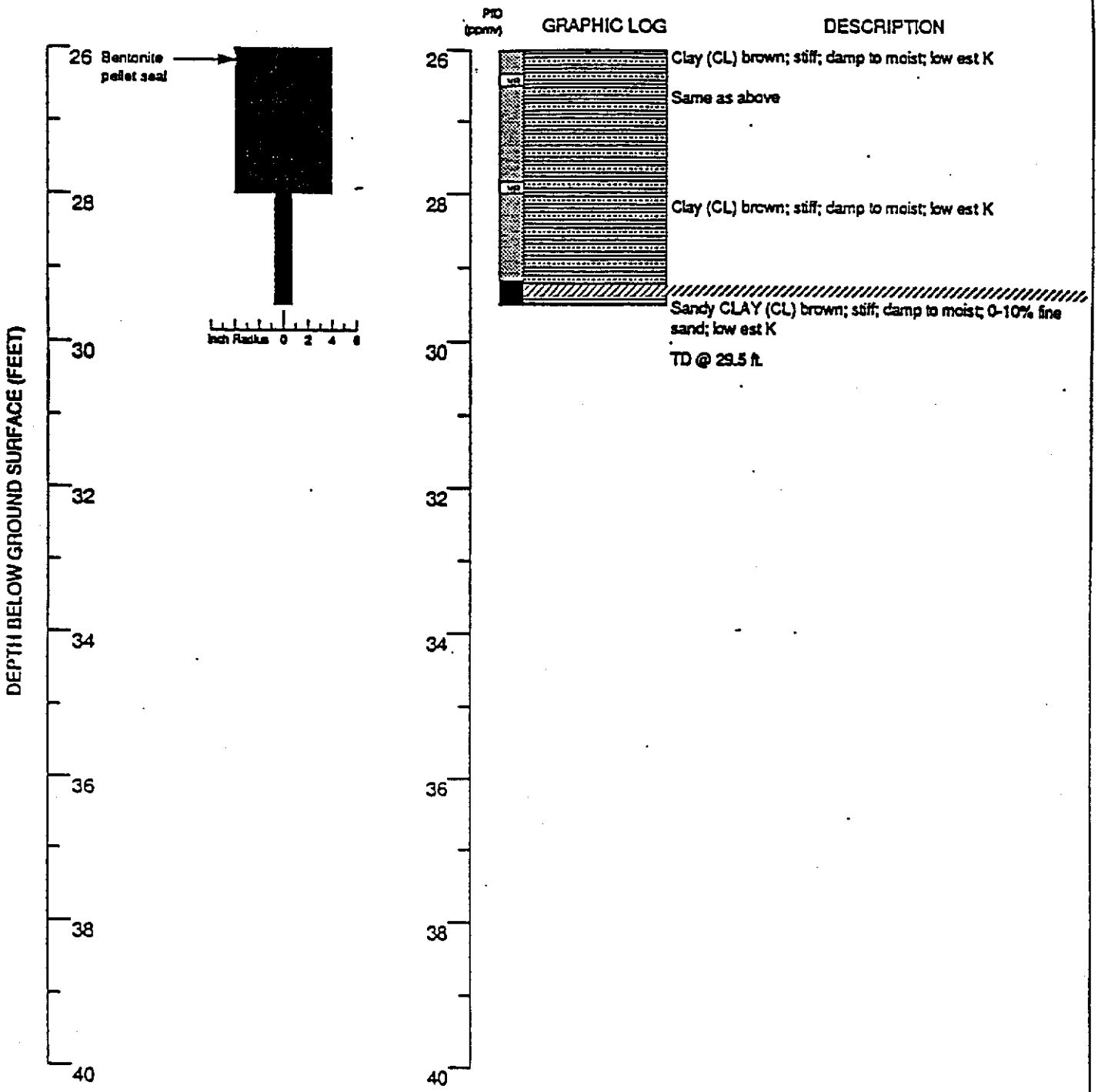
Boring Log and Well Completion Details
MW-12 (Boring B-14)

Chevron Service Station #90020
Oakland, California

MONITOR WELL
12

WESTERN GEOLOGIC RESOURCES, INC.

1-012.04



EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain; Dotted where approximate; Dashed where uncertain; Hachured where gradational
- est K: Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR: No recovery

Boring Log and Well Completion Details
MW-12 (Boring B-14)

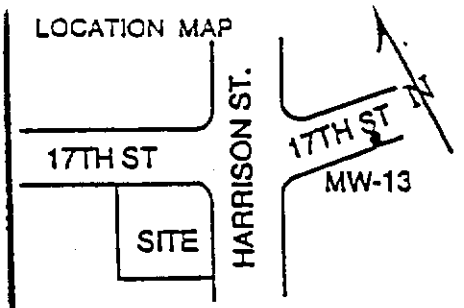
Chevron Service Station #90020
Oakland, California

MONITOR WELL
12

WESTERN GEOLOGIC RESOURCES, INC.

1-012.04

LOCATION MAP



NORTHING EASTING ELEVATION

PACIFIC ENVIRONMENTAL GROUP, INC.

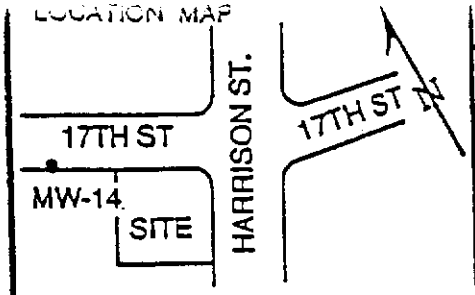
WELL NO. MW-13
PAGE 1 OF 1

PROJECT NO. 320-90.01
LOGGED BY: SVG
DRILLER: WEST HAZMAT
DRILLING METHOD: HSA
SAMPLING METHOD: CAL MOD
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2 x 12 SAND

CLIENT: Chevron USA
DATE DRILLED: 10-3-91
LOCATION: 1633 Harrison St.
HOLE DIAMETER: 8"
HOLE DEPTH: 28'
WELL DIAMETER: 2"
WELL DEPTH: 28'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	SOIL TYPE	LITHOLOGY / REMARKS
NEAT CEMENT				0		ASPHALT CONCRETE
	Dp			2	SM	SILTY SAND; yellow brown; 15-20% silty fines; medium sand; well sorted sand; dense; no product odor. @4.5': 6" thick concrete slab
	Dp	0	push	6	ML	SANDY SILT; dark brown; low plasticity; silty fines; 20-30% fine to medium sand; stiff; no product odor.
				8	SM	SILTY SAND; yellow brown; 15-20% silty fines; medium sand; well sorted sand; very dense; no product odor.
	Dp	0	49	10		
				12		
				14		
	Dp	0	>50	16		
				18		
BENTONITE				20		
	Dp/ Wt	0	>50	22		@21': color change to light gray; no product odor.
				24		
SAND						@25': increase in fines to 30-40%; faint product odor.
	Wt	1.4	45	26	ML	SANDY SILT; light brown; low plasticity; silty fines; 20-30% fine sand; stiff; no product odor.
	Dp	0		28		BOTTOM OF BORING AT 28'
				30		
				32		
				34		
				36		
				38		
				40		
				42		
				44		

LOCATION MAP

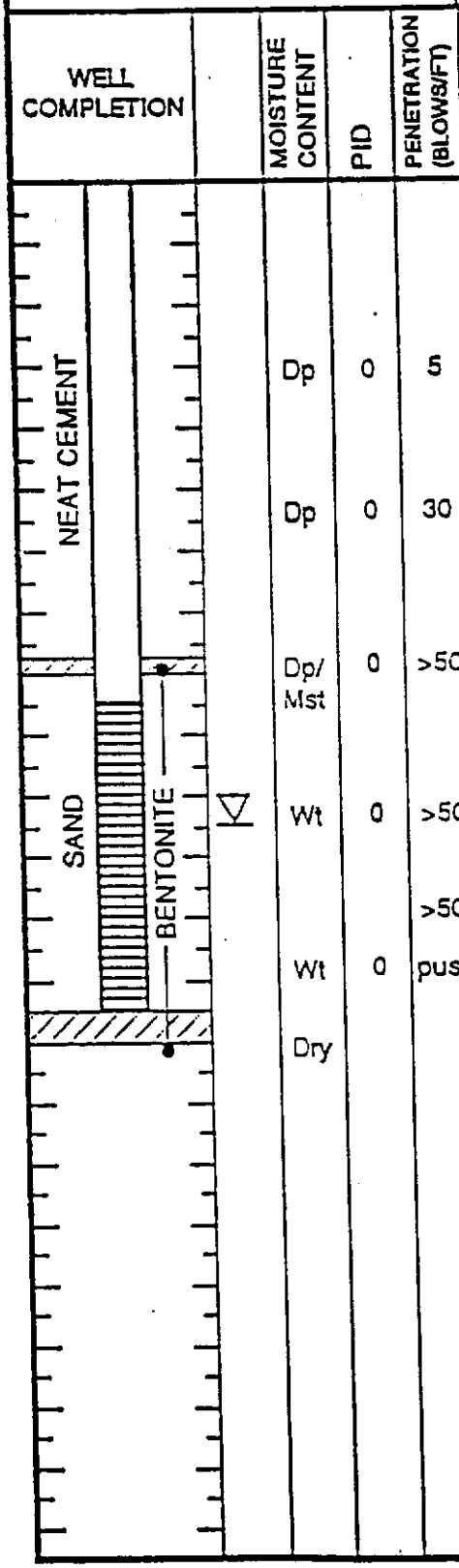


NORTHING EASTING ELEVATION

PACIFIC ENVIRONMENTAL GROUP, INC.

PROJECT NO. 320-90.01
LOGGED BY: SVG
DRILLER: WEST HAZMAT
DRILLING METHOD: HSA
SAMPLING METHOD: CAL MOD
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2 x 12 SAND

CLIENT: Chevron USA
DATE DRILLED: 10-3-91
LOCATION: 1633 Harrison St.
HOLE DIAMETER: 8"
HOLE DEPTH: 28.5'
WELL DIAMETER: 2"
WELL DEPTH: 27'
CASING STICKUP: NA



MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	SOIL TYPE	LITHOLOGY / REMARKS
			0		ASPHALT
			1		CONCRETE
			2	GM	SILTY GRAVEL - FILL; light gray; 20-30% silty fines; coarse gravel to 1"; very dense; no product odor.
			4	SM	SILTY SAND - yellowish brown; 15-20% silty fines; medium sand; well sorted sand; loose; no product odor.
Dp	0	5	6		
			8		@8': 4" thick concrete slab.
Dp	0	30	10		@10.5': change in color to light gray.
			12		
			14	SP-SM	SAND to SILTY SAND; yellowish brown; 5-10% silty fines; medium sand; well sorted sand; very dense; no product odor.
Dp/ Mst	0	>50	16		
			18		
Wt	0	>50	20		@20': wet; no product odor.
			22		
		>50	24		
Wt	0	push	26	ML	SILT; light tan; silty fines; 0-5% very fine sand; very stiff; no product odor.
Dry			28		BOTTOM OF BORING AT 28.5'
			30		
			32		
			34		
			36		
			38		
			40		
			42		
			44		

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well MW-15

Project CHV/1833 Harrison Street Owner Chevron U.S.A. Products Co.
Location Oakland, California Project No. 02020 2779 Date drilled 11/11/92
Surface Elev. 28.53 ft. Total Hole Depth 30 ft. Diameter 8.5 inches
Top of Casing 28.04 ft. Water Level Initial 20 ft. Static 12/16/92 19.74 ft.
Screen: Dia 2 in. Length 15 ft. Type/Size 0.020 in.
Casing: Dia 2 in. Length 13 ft. Type SCH 40 PVC
Filter Pack Material Lapis Lustre #3 Rig/Core Type Mobile B-53/Split Spoon
Drilling Company Kvilhaug Well Drilling Method Hollow Stem Auger Permit # 92288
Driller Mike Crocao Log By Chio Hurley
Checked By David Kleesattel License No. RG# 5138 David Kleesattel

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	Well Completion	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						Approximately 1-foot of concrete
2						Reddish brown sandy CLAY, 50% clay, 20% medium sand, 20% fine sand, 10% silt, moist.
4						
6		1	6 10 12		CL	
8						
10		2	22 40 50			Reddish brown clayey SAND, 60% medium sand, 20% clay, 15% fine sand, 5% silt, moist.
12						
14						
16		1	34 40 50		SC	
18						
20		7	25 45 50			Encountered groundwater at 20 feet on 11/11/92
22						
24						

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well MW-15

Project CHV/1633 Harrison Street Owner Chevron U.S.A. Products Co.
Location Oakland, California Project No. 02020 2779 Date drilled 11/11/92

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24					SC	
26		4	7			Tan silty CLAY, 55% clay, 45% silt, moist.
28			15		CL	
30		1	5			End of boring at 30 feet. Installed groundwater monitoring well.
32			8			
34			13			
36						
38						
40						
42						
44						
46						
48						
50						
52						
54						
56						

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well MW-16

Project CHV/1633 Harrison Street — Owner Chevron U.S.A. Products Co.
Location Oakland, California — Project No. 02020 2779 — Date drilled 12/08/92
Surface Elev. 28.59 ft. — Total Hole Depth 31.5 ft. — Diameter 8.5 inches
Top of Casing 28.32 ft. — Water Level Initial 20 ft. — Static 12/18/92 19.74 ft.
Screen: Dia 2 in. — Length 15 ft. — Type/Size 0.020 in.
Casing: Dia 2 in. — Length 15 ft. — Type SCH 40 PVC
Filter Pack Material Lapis Lustre #3 — Rig/Core Type Mobile B-53/Split Spoon
Drilling Company Kvilhaug Well Drilling — Method Hollow Stem Auger — Permit # 92288
Driller Rod Fowler — Log By Chio Hurley
Checked By David Kleesattel — License No. RG# 5138

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	Well Completion	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
0						Approximately 6 inches asphalt and 4 inches concrete
4		1	27 18 18		CL	Reddish brown sandy CLAY, 50% clay, 20% coarse sand, 20% fine sand, 10% silt, moist
10		2	50 24			
14		1	50 25		SC	Reddish brown clayey SAND, 60% sand, 30% clay, 10% silt.
20		7	50 45			▽ Encountered groundwater at 20 feet on 12/8/92
24						

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well MW-16

Project CHV/1633 Harrison Street Owner Chevron U.S.A. Products Co.
Location Oakland, California Project No. 02020 2779 Date drilled 12/08/92

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24		1.4	28		SC	
26			28			
28			30		CL	Gray/brown silty CLAY, 55% clay, 45% silt, wet.
30		0.3	50		SM	Gray silty SAND, 60% sand, 30% silt, 10% clay, saturated.
32						End of boring at 31.5 feet. Installed groundwater monitoring well.
34						
36						
38						
40						
42						
44						
46						
48						
50						
52						
54						
56						

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	MW-17
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	09-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	09-Oct-10
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	16-Oct-10
DRILLER	Vapor Tech Services (C57 #916085)	**GROUND SURFACE ELEVATION**	34.90 ft above msl
DRILLING METHOD	Direct-Push	**TOP OF CASING ELEVATION**	34.53 ft above msl
BORING DIAMETER	2"	**SCREENED INTERVALS**	17 to 24 fbg
LOGGED BY	Ian Hull	**DEPTH TO WATER (First Encountered)**	20.00 fbg (09-Oct-10) ▽
REVIEWED BY	Nathan S. Lee, PG# 8486	**DEPTH TO WATER (Static)**	20.30 fbg (09-Oct-10) ▼
REMARKS	Utility cleared with hand augers to 14 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT		
								1.0	
							Silty SAND: Light brown; dense; moist; poorly-graded fine sand.		
							@ 2.5 fbg soil becomes olive green.		
							@ 3.5 fbg soil becomes light brown.		
0		MW-17 -S-5		5					
					SM				Portland Type I/II
0		MW-17 -S-10		10			@ 10 fbg soil becomes brown.		
							@ 14 fbg soil becomes olive green.		Bentonite Seal
5		MW-17 -S-15		15					
								16.0	Monterey Sand #2/12
							SAND: Grey; loose; moist; poorly-graded fine sand with trace silt.		
71					SP				
							@ 19 fbg increase in silt.		
				20			▽	20.0	

WELL LOG (PID) I:\CHEVRON\3119--\311956~1\315373~1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Continued Next Page

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

BORING / WELL LOG

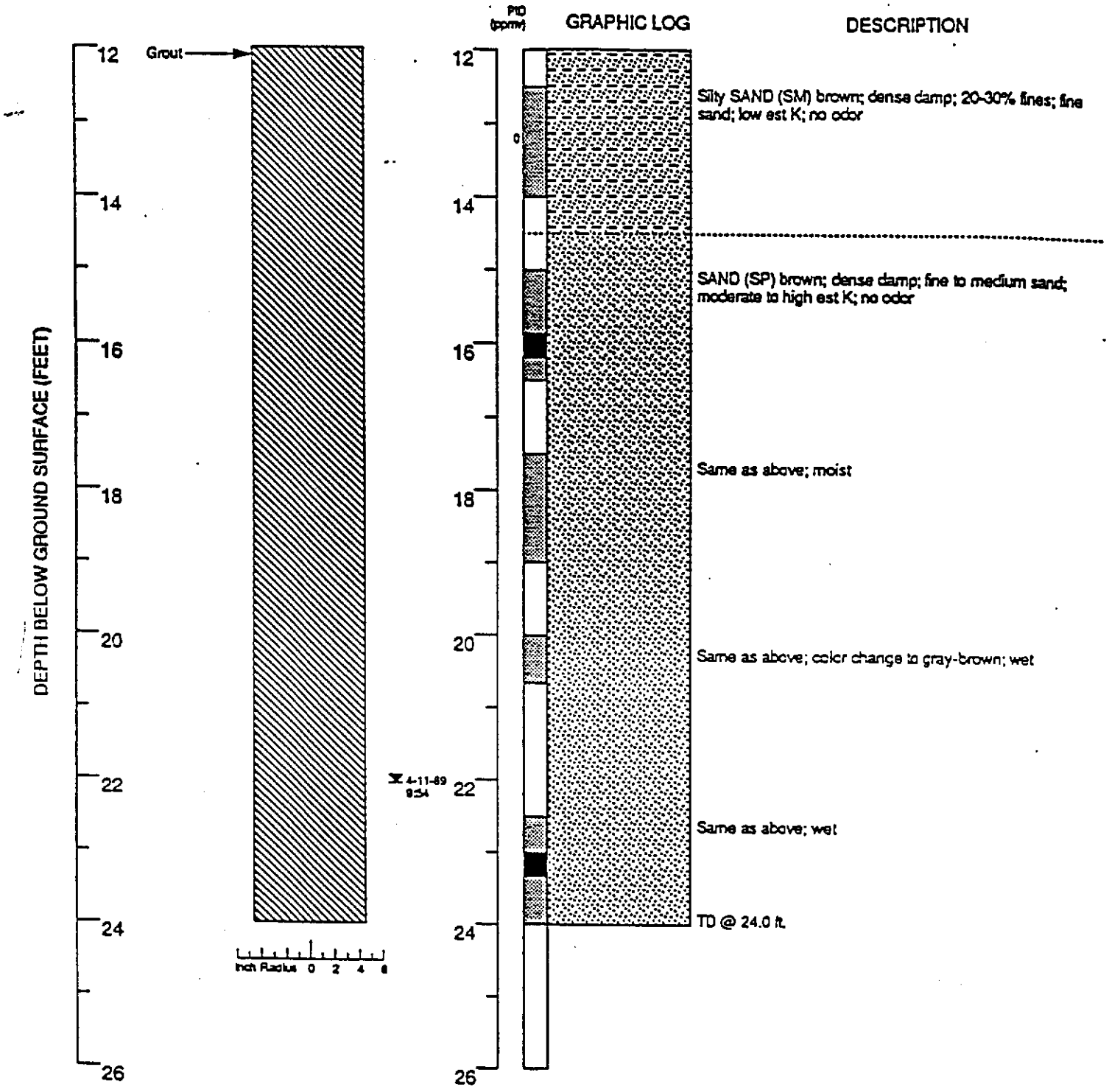
CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	MW-17
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	09-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	09-Oct-10

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
469		MW-17 -S-20					@ 20 fbg soil becomes wet. ▼	
							@ 22 fbg decrease in silt and soil becomes moist.	
732		MW-17 -S-24		25	SP			
							Silty SAND: Light brown; dense; moist; fine sand.	27.0
					SM			
3							**SAND:** Red-brown; wet; well-graded fine to coarse sand.	29.0
					SW			
8		MW-17 -S-30		30			**Silty SAND:** Light brown; dense; moist; fine sand.	30.0
					SM			
							SILT with sand: Light brown; firm; moist; very fine to fine sand.	32.0
3					ML			
0		MW-17 -S-34.5		35				35.0

WELL DIAGRAM: 1"-diam., 0.010" Slotted Schedule 40 PVC; Bentonite Pellets; Bottom of Boring @ 35 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311956-\315373-\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10



EXPLANATION

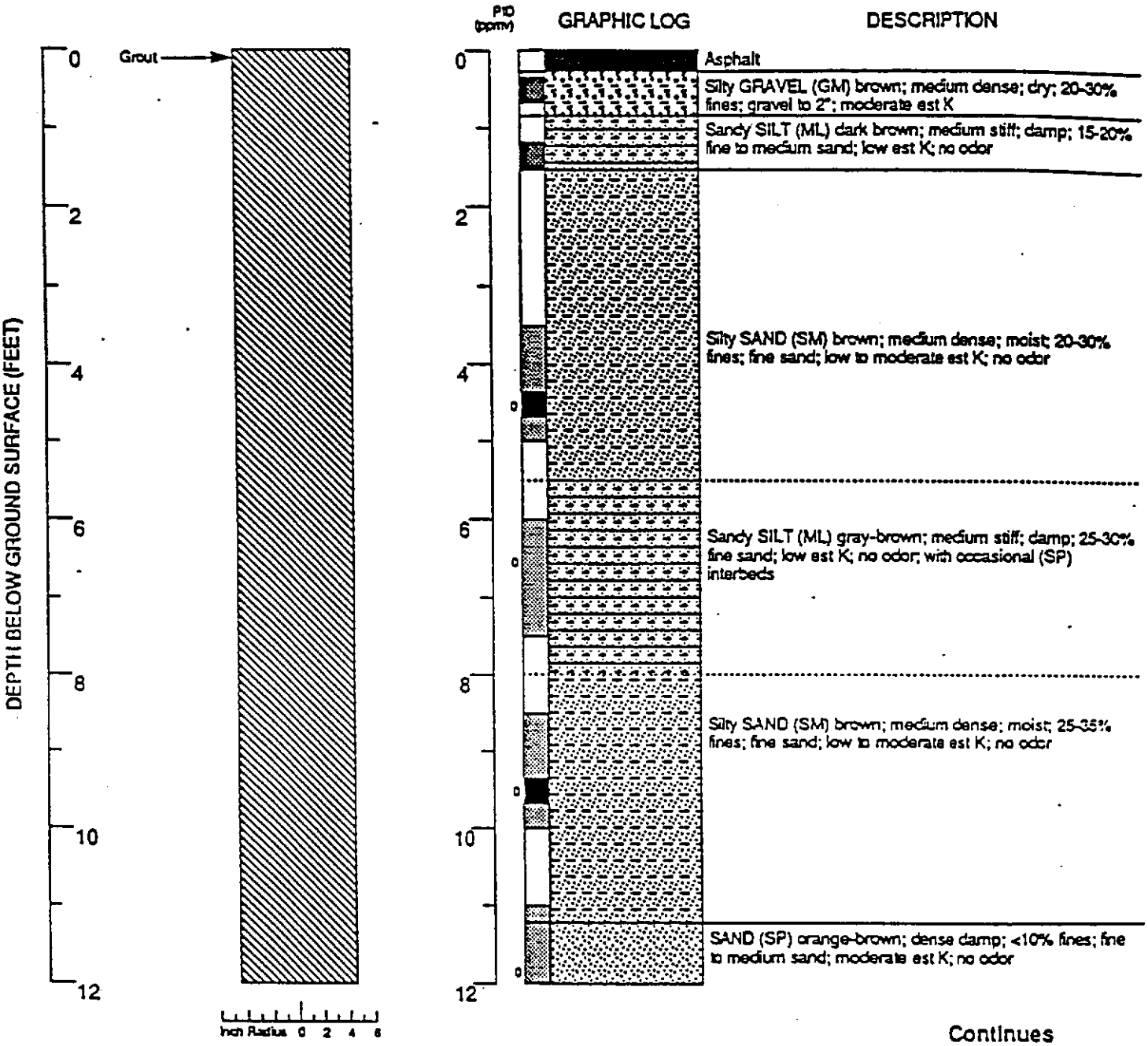
- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- NR No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K Estimated permeability (hydraulic conductivity)

Boring Log B-4 (cont.)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

BORING

4



Continues

Logged by:	Mike Edmonson	Drilling Company:	Exploration Geoservices	Well Head Completion:	None
Supervisor:	Tom Howard	Drilling Method:	9" Hollow stem auger	Type of Samplers:	2" & 1.4" split barrel
Dates Drilled:	4/11/89	Driller:	Dave Yeager	TD (Total Depth):	22.5 ft.

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- NR — No recovery
- Grab sample
- ——— Contacts
- ..... Dotted where approximate
- – – – Dashed where uncertain
- ////// Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity)

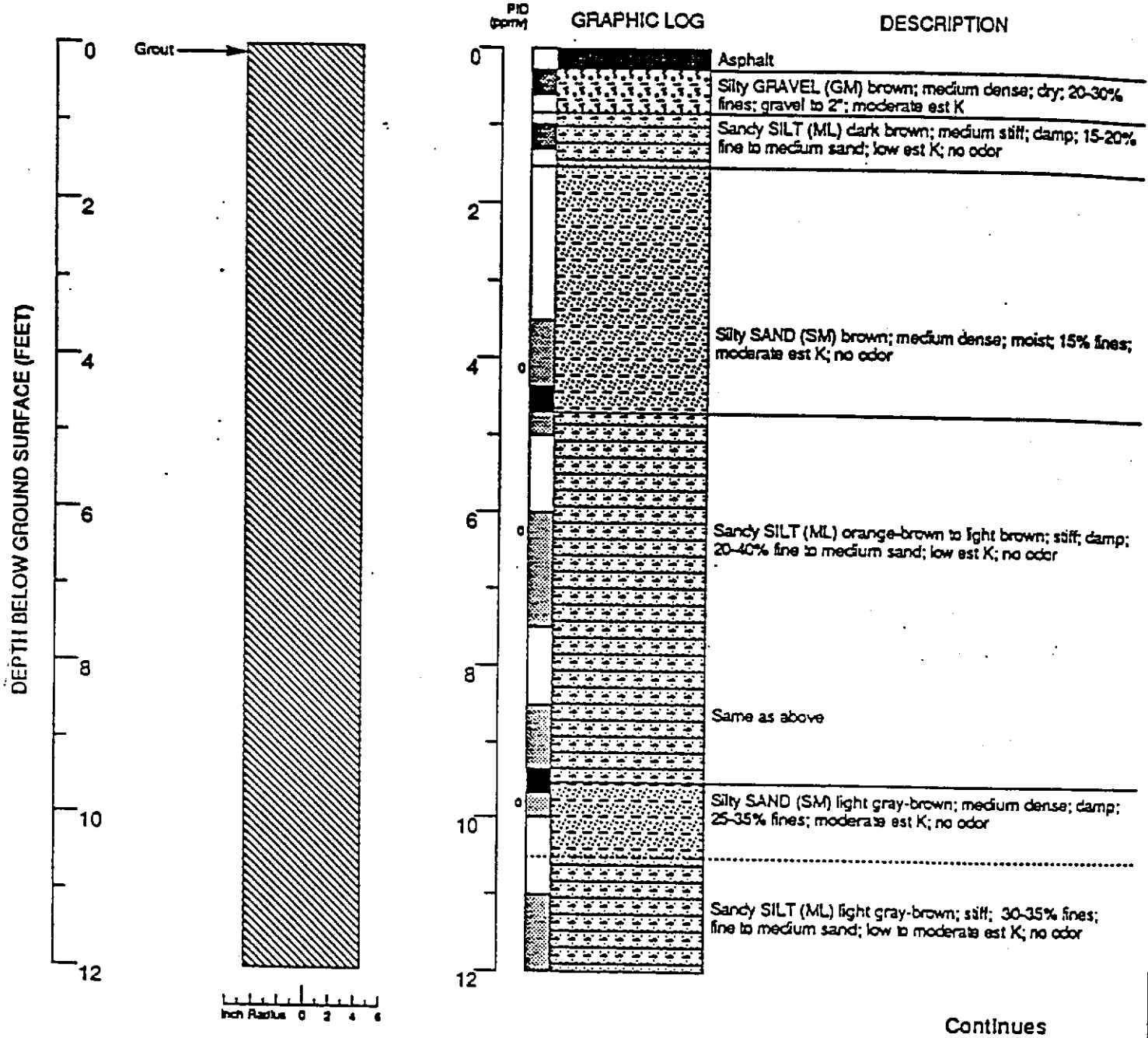
Boring Log B-5
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

BORING

5

WESTERN GEOLOGIC RESOURCES, INC.



Continues

Logged by: Dave Reichard
Supervisor: Tom Howard
Dates Drilled: 4/11/89

Drilling Company: Exploration Geoservices
Drilling Method: 9" Hollow stem auger
Driller: Dave Yeager

Well Head Completion: None
Type of Samplers: 2" & 1.4" split barrel
TD (Total Depth): 22.7 ft.

EXPLANATION

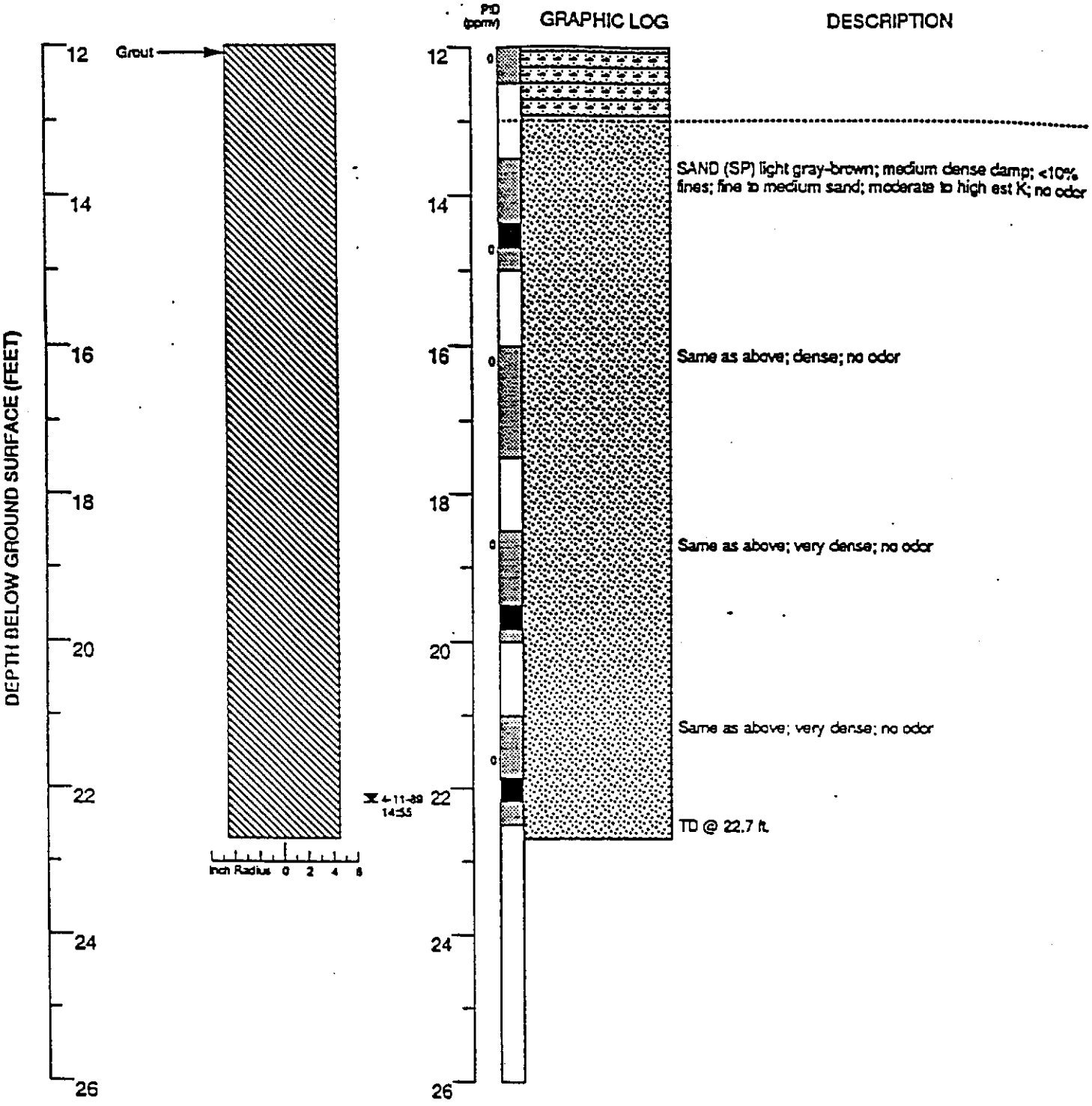
- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity)

Boring Log B-6
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

WESTERN GEOLOGIC RESOURCES, INC.

BORING 6



EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- NR No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K Estimated permeability (hydraulic conductivity)

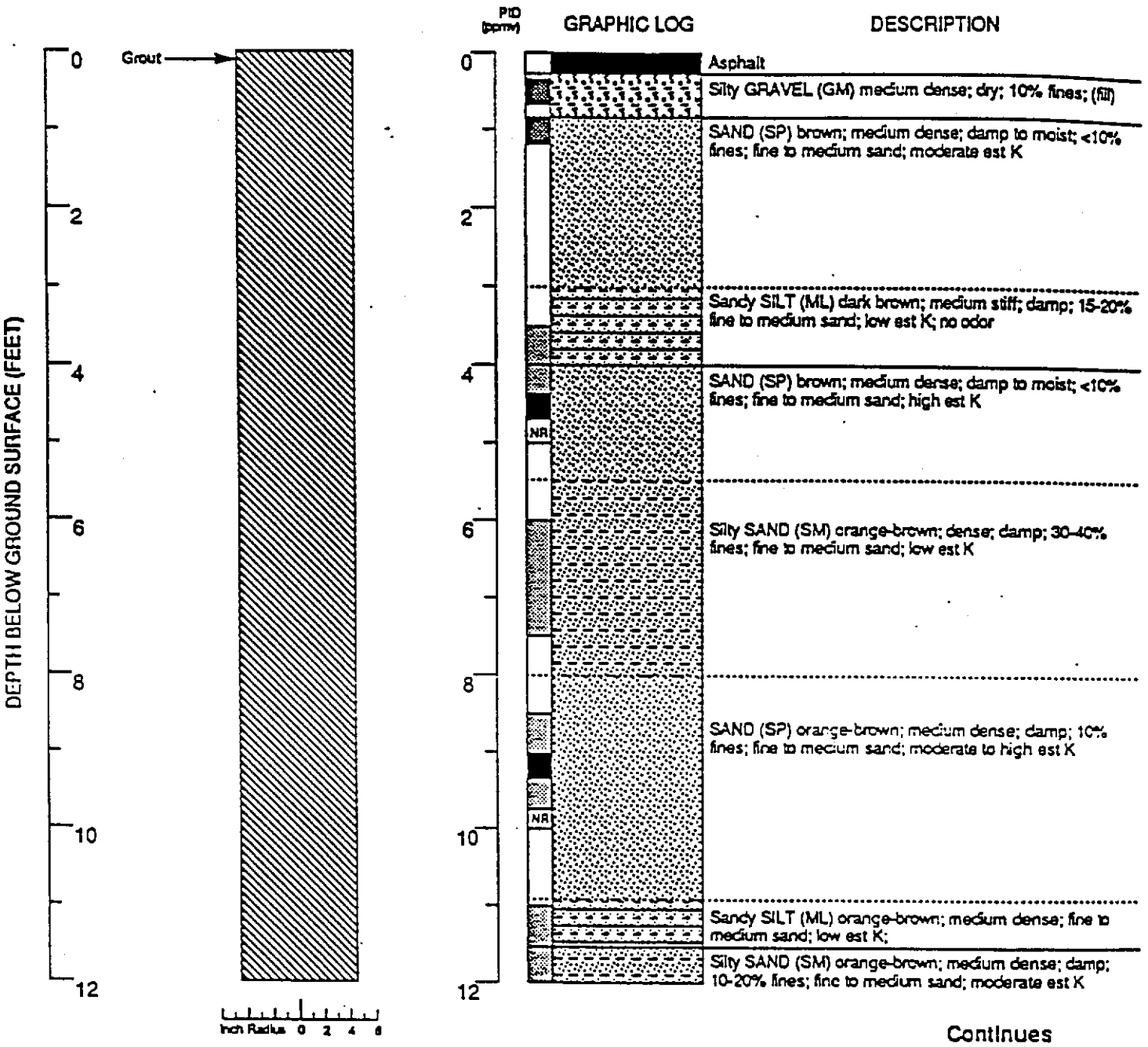
Boring Log B-6 (cont.)
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

BORING

6

WESTERN GEOLOGIC RESOURCES, INC.



Continues

Logged by:	Dave Reichard	Drilling Company:	Exploration Geoservices	Well Head Completion:	None
Supervisor:	Tom Howard	Drilling Method:	9" Hollow stem auger	Type of Sampler:	2" split barrel
Dates Drilled:	4/12/89	Driller:	Dave Yeager	TD (Total Depth):	22.7 ft.

EXPLANATION

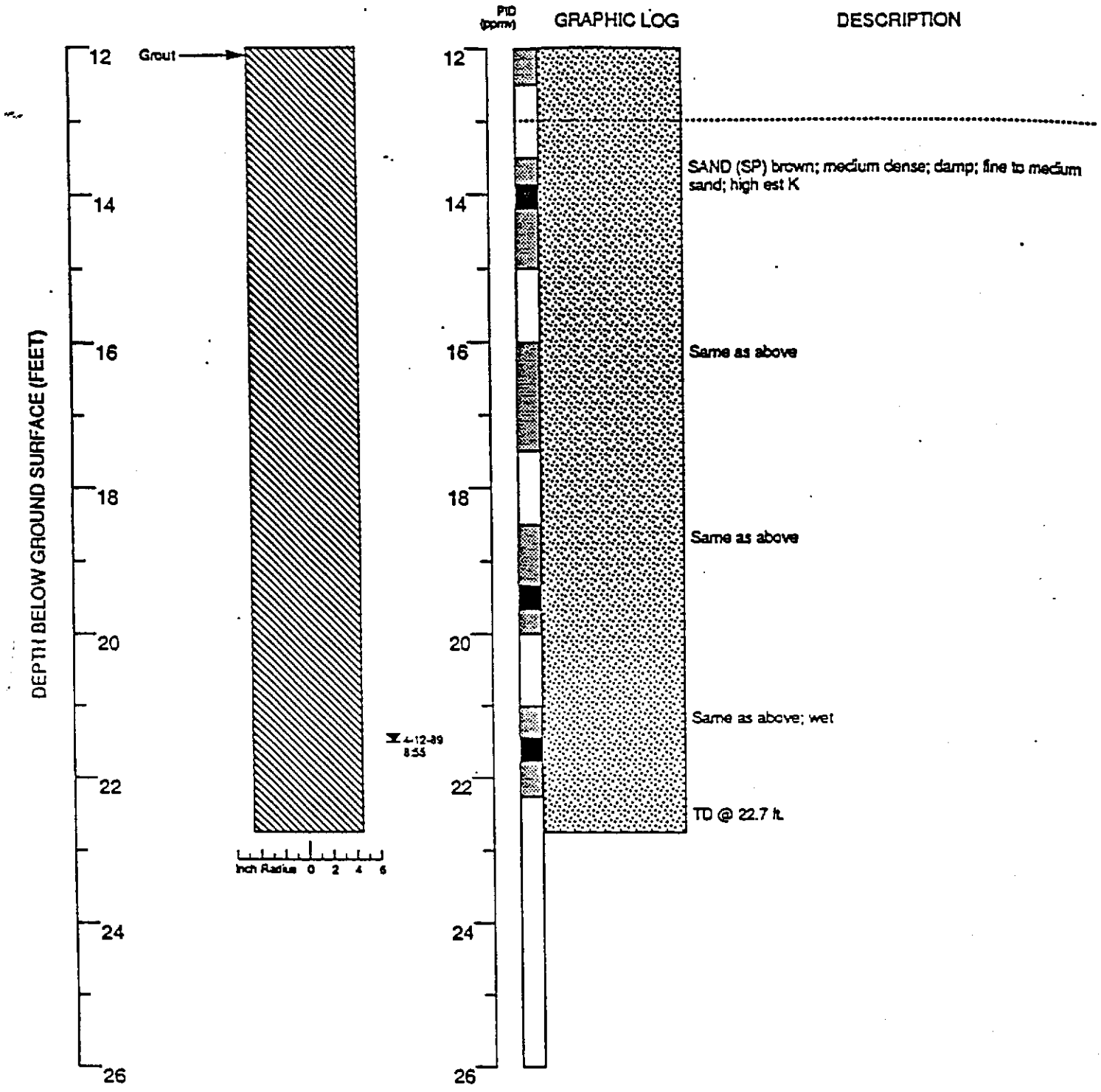
- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- NR No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K Estimated permeability (hydraulic conductivity)

Boring Log B-7
WGR Project No.: 1-012.02

Chevron Facility #90020
Oakland, CA

BORING 7

WESTERN GEOLOGIC RESOURCES, INC.



EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- NR: No recovery
- Grab sample
- Contacts
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K: Estimated permeability (hydraulic conductivity)

Boring Log B-7 (cont.)
WGR Project No.: 1-012.02

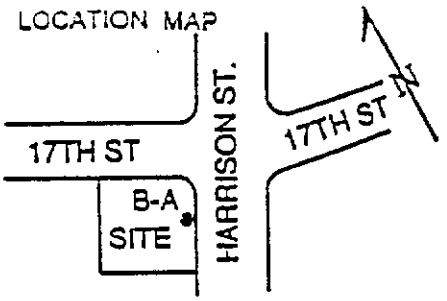
Chevron Facility #90020
Oakland, CA

BORING

7

WESTERN GEOLOGIC RESOURCES INC.

LOCATION MAP



NORTHING EASTING ELEVATION

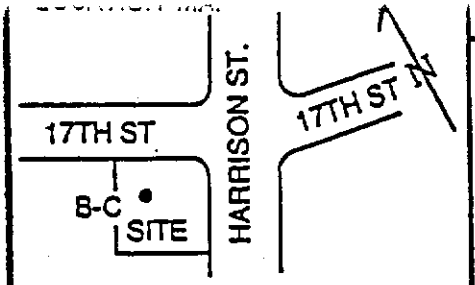
PACIFIC ENVIRONMENTAL GROUP, INC.

BORING NO. B-A
PAGE 1 OF 1

PROJECT NO. 320-90.01
LOGGED BY: SVG
DRILLER: WEST HAZMAT
DRILLING METHOD: HSA
SAMPLING METHOD: CAL MOD
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Chevron USA
DATE DRILLED: 10-5-91
LOCATION: 1633 Harrison St.
HOLE DIAMETER: 8"
HOLE DEPTH: 31.5'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY & SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
NEAT CEMENT				2			SM	ASPHALT SILTY SAND; reddish brown; 15-20% silty fines; minor clay; medium sand; very dense; no product odor.
	Dp	0	49	6				
				8			SC	CLAYEY SAND; reddish brown; 20-25% clayey fines; fine to medium sand; dense; no product odor.
	Dp	0	40	10				
				12				
				14			SW-SM	SAND to SILTY SAND; light gray; 5-10% silty fines; medium sand; very dense; moderate product odor.
	Dp	7.5	>50	16				
				18				
	Dp	18.2	>50	20				@20': moderate product odor.
				22				
				24				
	Wt	0	>50	26				@25': light brown; no product odor.
	Wt	0	40	28				
	Dp			30				
				32			GW	GRAVEL; reddish brown; 0-5% fines; 0-5% sand; fine gravel to 1/2"; well rounded; dense; no product odor.
				34			ML	SILT; light brown; low plasticity; 10-15% fine sand; very stiff; no product odor.
				36				BOTTOM OF BORING AT 31.5'
				38				
				40				
				42				
				44				

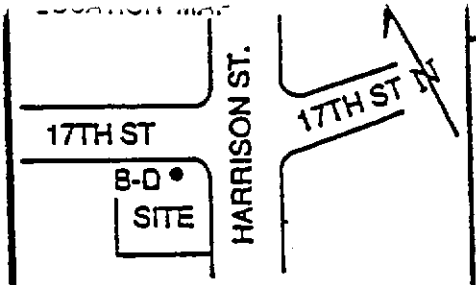


PACIFIC ENVIRONMENTAL GROUP, INC.

PROJECT NO. 320-90.01
LOGGED BY: SVG
DRILLER: WEST HAZMAT
DRILLING METHOD: HSA
SAMPLING METHOD: Continuous Core
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Chevron USA
DATE DRILLED: 10-5-91
LOCATION: 1633 Harrison St.
HOLE DIAMETER: 8"
HOLE DEPTH: 30'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
NEAT CEMENT	Dp			2			SM	ASPHALT SILTY SAND; reddish brown; 15-20% silty fines; medium sand; very dense; no product odor.
	Dp	0	push	6				
	Dp	0	push	10				
	Dp	0	push	14				
	Dp	0	push	18			SW-SM	SAND to SILTY SAND; light gray; 5-10% silty fines; medium sand; very dense; no product odor.
	Dp	0	push	20				
▽				22				@21': color change to light brown.
	Wt	0	push	26				
				28			ML	SILT; light gray; low plasticity; 2-5% fine gravel; very stiff; no product odor.
				30				BOTTOM OF BORING AT 30'
				32				
				34				
				36				
				38				
				40				
				42				
				44				



PACIFIC ENVIRONMENTAL GROUP, INC.

PROJECT NO. 320-90.01
LOGGED BY: SVG
DRILLER: WEST HAZMAT
DRILLING METHOD: HSA
SAMPLING METHOD: Continuous Core
CASING TYPE: NA
SLOT SIZE: NA
GRAVEL PACK: NA

CLIENT: Chevron USA
DATE DRILLED: 10-5-91
LOCATION: 1633 Harrison St.
HOLE DIAMETER: 8"
HOLE DEPTH: 30'
WELL DIAMETER: NA
WELL DEPTH: NA
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
NEAT CEMENT	Dp			2			SM	ASPHALT SILTY SAND; reddish brown; 20-25% silty fines; medium sand; very dense; no product odor.
	Dp	0	push	6				
	Dp	0	push	10				
	Dp	0	push	14			SW-SM	SAND to SILTY SAND; light gray; 5-10% silty fines; medium sand; very dense; faint product odor.
	Dp	6.9	push	20				
	Wt			22				
	Wt	428	push	24				
	Wt			28			GW	GRAVEL; black; 0-5% fines; 0-5% fine sand; fine gravel to 1/2" well rounded; very dense; no product odor.
	Dp	0		30			ML	SILT; light brown; low plasticity; silty fines; 10-15% fine sand; very stiff; no product odor.
				32				BOTTOM OF BORING AT 30'
				34				
				36				
				38				
				40				
				42				
				44				

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B17
JOB/SITE NAME	9-0020	**DRILLING STARTED**	28-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	28-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	21.00 fbg (28-Jun-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	20.50 fbg (28-Jun-04)
REMARKS	Hand augered to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
					SM		**Silty SAND**: Light brown; dry; loose; 60% fine sand, 40% silt; high estimated permeability.		
		B17@5		5					
								8.0	
0		B17@1 0		10	SW		**Silty SAND with clay**: Light brown; dry; moderately dense; 50% fine to medium-grained sand, 40% silt, 10% clay; high estimated permeability. Gravelly layers from 13 to 13.5 fbg.		
0		B17@1 5		15					Portland Type I/II
								16.0	
							Silty SAND: Light brown; dry; loose; 65% fine sand, 35% silt; high estimated permeability. Soil becomes wet at 21 fbg.		
				20					

WELL LOG (PID) I:\CHEVRON\3119--1311956--1311956-320041N--1\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

Continued Next Page

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B17
JOB/SITE NAME	9-0020	**DRILLING STARTED**	28-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	28-Jun-04

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		B17@2 0			SM				
0		B17@2 5		25					
								27.0	
					ML		**Clayey SILT**: Light brown; wet; moderately dense; 90% silt, 10% clay; high plasticity; moderate to low estimated permeability.	28.0	
					SM		**Silty SAND**: Light brown; wet; loose; 90% fine sand, 10% silt; high estimated permeability.		
				30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311956-\311956-302004IN-1GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B18
JOB/SITE NAME	9-0020	**DRILLING STARTED**	28-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	28-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	19.50 fbg (28-Jun-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	21.50 fbg (28-Jun-04)
REMARKS	Hand augered to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
					SM		**Silty SAND**: Light brown; dry; loose; 60% fine sand, 40% silt; high estimated permeability.		
		B18@5		5				5.0	
					ML		**Sandy SILT**: Light brown; dry; moderately dense; 60% silt, 40% fine sand; moderate plasticity; moderate estimated permeability.		
0		B18@1 0		10				10.5	
					SM		**Silty SAND**: Light brown; dry; loose; 70% fine sand, 30% silt; moderate to high estimated permeability. Gravelly layer from 13-13.5 fbg. Soil becomes wet at 19.5 fbg.		
0		B18@1 5		15					Portland Type I/II
				20					

WELL LOG (PID) I:\CHEVRON\3119--\311956--1\311956-320041N--1\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

Continued Next Page

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B18
JOB/SITE NAME	9-0020	**DRILLING STARTED**	28-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	28-Jun-04

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		B18@2 0							
								24.0	
					ML		**Sandy SILT**: Light brown; damp; soft; 80% silt, 20% fine sand; high plasticity; moderate to low estimated permeability.		
0		B18@2 5		25				25.0	
							Silty SAND: Light brown; wet; loose; 90% fine sand, 10% silt; high estimated permeability.		
					SM				
		B18@ 29.5		30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311956--\311956-320041N--1\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B19
JOB/SITE NAME	9-0020	**DRILLING STARTED**	28-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	28-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	20.50 fbg (28-Jun-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	21.20 fbg (28-Jun-04)
REMARKS	Hand augered to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
							Silty SAND: Light brown; dry; loose; 75% fine sand, 25% silt; high estimated permeability. Soil becomes wet at 20 fbg.		
		B19@5		5					
0		B19@1 0		10					
0		B19@ phys. param 1			SM				
0		B19@1 5		15					Portland Type I/II
				20					

Continued Next Page

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B19
JOB/SITE NAME	9-0020	**DRILLING STARTED**	28-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	28-Jun-04

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		B19@2 0					▽ Static water level ▼ Static water level		
0		B19@2 5		25					
0		B19@ phys. param 2			ML		**Sandy SILT**: Light brown; damp; moderately dense; 85% silt, 10% fine sand, 5% clay; moderate to high plasticity; moderate to low estimated permeability.	26.5	
					SM		**Silty SAND**: Light brown; wet; loose; 70% fine sand, 30% silt; high estimated permeability.	28.5	
				30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311956--\311956-32004IN-1\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B20
JOB/SITE NAME	9-0020	**DRILLING STARTED**	28-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	28-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	20.00 fbg (28-Jun-04) ▽
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	21.50 fbg (28-Jun-04) ▼
REMARKS	Hand augered to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
							Silty SAND: Light brown; dry; loose; 85% fine sand, 15% silt; high estimated permeability.		
0		B20@5		5	SM				
								9.0	
							Sandy SILT: Light brown; dry; moderately dense; 80% silt, 20% fine sand; moderate to low plasticity; moderate to low estimated permeability.		
0		B20@1 0		10	ML			10.5	
							Silty SAND: Light brown; dry; dense; 60% fine sand, 40% silt; moderate to low estimated permeability.		
					SM				
0		B20@1 5		15					Portland Type I/II
								16.0	
							Silty SAND: Light brown; dry; loose; 90% fine sand, 10% silt; high estimated permeability. Soil becomes wet around 20 fbg. ▽		
				20					

WELL LOG (PID) I:\CHEVRON\3119--1311956--1311956-320041N-1GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

Continued Next Page

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B20
JOB/SITE NAME	9-0020	**DRILLING STARTED**	28-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	28-Jun-04

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		B20@2 0			SM				
				25					
0		B20@2 7							
				30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311956--\311956-320041N-1\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B21
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Cleared with water knife to 8 fbg. Refusal at 18 fbg. Groundwater not encountered.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
							Silty SAND: Light brown; dry; loose; 90% fine sand, 10% silt; high estimated permeability. Soil becomes moderately dense at 12 fbg, dark greenish in color at 16 fbg, and damp at 18 fbg.		
		B21@5		5					
					SM				Portland Type I/II
0		B21@1 0		10					
0		B21@1 5		15					
		B21@ 17.5						18.0	Bottom of Boring @ 18 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311956--\311956-32004IN--1\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B22
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	20.00 fbg (29-Jun-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	21.50 fbg (29-Jun-04)
REMARKS	Cleared with water knife to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
		B22@5		5	SM		**Silty SAND**: Light brown; dry; loose; 90% fine sand, 10% silt; high estimated permeability. Slight hydrocarbon odor at approximately 2-3 fbg.		
		B22@1 0		10				11.0	
					SM		**Silty SAND**: Light brown; dry; moderately dense; 60% fine sand, 40% silt; high estimated permeability.	12.0	
0		B22@1 5		15			**Silty SAND**: Light brown; dry; dense; 90% fine sand, 10% silt; high estimated permeability. Soil becomes wet at 20 fbg.		Portland Type I/II
				20					

WELL LOG (PID) I:\CHEVRON\3119--1311956--1311956--320041N--1GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

Continued Next Page

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B22
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jun-04

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		B22@2 0			SM				
				25					
0		B22@2 7							
								28.0	
					ML		**Gravelly Sandy SILT**: Light brown; wet; dense; 65% silt, 20% gravel, 15% fine sand; moderate plasticity; moderate estimated permeability.		
				30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311956--\311956-320041N--1\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B23
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Cleared with water knife to 8 fbg. Refusal at 16 fbg. Groundwater not encountered.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
							Silty SAND: Light brown; dry; moderately dense; 70% fine sand, 30% silt; high estimated permeability.		
		B23@5		5	SM				
17		B23@1 0		10				10.5	Portland Type I/II
					SM		**Sandy SILT**: Light brown with black mottling; dry; dense; 60% silt, 40% fine sand; low to moderate plasticity; moderate to low estimated permeability.	12.0	
							Refusal at 16 fbg. No lithologic description or samples collected because sample liner was stuck inside rod.		
				15				16.0	Bottom of Boring @ 16 fbg

WELL LOG (PID) I:\CHEVRON\3119--1311956--1311956--320041N--1GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B23A
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jul-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jul-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Woodward Drilling Company Inc.	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	20.00 fbg (29-Jul-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	19.50 fbg (29-Jul-04)
REMARKS	Cleared with water knife to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
					SM		**Silty SAND**: Light brown; dry; moderately loose; 85% fine sand, 15% silt; high estimated permeability.		
		B23A@ 5		5			**Silty SAND**: Light brown with gray and black mottling; dry; dense; 85% fine sand, 15% silt; moderate to high estimated permeability.	5.0	
					SM				
		B23A@ 10		10				11.0	
		B23A@ 13					**SAND**: Grayish green; dry; loose; 100% fine sand; high estimated permeability. From 18-19 fbg sand is light brown with gray mottling. Soil becomes wet at approximately 20 fbg. Strong hydrocarbon odor from 10 to 25 fbg. Sand becomes light brown in color from 25 to 26.5 fbg.		
		B23A@ 15		15					Portland Type I/II
		B23A@ 19			SP				
				20					

WELL LOG (PID) I:\CHEVRON\3119--\311956--\311956-32004IN-1GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

Continued Next Page

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B23A
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jul-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jul-04

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
		B23A@ 23.5		25					
		B23A@ 25							
					ML		**Sandy SILT**: Light gray; damp; moderately dense; 60% silt, 40% fine sand; moderate plasticity; low estimated permeability. Slight hydrocarbon odor from 25 to 30 fbg.	26.5	
		B23A@ 29.5		30				30.0	Bottom of Boring @ 30 fbg

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B24
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	20.00 fbg (29-Jun-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	21.50 fbg (29-Jun-04)
REMARKS	Cleared with water knife to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
							Silty SAND: Light brown; dry; loose; 70% fine sand, 30% silt; high estimated permeability.		
		B24@5		5	SM				
0		B24@1 0		10	ML		**Sandy SILT**: Light brown; dry; dense; 60% silt, 40% fine sand; moderate plasticity; moderate to low estimated permeability.	10.0 11.0	
					SM		**Silty SAND**: Light brown; dry; loose; 80% fine sand, 20% silt; high estimated permeability.		
0		B24@1 5		15					Portland Type I/II
							Silty SAND: Light brown; dry; loose; 90% fine sand, 10% silt; high estimated permeability. Soil becomes wet at 20 fbg. Gray color from 20 to 22 fbg.	16.0	
				20					

Continued Next Page

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B24
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jun-04

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
400		B24@2 0							
		B24@2 2			SM				
500		B24@2 5		25					
								29.0	
200		B24@ 29.5		30	ML		**Gravelly Sandy SILT**: Light brown; wet; moderately dense; 55% silt, 25% gravel, 20% fine sand; moderate plasticity; moderate estimated permeability.	30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311956--\311956-320041N--1\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B25
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jul-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jul-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Woodward Drilling Company Inc.	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	21.00 fbg (29-Jul-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	20.00 fbg (29-Jul-04)
REMARKS	Cleared with water knife to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
		B25@5		5	SM		**Silty SAND**: Light brown; dry; loose; 70% fine sand, 30% silt; high estimated permeability.		
2		B25@1 0		10				12.0	
							SAND: Light brown; dry; moderately loose; 100% fine sand; high estimated permeability. Hydrocarbon odor from approximately 15 to 23 fbg. Soil becomes gray at 16 fbg. Soil becomes wet at 21 fbg and light brown in color at 23 fbg.		
1		B25@1 5		15					Portland Type I/II
				20	SW				

WELL LOG (PID) I:\CHEVRON\3119--1311956--1311956--32004IN--1GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

Continued Next Page

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B25
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jul-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jul-04

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
5,000		B25@2 0							
		B25@p hys. param. 1							
0		B25@2 5		25					
							Sandy SILT: Light gray; damp; dense; 85% silt, 15% very fine to fine sand; high plasticity; low estimated permeability.	27.0	
					ML				
0		B25@ phys. param. 2							
		B25@ 29.5		30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311956-\311956-320041N-1\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 2/10/09

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB1
JOB/SITE NAME	9-0020	**DRILLING STARTED**	27-Apr-07
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	27-Apr-07
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	I.Hull	**DEPTH TO WATER (First Encountered)**	19.0 fbg (27-Apr-07) ▽
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Cleared to 8 fbg with air knife.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							SAND with silt: Red-brown; loose; 90% poorly graded fine sand, 10% silt; damp; non-plastic; moderate estimated permeability.		
0		SB1-S -5		5	SM				
							At 8 fbg color change to brown		
		SB1-S -10		10					
								11.0	
					CL		**Sandy CLAY:** Brown; soft; 70% clay, 30% very fine sand; damp; moderate plasticity; low estimated permeability.		
								13.0	
							SAND with silt: Moderate staining; loose; 90% poorly graded fine sand, 10% silt; damp; non-plastic; moderate estimated permeability.		Portland Type I/II
12		SB1-S -15		15					
							At 19 fbg becomes wet ▽		
12		SB1-S -19.5		20	SM				
28		SB1-S -23.5		25					
								27.0	
0		SB1-S -27.5			ML		**Sandy SILT:** Grey-brown; stiff; 70% silt, 30% very fine sand; moderate plasticity; low estimated permeability.	28.0	Bottom of Boring @ 28 fbg

WELL LOG (PID) I:\CHEVRON\9-0020~1\2007\IN~1\9-0020 SOIL BORINGS.05.2007.GPJ DEFAULT.GDT 5/8/07

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB2
JOB/SITE NAME	9-0020	**DRILLING STARTED**	27-Apr-07
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	27-Apr-07
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	I. Hull	**DEPTH TO WATER (First Encountered)**	19.0 fbg (27-Apr-07) ▽
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							SAND with silt: Red-brown; loose; 90% poorly graded fine sand, 10% silt; damp; non-plastic; moderate estimated permeability.		
		SB2-S -5		5					
							At 8 fbg color change to brown		
							At 9 fbg decrease in sand to 85%, addition of gravel to 5%		
1		SB2-S -10		10					
							At 11 fbg decrease in sand to 60%, increase in silt to 40%; stiff		
							At 12.5 fbg 6" layer with gravel; increase in sand to 85%, decrease in silt to 10%, increase in gravel to 5%		
					SM				◄ Portland Type I/II
9		SB2-S -15		15			At 15 fbg increase in sand to 90%, 10% silt		
							▽ At 19 fbg becomes wet		
312		SB2-S -19.5		20					
2		SB2-S -23.5		25					
1		SB2-S -27.5						28.0	Bottom of Boring @ 28 fbg

WELL LOG (PID) I:\CHEVRON\9-0020~1\2007\N~1\9-0020 SOIL BORINGS.05.2007.GPJ DEFAULT.GDT 5/8/07

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB3
JOB/SITE NAME	9-0020	**DRILLING STARTED**	27-Apr-07
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	27-Apr-07
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	I. Hull	**DEPTH TO WATER (First Encountered)**	17.0 fbg (27-Apr-07) ▽
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
		SB3-S -5		5			**SAND with silt:** Red-brown; stiff; 90% poorly graded fine sand, 10% silt; damp; non-plastic; moderate estimated permeability.		
							At 8 fbg color change to brown		
0		SB3-S -10		10			At 11 fbg decrease in sand to 80%, increase in silt to 20%; non-plastic; moderate estimated permeability.		
					SM				Portland Type I/II
0		SB3-S -15		15			At 16 fbg color changes to brown ▽		
							At 17 fbg becomes wet		
		SB3-S -19.5		20					
		SB3-S -23.5		25					
		SB3-S -27.5					At 27.5 fbg color change to dark brown	28.0	Bottom of Boring @ 28 fbg

WELL LOG (PID) I:\CHEVRON\9-0020~1\2007\IN~1\9-0020 SOIL BORINGS.05.2007.GPJ DEFAULT.GDT 5/8/07

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB4
JOB/SITE NAME	9-0020	**DRILLING STARTED**	27-Apr-07
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	27-Apr-07
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	I. Hull	**DEPTH TO WATER (First Encountered)**	17.0 fbg (27-Apr-07) ▽
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0			**Silty SAND:** Red-brown; loose; 80% poorly graded fine sand, 20% silt; damp; non-plastic; moderate estimated permeability.		
		SB4-S -5		5					
0		SB4-S -10		10	SM		At 13 fbg increase in sand to 90%, decrease in silt to 10%; non-plastic; moderate to high estimated permeability.		Portland Type I/II
1		SB4-S -15		15			▽		
0		SB4-S -19.5		20			At 19 fbg color changes to brown, becomes wet		
0		SB4-S -23.5		25			At 24.5 fbg color changes to dark brown		
0		SB4-S -27.5						28.0	Bottom of Boring @ 28 fbg

WELL LOG (PID) I:\CHEVRON\9-0020~1\2007\N~\9-0020 SOIL BORINGS.05.2007.GPJ DEFAULT.GDT 5/8/07

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB7
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	14-Oct-09
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	14-Oct-09
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services (C57 #916085)	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct-Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Belew Yifru	**DEPTH TO WATER (First Encountered)**	25.00 fbg (14-Oct-09)
REVIEWED BY	Brandon S. Wilken, P.G. #7564	**DEPTH TO WATER (Static)**	23.00 fbg
REMARKS	Utility cleared with hand augers to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	Concrete
							SAND with silt (FILL): Yellowish orange; poorly graded medium sand; moist; non-plastic.		
								2.5	
					ML		**SILT with sand:** Light brown; soft; moist; low estimated plasticity.		
2		SB7-S -5		5					
								6.0	
							SILT: Light brown; firm; moist; moderate estimated plasticity		
					ML				
2		SB7-S -10		10			**SAND with silt:** Light brown; soft; moist; fine grained sand; non-plastic.	10.0	
							@ 13 fbg consistency changes to hard.		
									Portland Type I/II Cement
0		SB7-S -15		15					
							@ 17 fbg consistency changes to soft.		
					SP SM				
				20					

WELL LOG (PID) I:\CHEVRON\3119-\311956-1\315373-1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Continued Next Page

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB7
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	14-Oct-09
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	14-Oct-09

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
5		SB7-S -20.5							
1		SB7-S -23.5		25			@ 25 fbg moisture condition changes to wet		
1		SB7-S -26.5			ML		**SILT with sand:** Dark brown; firm; wet; low estimated plasticity.	27.0 28.0	Bottom of Boring @ 28 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311956-1\315373-1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB8
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	14-Oct-09
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	14-Oct-09
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services (C57 #916085)	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct-Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Belew Yifru	**DEPTH TO WATER (First Encountered)**	25.00 fbg (14-Oct-09)
REVIEWED BY	Brandon S. Wilken, P.G. #7564	**DEPTH TO WATER (Static)**	24.00 fbg
REMARKS	Utility cleared with hand augers to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	Concrete
							SAND (FILL): Light brown; soft; moist; medium sand; non-plastic.	2.5	
					SM		**Silty SAND:** Brown; soft; moist; poorly graded fine sand; non-plastic.	6.0	
2		SB8-S -5		5					
					ML		**Sandy SILT:** Dark brown; firm; moist; low estimated plasticity.	8.0	
							Clayey SAND: Dark brown; firm; moist; poorly graded fine sand; moderate-plasticity.	12.0	
3		SB8-S -10		10	SC				
							SAND with silt: Brown; firm; moist; poorly graded fine sand; non-plastic.		Portland Type I/II Cement
3		SB8-S -15		15					
2		SB8-S -19.5		20	SP SM				

Continued Next Page

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB8
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	14-Oct-09
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	14-Oct-09

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
2		SB8-S -24.5		25			@ 25 fbg moisture conditions change to wet		
							SILT with sand: Brown; firm; wet; low estimated plasticity.	27.0	
					ML				
2		SB8-S -28.5						29.0	Bottom of Boring @ 29 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311956-1\315373-1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB9
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	10-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	10-Oct-10
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services (C57 #916085)	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct-Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Ian Hull	**DEPTH TO WATER (First Encountered)**	20.01 fbg (10-Oct-10)
REVIEWED BY	Nathan S. Lee, PG# 8486	**DEPTH TO WATER (Static)**	21.26 fbg (10-Oct-10)
REMARKS	Utility cleared with hand augers to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE	1.0	Concrete
							Silty Sandy GRAVEL: (FILL) Light brown/grey; loose; moist; well graded gravel, well graded sand.	2.0	
							Silty SAND: Light brown; dense; moist; fine sand.		
0		SB9-S -5		5					
					SM		@ 8 fbg soil becomes dark brown.		
0		SB9-S -10		10			@ 10 fbg soil becomes very dense.		Portland Type I/II
								14.0	
							SAND with silt: Dark brown; dense; moist; poorly-graded very fine sand.		
0		SB9-S -15		15					
					SP		@ 17 fbg soil becomes red-brown.		
							@ 19 fbg soil becomes brown.		
1		SB9-S -19.5		20				20.0	

Continued Next Page

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB9
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	10-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	10-Oct-10

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							@ 20 fbg soil becomes wet. ▽		
10		SB9-S -21					@ 21 fbg soil becomes grey. ▼		
					SP				
							@ 23 fbg soil becomes brown and moist.		
0		SB9-S -23.5							
				25				25.0	Portland Type I/II
							SILT with sand: Light brown; very stiff; moist; very fine sand; medium estimated plasticity.		
					ML				
0		SB9-S -28							
0		SB9-S -29.5							
				30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311956~1\315373~1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB10
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	10-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	10-Oct-10
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services (C57 #916085)	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct-Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Ian Hull	**DEPTH TO WATER (First Encountered)**	21.00 fbg (10-Oct-10)
REVIEWED BY	Nathan S. Lee, PG# 8486	**DEPTH TO WATER (Static)**	21.15 fbg (10-Oct-10)
REMARKS	Utility cleared with hand augers to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
					CONCRETE	1.0
					Silty Sandy GRAVEL: (FILL) Light brown/grey; loose; moist; well graded gravel, well graded sand.	1.5
					Silty SAND: Light brown; dense; moist; very fine sand.	
0		SB10- S-5	5	SM		
0		SB10- S-10	10			13.0
					SAND with silt: Light brown; loose; moist; poorly-graded fine sand.	
0		SB10- S-15	15	SP	@ 16 fbg soil becomes dense.	
			20		@ 19 fbg soil becomes loose.	20.0

WELL DIAGRAM: Concrete; Portland Type I/II

WELL LOG (PID) I:\CHEVRON\3119-\311956-\315373-1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Continued Next Page

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB10
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	10-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	10-Oct-10

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		SB10- S-20					@ 21 fbg soil becomes brown/grey and wet.		
					SP				
17		SB10- S-24		25				25.0	Portland Type I/II
							SILT with sand: Brown and grey; soft; moist; very fine sand; medium estimated plasticity.		
							@ 27 fbg soil becomes mottled.		
					ML				
0		SB10- S-28							
							@29 fbg increase in sand, soil becomes brown and firm.		
0		SB10- S-29.5		30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311956~1\315373~1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB11
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	10-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	10-Oct-10
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services (C57 #916085)	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct-Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Ian Hull	**DEPTH TO WATER (First Encountered)**	20.00 fbg (10-Oct-10) ▽
REVIEWED BY	Nathan S. Lee, PG# 8486	**DEPTH TO WATER (Static)**	20.52 fbg (10-Oct-10) ▼
REMARKS	Utility cleared with hand augers to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE	1.0	Concrete
							Silty Sandy GRAVEL: (FILL) Light brown/grey; loose; moist; well graded gravel, well graded sand.	1.5	
							Silty SAND: Red-brown; dense; moist; fine sand.		
0		SB11- S-5		5	SM		@ 5 fbg increase silt, soil becomes light brown.		
							@ 6 fbg decrease silt.		
0		SB11- S-10		10					Portland Type I/II
								14.0	
							SAND with silt: Brown, loose; moist; poorly-graded fine sand.		
0		SB11- S-15		15	SP				
0		SB11- S-18					@ 18 fbg soil becomes dense.		
				20			▽	20.0	

Continued Next Page

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB11
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	10-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	10-Oct-10

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							@ 20 fbg soil becomes wet. ▼		
							@ 21 fbg soil becomes grey.		
6		SB11- S-22			SP				
0		SB11- S-25		25					Portland Type I/II
								26.0	
					ML		**Sandy SILT:** Light brown; stiff; moist; medium estimated plasticity.		
							@ 28.5 fbg soil becomes very stiff with trace very fine sand and medium estimated plasticity.		
0		SB11- S-29.5		30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311956-\315373-\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-1R
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	06-Mar-08
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	06-Mar-08
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.25"	**SCREENED INTERVALS**	NA
LOGGED BY	Jeremy Gekov	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	R. Foss, PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Was not hand cleared to 8 feet because boring is located in recent excavation known to be clear of utilities		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				5			**Backfill:** Class II A/B excavation backfill material	11.0	Portland Type I/II Bentonite Seal Monterey Sand #2/16 Bentonite Seal Monterey Sand #2/16 Bottom of Boring @ 11 fbg
				10					

WELL LOG (PID) I:\CHEVRON\3119-\311956-1\315373-1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-2
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	13-Jun-07
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	13-Jun-07
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.75"	**SCREENED INTERVALS**	NA
LOGGED BY	Jeremy Gekov	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	R. Foss, PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		VP-2- S-3					**SAND:** Brown; loose; 95% medium sand, 5% silt; moist; non plastic; high estimated permeability.		Portland Type I/II
0		VP-2- S-5		5	SM		@ 5 fbg grades to: Sand with silt; Brown; loose; 85% medium sand, 10% silt, 5% clay; moist; non plastic; high estimated permeability.		Bentonite Seal Monterey Sand #2/16
0		VP-2- S-9.5		10				10.5	Bentonite Seal Monterey Sand #2/16 Bottom of Boring @ 10.5 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311956-1\315373-1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-3
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	13-Jun-07
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	13-Jun-07
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.75"	**SCREENED INTERVALS**	NA
LOGGED BY	Jeremy Gekov	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	R. Foss, PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		VP-3- S-3			SC		**Clayey SAND:** Brown; loose; 80% medium sand, 20% clay; moist; low plasticity; high estimated permeability.		Portland Type I/II
0		VP-3- S-5		5					Bentonite Seal
									Monterey Sand #2/16
								7.0	
					SM		**SAND with silt:** Brown; loose; 85% medium sand, 15% silt; moist; non plastic; high estimated permeability.		Bentonite Seal
0		VP-3- S-9.5		10					Monterey Sand #2/16
								10.5	Bottom of Boring @ 10.5 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311956-1\315373-1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-4R
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	06-Mar-08
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	06-Mar-08
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.75"	**SCREENED INTERVALS**	NA
LOGGED BY	Jeremy Gekov	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	R. Foss, PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				5	SC		**Clayey SAND:** Brown; loose; 80% medium sand, 20% clay; moist; low plasticity; high estimated permeability.		Portland Type I/II
							@ 5 fbg: grades to 60% medium sand, 40% clay.		Bentonite Seal
				10	SM		**SAND with silt:** Brown; loose; 85% medium sand, 15% silt; moist; non plastic; high estimated permeability.	7.0	Monterey Sand #2/16
									Bentonite Seal
								11.0	Monterey Sand #2/16
									Bottom of Boring @ 11 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311956-1\315373-1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-5R
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	06-Mar-08
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	06-Mar-08
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.75"	**SCREENED INTERVALS**	NA
LOGGED BY	Jeremy Gekov	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	R. Foss, PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				5	SM		**SAND with silt:** Brown; loose; 85% medium sand, 15% silt; moist; non plastic; high estimated permeability.	11.0	Portland Type I/II Bentonite Seal Monterey Sand #2/16 Bentonite Seal Monterey Sand #2/16 Bottom of Boring @ 11 fbg
				10					

WELL LOG (PID) I:\CHEVRON\3119-\311956-1\315373-1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-6
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	13-Jun-07
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	13-Jun-07
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.75"	**SCREENED INTERVALS**	NA
LOGGED BY	Jeremy Gekov	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	R. Foss, PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		VP-6- S-3					**SAND with silt:** Brown; loose; 85% medium sand, 15% silt; moist; non plastic; high estimated permeability.		Portland Type I/II
0		VP-6- S-5		5	SM				Bentonite Seal
0		VP-6- S-9.5		10				10.5	Monterey Sand #2/16
									Bentonite Seal
									Monterey Sand #2/16
									Bottom of Boring @ 10.5 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311956-1\315373-1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-7
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	14-Oct-09
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	14-Oct-09
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services (C57 #916085)	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.75"	**SCREENED INTERVALS**	NA
LOGGED BY	Belew Yifru	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Brandon S. Wilken, P.G. #7564	**DEPTH TO WATER (Static)**	NA
REMARKS	Utility cleared with hand augers to total depth		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	Bentonite/ Portland mixture
							SAND/CEMENT SLURRY (FILL)	1.5	
					ML		**SILT:** Brown; soft; moist; trace fine grained sand; low estimated plasticity.		Bentonite Seal
2		VP-7- S-5		5					Monterey Sand #2/12
							SILT: Brown; firm; moist; moderate estimated plasticity.	6.5	Bentonite/ Portland mixture
					ML				
							Silty SAND: Brown; soft; moist; non-plastic.	8.0	Bentonite Seal
					SM				
2		VP-7- S-10		10				10.5	Monterey Sand #2/12
									Bottom of Boring @ 10.5 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311956-1\315373-1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

APPENDIX C

GROUNDWATER MONITORING AND SAMPLING DATA

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	06/22/1990	28.67	20.80	7.87	5,700	47	31	280	530	-	<1,000
MW-9	08/09/1990	28.67	20.74	7.93	8,000	<0.3	17	210	480	-	-
MW-9	11/13/1990	28.67	20.78	7.89	6,400	<3.0	20	240	450	-	-
MW-9	05/15/1991	28.67	20.48	8.19	5,700	2.0	16	190	390	-	-
MW-9	08/27/1991	28.67	20.55	8.12	6,700	<3.0	31	180	350	-	-
MW-9	11/15/1991	28.67	20.57	8.10	4,000	8.8	26	150	280	-	-
MW-9	02/20/1992	28.67	21.77	6.90	3,400	13	30	230	460	-	-
MW-9	06/15/1992	28.67	20.37	8.30	4,500	19	72	280	560	-	-
MW-9	12/16/1992	28.68	20.29	8.39	9,900	380	220	380	1,300	-	-
MW-9	04/07/1993	28.68	19.32	9.36	8,700	51	150	360	1,000	-	-
MW-9	06/09/1993	28.68	19.16	9.52	8,900	170	160	350	1,100	-	-
MW-9	09/10/1993	28.68	-	-	4,600	110	63	190	350	-	-
MW-9	09/27/1993	28.68	19.94	8.74	-	-	-	-	-	-	-
MW-9	12/17/1993	28.68	20.31	8.37	4,600	92	85	180	300	-	-
MW-9	03/10/1994	28.68	20.30	8.38	3,300	8.0	29	120	170	-	-
MW-9	06/16/1994	28.68	20.26	8.42	2,900	4.8	16	85	64	-	-
MW-9	09/07/1994	28.68	20.41	8.27	2,900	<0.5	9.9	70	75	-	-
MW-9	11/30/1994	28.68	19.98	8.70	2,100	<5.0	<5.0	53	51	-	-
MW-9	03/22/1995	28.68	19.41	9.27	2,200	<5.0	5.3	26	69	-	-
MW-9	06/27/1995	28.68	19.40	9.28	2,900	7.4	10	68	99	-	-
MW-9	09/28/1995	28.68	19.55	9.13	4,000	32	<10	36	44	-	-
MW-9	12/30/1995	28.68	19.80	8.88	3,800	<5.0	13	<5.0	120	120	-
MW-9	02/28/1996	28.68	19.75	8.93	2,000	9.9	<5.0	46	30	<25	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	06/27/1996	28.68	19.55	9.13	2,400	36	7.1	65	72	<50	-
MW-9	09/13/1996	28.68	19.82	8.86	2,500	26	8.4	53	39	36	-
MW-9	12/16/1996	28.68	20.77	7.91	1,200	3.5	2.4	12	14	<10	-
MW-9	03/20/1997	28.68	19.40	9.28	2,400	25	5.8	26	22	<25	-
MW-9	09/08/1997	28.68	20.09	8.59	1,800	9.5	8.1	22	21	12	-
MW-9	02/16/1998	28.68	19.23	9.45	950	5.6	3.1	13	13	18	-
MW-9	08/25/1998	28.68	19.50	9.18	2,100	2.5	6.4	35	51	8.9	-
MW-9	03/09/1999	28.68	19.81	8.87	1,400	12	7.8	8.8	16	8.8	-
MW-9	07/19/1999[2]	28.68	-	-	-	-	-	-	-	-	-
MW-9	09/29/1999	28.68	20.41	8.27	217	1.36	1.14	1.56	1.49	<2.0[1]/<5.0	-
MW-9	03/27/2000[10]	28.68	-	-	-	-	-	-	-	-	-
MW-9	09/18/2000[3]	28.68	20.05	8.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-
MW-9	03/27/2001[3]	28.68	19.84	8.84	718	<0.500	<0.500	3.31	12.3	<0.500	-
MW-9	09/05/2001[3]	28.68	20.29	8.39	1,500	<0.50	2.9	11	25	<2.5	-
MW-9	03/15/2002[3]	28.68	20.61	8.07	740	0.56	<0.50	4.0	5.3	<2.5	-
MW-9	09/14/2002[3]	28.68	20.06	8.62	580	<1.0	<1.0	1.8	3.4	3.4	-
MW-9	03/26/2003[3]	28.68	19.97	8.71	440	1.7	0.69	<5.0	<1.5	<2.5	-
MW-9	09/02/2003[6,7]	28.68	20.86	7.82	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-9	03/29/2004[6]	28.68	19.14	9.54	660	<0.5	<0.5	12	11	0.8	-
MW-9	09/03/2004[6]	28.68	19.77	8.91	350	<0.5	<0.5	2	0.9	<0.5	-
MW-9	03/02/2005[6]	28.68	19.11	9.57	800	<0.5	<0.5	3	1.6	<0.5	-
MW-9	09/22/2005[6]	28.68	19.01	9.67	690	<0.5	<0.5	0.6	<1.0	<0.5	-
MW-9	03/30/2006[6]	28.68	18.66	10.02	540	<0.5	0.9	4	4	<0.5	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	08/28/2006[6]	28.68	19.25	9.43	2,700	<0.5	7	10	56	<0.5	-
MW-9	03/05/2007[6]	28.68	18.79	9.89	800	<0.5	<0.5	0.7	1	<0.5	-
MW-9	09/24/2007[6]	28.68	20.70	7.98	360	<0.5	<0.5	0.6	0.9	<0.5	-
MW-9	03/10/2008[6]	28.68	19.86	8.82	390	<0.5	<0.5	<0.5	0.9	<0.5	-
MW-9	09/12/2008[6]	28.68	20.45	8.23	540	<0.5	<0.5	0.7	6.5	<0.5	-
MW-9	09/24/2009[6]	28.68	20.47	8.21	580	<0.5	<0.5	0.8 J	5	<0.5	-
MW-9	03/31/2010[6]	28.68	19.92	8.76	680	<0.5	<0.5	1 J	3 J	<0.5	-
MW-9	09/21/2010	34.56	19.95	14.61	1,100	<0.5	<0.5	3	10	<0.5	-
MW-9	03/19/2011	34.56	19.60	14.96	940	<0.5	<0.5	4	9	<0.5	-
MW-9	06/18/2011	34.56	-	-	-	-	-	-	-	-	-
MW-9	09/17/2011	34.56	19.43	15.13	670	<0.5	<0.5	0.8 J	3	<0.5	-
MW-9	10/29/2011	34.56	-	-	-	-	-	-	-	-	-
MW-9	03/17/2012	34.56	19.93	14.63	980	<0.5	<0.5	0.9 J	3	<0.5	-
MW-9	09/22/2012	34.56	19.55	15.01	890	<0.5	<0.5	1	4	<0.5	-
MW-9	03/16/2013	34.56	19.33	15.23	430	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-9	**09/21/2013**	**34.56**	**19.68**	**14.88**	**680**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**
MW-13	11/15/1991[16]	28.63	21.07	7.56	3,100	68	40	110	270	-	-
MW-13	02/20/1992	28.63	22.17	6.46	3,100	120	50	240	400	-	-
MW-13	06/15/1992	28.63	20.67	7.96	3,200	35	33	210	300	-	-
MW-13	12/16/1992	28.62	20.34	8.28	87,000	1,400	540	2,400	11,000	-	-
MW-13	04/07/1993	28.62	19.41	9.21	1,500	72	12	70	160	-	-
MW-13	06/09/1993	28.62	19.20	9.42	210	6.0	2.0	7.0	16	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-13	09/10/1993	28.62	-	-	73	3.0	<0.5	2.0	3.0	-	-
MW-13	09/27/1993	28.62	20.35	8.27	-	-	-	-	-	-	-
MW-13	12/17/1993	28.62	20.76	7.86	640	43	12	12	37	-	-
MW-13	03/10/1994	28.62	20.69	7.93	540	44	22	10	69	-	-
MW-13	06/16/1994	28.62	20.67	7.95	1,800	63	12	18	64	-	-
MW-13	09/07/1994	28.62	20.83	7.79	1,400	59	12	22	50	-	-
MW-13	11/30/1994	28.62	20.41	8.21	700	36	4.4	18	31	-	-
MW-13	03/22/1995	28.62	19.82	8.80	190	1.4	1.4	<0.5	<0.5	-	-
MW-13	06/27/1995	28.62	19.76	8.86	220	1.8	<0.5	<0.5	0.84	-	-
MW-13	09/28/1995	28.62	20.04	8.58	160	3.2	<0.5	0.97	2.2	-	-
MW-13	12/30/1995	28.62	20.30	8.32	190	0.94	<0.5	0.74	1.1	<2.5	-
MW-13	02/28/1996	28.62	19.89	8.73	130	<0.5	<0.5	<0.5	<0.5	<2.5	-
MW-13	06/27/1996	28.62	19.98	8.64	280	<0.5	1.4	<0.5	3.8	9.4	-
MW-13	09/13/1996	28.62	20.28	8.34	170	<0.5	<0.5	<0.5	0.89	2.7	-
MW-13	12/16/1996	28.62	20.47	8.15	170	<0.5	0.51	0.6	3.0	<2.5	-
MW-13	03/20/1997	28.62	19.90	8.72	290	1.6	0.78	1.1	1.5	3.4	-
MW-13	09/08/1997	28.62	20.49	8.13	140	0.52	1.5	<0.5	1.2	<2.5	-
MW-13	02/16/1998	28.62	19.75	8.87	64	<0.5	<0.5	<0.5	<0.5	<2.5	-
MW-13	08/25/1998	28.62	20.02	8.60	99	<0.5	<0.5	<0.5	1.7	<2.5	-
MW-13	03/09/1999	28.62	20.00	8.62	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
MW-13	09/29/1999	28.62	20.49	8.13	<50	<0.5	<0.5	<0.5	<0.5	<5.0/<2.0[1]	-
MW-13	03/27/2000	28.62	20.04	8.58	89.5	0.765	0.682	<0.5	0.688	4.04	-
MW-13	09/18/2000	28.62	20.49	8.13	1,300[5]	6.9	2.8	14	28	12	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-13	03/27/2001	28.62	20.28	8.34	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	-
MW-13	09/05/2001	28.62	20.66	7.96	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-
MW-13	03/15/2002	28.62	20.10	8.52	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-
MW-13	09/14/2002	28.62	20.46	8.16	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-
MW-13	03/26/2003	28.62	20.42	8.20	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-
MW-13	09/02/2003[6]	28.62	21.35	7.27	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-13	03/29/2004[6]	28.62	19.66	8.96	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-13	09/03/2004[6]	28.62	20.14	8.48	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-13	03/02/2005[6]	28.62	19.51	9.11	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-13	09/22/2005[6]	28.62	19.29	9.33	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-13	03/30/2006[6]	28.62	19.10	9.52	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-13	08/28/2006[6]	28.62	19.54	9.08	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-13	03/05/2007[6]	28.62	19.18	9.44	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-13	09/24/2007[6]	28.62	20.70	7.92	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-13	03/10/2008[6]	28.62	20.21	8.41	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-13	09/12/2008[6]	28.62	20.88	7.74	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-13	09/24/2009[6,9]	28.62	20.90	7.72	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-13	03/31/2010[6]	28.62	20.23	8.39	88 J	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-13	09/21/2010	34.54	20.44	14.10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-13	03/19/2011	34.54	19.65	14.89	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-13	06/18/2011	34.54	-	-	-	-	-	-	-	-	-
MW-13	09/17/2011	34.54	19.90	14.64	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-13	10/29/2011	34.54	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-13	03/17/2012	34.54	20.00	14.54	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-13	09/22/2012	34.54	20.00	14.54	52 J	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-13	03/16/2013	34.54	19.72	14.82	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-13	**09/21/2013**	**34.54**	**20.24**	**14.30**	**60 J**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**
MW-15	12/16/1992	28.04	19.74	8.30	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	04/07/1993	28.04	18.80	9.24	<50	1.3	<0.5	<0.5	<1.5	-	-
MW-15	06/09/1993	28.04	18.60	9.44	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	09/10/1993	28.04	-	-	-	-	-	-	-	-	-
MW-15	09/27/1993	28.04	19.93	8.11	<50	2.0	<0.5	<0.5	<0.5	-	-
MW-15	12/17/1993	28.04	20.32	7.72	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	03/10/1994	28.04	20.29	7.75	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	06/16/1994	28.04	20.31	7.73	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	09/07/1994	28.04	20.43	7.61	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	11/30/1994	28.04	20.01	8.03	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	03/22/1995	28.04	19.47	8.57	69	4.9	<0.5	<0.5	<0.5	-	-
MW-15	06/27/1995	28.04	19.34	8.70	<50	3.9	<0.5	1.4	<0.5	-	-
MW-15	09/28/1995	28.04	19.66	8.38	<50	0.82	<0.5	<0.5	<0.5	-	-
MW-15	12/30/1995	28.04	19.94	8.10	160	7.0	1.4	<0.5	1.8	14	-
MW-15	02/28/1996	28.04	19.63	8.41	81	1.7	<0.5	<0.5	<0.5	<2.5	-
MW-15	06/27/1996	28.04	19.60	8.44	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-
MW-15	09/13/1996	28.04	19.90	8.14	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
MW-15	12/16/1996	28.04	20.23	7.81	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-15	03/20/1997	28.04	19.52	8.52	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
MW-15	09/08/1997	28.04	20.18	7.86	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
MW-15	02/16/1998	28.04	19.37	8.67	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
MW-15	08/25/1998	28.04	19.70	8.34	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
MW-15	03/09/1999	28.04	19.69	8.35	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
MW-15	09/29/1999	28.04	20.12	7.92	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-
MW-15	03/27/2000	28.04	19.67	8.37	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
MW-15	09/18/2000	28.04	20.13	7.91	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-
MW-15	03/27/2001	28.04	19.91	8.13	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	-
MW-15	09/05/2001	28.04	20.28	7.76	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-
MW-15	03/15/2002	28.04	19.71	8.33	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-
MW-15	09/14/2002	28.04	20.10	7.94	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-
MW-15	03/26/2003	28.04	20.05	7.99	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-
MW-15	09/02/2003[6]	28.04	20.92	7.12	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-15	03/29/2004[6]	28.04	19.31	8.73	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-15	09/03/2004[6]	28.04	19.73	8.31	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-15	03/02/2005[6]	28.04	19.11	8.93	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-15	09/22/2005[6]	28.04	18.85	9.19	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-15	03/30/2006[6]	28.04	18.75	9.29	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-15	08/28/2006[6]	28.04	19.12	8.92	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-15	03/05/2007[6]	28.04	18.85	9.19	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-15	09/24/2007[6]	28.04	20.33	7.71	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-15	03/10/2008[6]	28.04	19.87	8.17	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-15	09/12/2008[6]	28.04	20.50	7.54	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-15	09/24/2009[6]	28.04	20.47	7.57	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-15	03/31/2010[6]	28.04	19.85	8.19	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-
MW-15	09/21/2010	33.94	20.10	13.84	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-15	03/19/2011	33.94	19.31	14.63	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-15	06/18/2011	33.94	-	-	-	-	-	-	-	-	-
MW-15	09/17/2011	33.94	19.60	14.34	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-15	10/29/2011	33.94	-	-	-	-	-	-	-	-	-
MW-15	03/17/2012	33.94	19.64	14.30	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-15	09/22/2012	33.94	19.73	14.21	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-15	03/16/2013	33.94	19.45	14.49	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
MW-15	**09/21/2013**	**33.94**	**19.97**	**13.97**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**
MW-16	12/16/1992	28.32	19.58	8.74	-	-	-	-	-	-	-
MW-16	12/21/1992	28.32	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-16	04/07/1993	28.32	18.41	9.91	<50	<0.5	6.8	<0.5	<0.5	-	-
MW-16	06/09/1993	28.32	18.25	10.07	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-16	09/10/1993	28.32	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-16	09/27/1993	28.32	20.16	8.16	-	-	-	-	-	-	-
MW-16	12/17/1993	28.32	-	-	-	-	-	-	-	-	-
MW-16	03/10/1994	28.32	20.55	7.77	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-16	06/16/1994	28.32	20.65	7.67	<50	0.9	0.7	<0.5	<0.5	-	-
MW-16	09/07/1994	28.32	20.73	7.59	150	1.3	0.8	1.2	3.6	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-16	11/30/1994	28.32	20.28	8.04	4,200	300	<5.0	34	350	-	-
MW-16	03/22/1995	28.32	19.67	8.65	2,900	180	5.7	21	91	-	-
MW-16	06/27/1995	28.32	19.60	8.72	2,000	330	10	27	48	-	-
MW-16	09/28/1995[10]	28.32	-	-	-	-	-	-	-	-	-
MW-16	12/30/1995	28.32	20.26	8.06	3,100	770	39	30	80	<12	-
MW-16	02/28/1996	28.32	19.84	8.48	1,600	320	15	11	21	<25	-
MW-16	06/27/1996	28.32	19.87	8.45	2,900	670	48	54	86	280	-
MW-16	09/13/1996	28.32	20.15	8.17	1,400	18	4.0	8.6	16	<10	-
MW-16	12/16/1996	28.32	20.79	7.53	3,100	500	25	23	52	<25	-
MW-16	03/20/1997	28.32	19.80	8.52	3,800	550	23	14	8.4	140	-
MW-16	09/08/1997	28.32	20.35	7.97	2,800	470	28	24	41	<10	-
MW-16	02/16/1998	28.32	19.92	8.40	3,100	570	35	27	54	<25	-
MW-16	08/25/1998	28.32	20.20	8.12	3,500	520	43	57	75	<12	-
MW-16	03/09/1999	28.32	20.17	8.15	4,900	750	55	40	120	<50	-
MW-16	09/29/1999	28.32	20.55	7.77	5,480	717	45.3	44	100	<10[1]/<125	-
MW-16	03/27/2000[10]	28.32	-	-	-	-	-	-	-	-	-
MW-16	09/18/2000[3,10]	28.32	20.47	7.85	-	-	-	-	-	-	-
MW-16	03/27/2001[10]	28.32	-	-	-	-	-	-	-	-	-
MW-16	09/05/2001[3]	28.32	19.62	8.70	6,500	710	72	45	94	<20	-
MW-16	03/15/2002[3]	28.32	20.04	8.28	5,800	520	60	28	68	<2.5	-
MW-16	09/14/2002[3]	28.32	20.48	7.84	7,300	560	75	52	100	<50	-
MW-16	03/26/2003[3]	28.32	20.41	7.91	8,200	650	96	66	120	<50	-
MW-16	09/02/2003[7,10]	28.32	21.30	7.02	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-16	03/29/2004[10]	28.32	-	-	-	-	-	-	-	-	-
MW-16	09/03/2004[6]	28.32	20.20	8.12	7,400	140	89	58	139	<0.5	-
MW-16	03/02/2005[6]	28.32	19.58	8.74	6,500	74	55	31	69	<1	-
MW-16	09/22/2005[6]	28.32	19.41	8.91	8,500	60	46	35	64	<3	-
MW-16	03/30/2006[6]	28.32	19.24	9.08	8,000	110	72	55	111	<0.5	-
MW-16	08/28/2006[6]	28.32	19.55	8.77	10,000	210	100	58	152	<0.5	-
MW-16	03/05/2007[6]	28.32	19.37	8.95	8,900	330	78	38	122	<1	-
MW-16	09/24/2007[6]	28.32	20.65	7.67	8,000	310	97	55	131	<0.5	-
MW-16	03/10/2008[6]	28.32	20.42	7.90	7,200[8]	300	100	75	244	<0.5	-
MW-16	09/12/2008[6]	28.32	20.85	7.47	7,100	180	95	64	172	<3	-
MW-16	09/24/2009[6,10]	28.32	-	-	-	-	-	-	-	-	-
MW-16	03/31/2010[6,10]	28.32	-	-	-	-	-	-	-	-	-
MW-16	09/21/2010	34.21	20.42	13.79	9,200	41	65	49	90	<0.5	-
MW-16	03/19/2011	34.21	19.61	14.60	8,700	34	42	23	68	<0.5	-
MW-16	06/18/2011	34.21	-	-	-	-	-	-	-	-	-
MW-16	09/17/2011	34.21	19.80	14.41	7,600	38	57	52	79	<0.5	-
MW-16	10/29/2011	34.21	-	-	-	-	-	-	-	-	-
MW-16	03/17/2012	34.21	19.97	14.24	11,000	33	56	28	78	<3	-
MW-16	09/22/2012	34.21	20.01	14.20	8,400	31	52	33	65	<3	-
MW-16	03/16/2013	34.21	19.80	14.41	9,100	18	28	20	56	<5	-
MW-16	**09/21/2013**	**34.21**	**20.35**	**13.86**	**7,600**	**17**	**53**	**32**	**97**	**<0.5**	**-**
MW-17	10/30/10	34.55	-	-	11,000	200	1,100	990	3,000	<1	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-17	03/19/2011[17]	34.53	18.84	15.69	2,400	50	79	110	340	<0.5	-
MW-17	06/18/2011[17]	34.53	18.96	15.57	24,000	220	760	640	2,400	<3	-
MW-17	09/17/2011[17]	34.53	19.24	15.29	19,000	150	550	500	2,100	<5	-
MW-17	10/29/2011[17]	34.53	19.41	15.12	6,800	170	560	350	1,700	<1	-
MW-17	03/17/2012[17]	34.53	19.12	15.41	20,000	180	670	580	2,100	<5	-
MW-17	09/22/2012[17]	34.53	19.13	15.40	23,000	180	730	650	2,500	<5	-
MW-17	03/16/2013	34.53	19.01	15.52	18,000	110	430	430	1,600	<5	-
MW-17	**09/21/2013**	**34.53**	**19.71**	**14.82**	**19,000**	**180**	**950**	**900**	**3,100**	**<0.5**	**-**
QA	03/15/2002	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-
QA	09/14/2002	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-
QA	03/26/2003	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-
QA	09/02/2003[6]	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	03/29/2004[6]	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	09/03/2004[6]	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	03/02/2005[6]	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	09/22/2005[6]	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	03/30/2006[6]	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	08/28/2006[6]	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	03/05/2007[6]	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	09/24/2007[6]	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	03/10/2008[6]	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	09/12/2008[6]	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	09/24/2009[6]	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	03/31/2010[6]	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	09/21/2010	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	03/19/2011	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	06/18/2011	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	09/17/2011	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	10/29/2011	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	03/17/2012	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	09/22/2012	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	03/16/2013	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-
QA	**09/21/2013**	**-**	**-**	**-**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**
MW-1	11/03/1988	29.82	20.40	9.42	<1,000	<1.0	<1.0	<1.0	<1.0	-	-
MW-1	02/02/1989	29.82	20.71	9.11	-	-	-	-	-	-	-
MW-1	02/10/1989	29.82	-	-	<100	<0.2	<0.2	<0.2	<0.4	-	-
MW-1	04/23/1989	29.82	20.34	9.48	-	-	-	-	-	-	-
MW-1	04/24/1989	29.82	-	-	<50	<0.5	<1.0	<1.0	<1.0	-	<3,000
MW-1	07/28/1989	29.82	20.58	9.24	<50	<0.1	<0.5	<0.2	<0.5	-	<3,000
MW-1	10/30/1989	29.82	20.52	9.30	<500	<0.3	<0.3	<0.3	<0.6	-	-
MW-1	01/09/1990	29.82	20.77	9.05	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-1	04/18/1990	29.82	20.95	8.87	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-1	06/22/1990	29.82	21.00	8.82	-	-	-	-	-	-	-
MW-1	08/09/1990	29.82	20.94	8.88	<50	<0.3	<0.3	<0.3	<0.6	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	11/13/1990	29.82	20.98	8.84	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	05/15/1991	29.82	20.64	9.18	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	08/27/1991	29.82	20.79	9.03	110	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	11/15/1991	29.82	20.75	9.07	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	02/20/1992	29.82	20.90	8.92	<50	0.5	0.6	<0.5	0.9	-	-
MW-1	06/15/1992	29.82	20.64	9.18	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	12/16/1992	29.82	20.84	8.98	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	04/07/1993	29.82	19.91	9.91	<50	<0.5	<0.5	<0.5	<1.5	-	-
MW-1	06/09/1993	29.82	19.85	9.97	-	-	-	-	-	-	-
MW-1	09/10/1993	29.82	-	-	-	-	-	-	-	-	-
MW-1	09/27/1993	29.82	20.35	9.47	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	12/17/1993	29.82	20.68	9.14	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	03/10/1994	29.82	20.57	9.25	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	06/16/1994	29.82	20.55	9.27	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	09/07/1994	29.82	20.69	9.13	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	11/30/1994	29.82	20.23	9.59	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	03/22/1995	29.82	19.45	10.37	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	03/23/1995[12]	-	-	-	-	-	-	-	-	-	-
MW-2	11/03/1988	30.59	20.89	9.70	<1,000	<1.0	<1.0	<1.0	<1.0	-	-
MW-2	02/02/1989	30.59	21.21	9.38	-	-	-	-	-	-	-
MW-2	02/10/1989	30.59	-	-	<100	<0.2	<0.2	<0.2	<0.4	-	-
MW-2	04/23/1989	30.59	20.82	9.77	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	04/24/1989	30.59	-	-	<50	<0.5	<1.0	<1.0	<1.0	-	<3,000
MW-2	07/28/1989	30.59	21.02	9.57	<100	<0.2	<1.0	<0.2	<0.5	-	<3,000
MW-2	10/30/1989	30.59	20.96	9.63	<500	<0.3	<0.3	<0.3	<0.6	-	-
MW-2	01/09/1990	30.59	21.25	9.34	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-2	04/18/1990	30.59	21.53	9.06	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-2	06/22/1990	30.59	21.57	9.02	-	-	-	-	-	-	-
MW-2	08/09/1990	30.59	21.55	9.04	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-2	11/13/1990	30.59	21.54	9.05	<50	<0.5	0.8	<0.5	0.9	-	-
MW-2	05/15/1991	30.59	21.15	9.44	83	<0.5	<0.5	<0.5	<0.5	-	-
MW-2	08/27/1991	30.59	21.27	9.32	97	<0.5	<0.5	<0.5	<0.5	-	-
MW-2	11/15/1991	30.59	21.30	9.29	<50	0.5	1.5	0.8	3.6	-	-
MW-2	02/20/1992	30.59	21.43	9.13	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-2	06/15/1992	30.59	21.18	9.41	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-2	12/16/1992	30.56	21.47	9.09	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-2	04/07/1993	30.56	20.53	10.03	66	<0.5	<0.5	<0.5	<1.5	-	-
MW-2	06/09/1993	30.56	20.45	10.11	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-2	09/10/1993	30.56	-	-	-	-	-	-	-	-	-
MW-2	09/27/1993	30.56	20.97	9.59	-	-	-	-	-	-	-
MW-2	12/17/1993	30.56	21.31	9.25	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-2	03/10/1994	30.56	21.23	9.33	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-2	06/16/1994	30.56	21.21	9.35	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-2	09/07/1994	30.56	21.34	9.22	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-2	11/30/1994	30.56	20.90	9.66	<50	<0.5	<0.5	<0.5	<0.5	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	03/22/1995	30.56	20.34	10.22	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-2	03/23/1995[12]	-	-	-	-	-	-	-	-	-	-
MW-3	11/03/1988	30.09	20.54	9.55	<1,000	<1.0	<1.0	<1.0	<1.0	-	-
MW-3	02/02/1989	30.09	20.85	9.24	-	-	-	-	-	-	-
MW-3	02/10/1989	30.09	-	-	<100	<0.2	<0.2	<0.2	<0.4	-	-
MW-3	04/23/1989	30.09	20.43	9.66	-	-	-	-	-	-	-
MW-3	04/24/1989	30.09	-	-	<50	<0.5	<1.0	<1.0	<1.0	-	<3,000
MW-3	07/28/1989	30.09	20.64	9.45	<100	<0.2	<1.0	<0.2	<0.4	-	<3,000
MW-3	10/30/1989	30.09	20.61	9.48	<500	<0.3	<0.3	<0.3	<0.6	-	-
MW-3	01/09/1990	30.09	20.88	9.21	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-3	04/18/1990	30.09	21.15	8.94	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-3	06/22/1990	30.09	21.20	8.89	-	-	-	-	-	-	-
MW-3	08/09/1990	30.09	21.18	8.91	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-3	11/13/1990	30.09	21.15	8.94	51	<0.5	<0.5	<0.5	<0.5	-	-
MW-3	05/15/1991	30.09	20.91	9.18	85	<0.5	<0.5	<0.5	<0.5	-	-
MW-3	08/27/1991	30.09	20.89	9.20	91	<0.5	<0.5	<0.5	<0.5	-	-
MW-3	11/15/1991	30.09	21.02	9.07	<50	<0.5	0.7	<0.5	1.3	-	-
MW-3	02/20/1992	30.09	21.07	9.02	<50	<0.5	<0.5	<0.5	0.9	-	-
MW-3	06/15/1992	30.09	20.82	9.27	50	<0.5	<0.5	<0.5	<0.5	-	-
MW-3	12/16/1992	30.08	21.07	9.07	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-3	04/07/1993	30.08	20.13	9.95	<50	<0.5	<0.5	<0.5	<1.5	-	-
MW-3	06/09/1993	30.08	20.05	10.03	<50	<0.5	<0.5	<0.5	<0.5	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	09/10/1993	30.08	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-3	09/27/1993	30.08	20.58	9.50	-	-	-	-	-	-	-
MW-3	12/17/1993	30.08	21.01	9.07	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-3	03/10/1994	30.08	20.86	9.22	<50	<0.5	<0.5	<0.5	1.1	-	-
MW-3	06/16/1994	30.08	20.87	9.21	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-3	09/07/1994	30.08	20.97	9.11	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-3	11/30/1994	30.08	19.63	10.45	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-3	03/22/1995	30.08	19.81	10.27	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-3	03/23/1995[12]	-	-	-	-	-	-	-	-	-	-
MW-3	08/27/2001[14]	-	-	-	-	-	-	-	-	-	-
MW-4	04/23/1989	31.17	21.33	9.84	-	-	-	-	-	-	-
MW-4	04/24/1989	31.17	-	-	<50	<0.5	<1.0	<1.0	<1.0	-	<3,000
MW-4	07/28/1989	31.17	21.58	9.59	<50	<0.1	<0.5	<0.1	<0.2	-	<3,000
MW-4	10/30/1989	31.17	21.54	9.63	<500	<0.3	<0.3	<0.3	<0.6	-	-
MW-4	01/09/1990	31.17	21.82	9.35	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-4	04/18/1990	31.17	22.09	9.08	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-4	06/22/1990	31.17	22.12	9.05	-	-	-	-	-	-	-
MW-4	08/09/1990	31.17	22.11	9.06	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-4	11/13/1990	31.17	22.10	9.07	<50	<0.5	1.0	0.5	1.0	-	-
MW-4	05/15/1991	31.17	21.71	9.46	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-4	08/27/1991	31.17	21.87	9.30	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-4	11/15/1991	31.17	21.80	9.37	97	<0.5	0.9	<0.5	1.9	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	02/20/1992	31.17	21.99	9.18	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-4	06/15/1992	31.17	21.74	9.43	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-4	12/16/1992	31.17	22.05	9.12	<50	0.7	0.5	0.5	1.3	-	-
MW-4	04/07/1993	31.17	21.11	10.06	<50	<0.5	<0.5	<0.5	<1.5	-	-
MW-4	06/09/1993	31.17	-	-	-	-	-	-	-	-	-
MW-4	09/10/1993	31.17	-	-	-	-	-	-	-	-	-
MW-4	09/27/1993	31.17	21.54	9.63	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-4	12/17/1993	31.17	21.89	9.28	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-4	03/10/1994	31.17	-	-	-	-	-	-	-	-	-
MW-4	06/16/1994	31.17	20.54	10.63	-	-	-	-	-	-	-
MW-4	09/07/1994	31.17	21.90	9.27	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-4	11/30/1994	31.17	21.34	9.83	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-4	03/21/1995	31.17	20.62	10.55	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-4	03/23/1995[12]	-	-	-	-	-	-	-	-	-	-
MW-5	04/23/1989	30.28	20.62	9.66	-	-	-	-	-	-	-
MW-5	04/24/1989	30.28	-	-	<50	<0.5	<1.0	<1.0	<1.0	-	<3,000
MW-5	07/28/1989	30.28	20.86	9.42	<100	<0.2	<1.0	<0.2	<0.4	-	<3,000
MW-5	10/30/1989	30.28	20.82	9.46	<500	<0.3	<0.3	<0.3	<0.6	-	-
MW-5	01/09/1990	30.28	21.07	9.21	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-5	04/18/1990	30.28	21.35	8.93	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-5	06/22/1990	30.28	21.38	8.90	-	-	-	-	-	-	-
MW-5	08/09/1990	30.28	21.36	8.92	<50	<0.3	<0.3	<0.3	<0.6	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	11/13/1990	30.28	21.35	8.93	<50	<0.5	1.0	<0.5	1.0	-	-
MW-5	05/15/1991	30.28	21.29	8.99	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-5	08/27/1991	30.28	21.11	9.17	94	3.0	5.0	1.5	5.5	-	-
MW-5	11/15/1991	30.28	21.18	9.10	<50	0.9	1.7	<0.5	2.2	-	-
MW-5	02/20/1992	30.28	21.25	9.03	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-5	06/15/1992	30.28	21.00	9.28	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-5	12/16/1992	30.28	21.23	9.05	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-5	04/07/1993	30.28	20.31	9.97	<50	<0.5	<0.5	<0.5	<1.5	-	-
MW-5	06/09/1993	30.28	-	-	-	-	-	-	-	-	-
MW-5	09/10/1993	30.28	-	-	-	-	-	-	-	-	-
MW-5	09/27/1993	30.28	20.76	9.52	-	-	-	-	-	-	-
MW-5	09/28/1993[12]	-	-	-	-	-	-	-	-	-	-
MW-6	04/23/1989	29.46	20.05	9.41	-	-	-	-	-	-	-
MW-6	04/24/1989	29.46	-	-	<50	<0.5	<1.0	<1.0	<1.0	-	<3.0
MW-6	07/28/1989	29.46	20.30	9.16	<100	<0.2	<1.0	<0.2	<0.4	-	<3.0
MW-6	10/30/1989	29.46	20.32	9.14	<500	<0.3	<0.3	<0.3	<0.6	-	-
MW-6	01/09/1990	29.46	20.51	8.95	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-6	04/18/1990	29.46	20.72	8.74	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-6	06/22/1990	29.46	20.77	8.69	-	-	-	-	-	-	-
MW-6	08/09/1990	29.46	20.74	8.72	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-6	11/13/1990	29.46	20.75	8.71	<50	3.0	5.0	0.5	2.0	-	-
MW-6	05/15/1991	29.46	20.61	8.85	<50	<0.5	<0.5	<0.5	<0.5	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	08/27/1991	29.46	20.53	8.93	180	6.1	12	3.8	14	-	-
MW-6	11/15/1991	29.46	20.53	8.93	<50	<0.5	0.6	<0.5	<0.5	-	-
MW-6	02/20/1992	29.46	20.69	8.77	<50	0.9	1.1	<0.5	1.4	-	-
MW-6	06/15/1992	29.46	20.38	9.08	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-6	12/16/1992	29.45	20.57	8.88	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-6	04/07/1993	29.45	19.59	9.86	<50	<0.5	<0.5	<0.5	<1.5	-	-
MW-6	06/09/1993	29.45	19.50	9.95	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-6	09/10/1993	29.45	-	-	-	-	-	-	-	-	-
MW-6	09/27/1993	29.45	20.07	9.38	-	-	-	-	-	-	-
MW-6	09/28/1993[12]	-	-	-	-	-	-	-	-	-	-
MW-7	04/23/1989	29.01	18.99	10.02	-	-	-	-	-	-	-
MW-7	04/24/1989[15]	29.01	-	-	8,400	100	260	160	1,300	-	<3.0
MW-7	07/28/1989	29.01	19.94	9.07	7,000/6,000	280/230	180/90	58/70	430/440	-	<3,000
MW-7	10/30/1989	29.01	19.97	9.04	9,900/10,000	520/570	55/82	180/160	400/410	-	-
MW-7	01/09/1990	29.01	20.15	8.86	3,400	290	72	9.0	200	-	-
MW-7	04/18/1990	29.01	20.37	8.64	6,800	350	140	110	400	-	-
MW-7	06/22/1990	29.01	20.40	8.61	-	-	-	-	-	-	-
MW-7	08/09/1990	29.01	20.38	8.63	11,000	360	130	14	660	-	-
MW-7	11/13/1990	29.01	20.41	8.60	6,500	230	110	97	460	-	-
MW-7	05/15/1991	29.01	20.47	8.54	4,600	180	55	46	300	-	-
MW-7	08/27/1991	29.01	20.14	8.87	7,000	220	53	63	340	-	-
MW-7	11/15/1991	29.01	20.22	8.79	3,300	150	19	4.9	200	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	02/20/1992	29.01	20.32	8.69	5,200	520	150	100	380	-	-
MW-7	06/15/1992	29.01	19.98	9.03	10,000	760	430	320	1,100	-	-
MW-7	12/16/1992	29.01	20.14	8.87	11,000	810	350	280	1,100	-	-
MW-7	04/07/1993	29.01	19.14	9.87	150	1.4	0.9	0.9	4.5	-	-
MW-7	06/09/1993	29.01	19.05	9.96	180	4.0	1.0	1.0	3.0	-	-
MW-7	09/10/1993	29.01	-	-	-	-	-	-	-	-	-
MW-7	09/27/1993	29.01	-	-	-	-	-	-	-	-	-
MW-7	12/17/1993	29.01	-	-	-	-	-	-	-	-	-
MW-7	03/10/1994	29.01	-	-	-	-	-	-	-	-	-
MW-7	06/16/1994	29.01	-	-	-	-	-	-	-	-	-
MW-7	09/07/1994	29.01	-	-	-	-	-	-	-	-	-
MW-7	11/30/1994[10]	29.01	-	-	-	-	-	-	-	-	-
MW-7	01/17/1995	29.01	17.39	11.62	2,700	140	65	44	200	-	-
MW-7	03/22/1995	29.01	17.68	11.33	160	3.4	<0.5	1.1	0.77	-	-
MW-7	06/27/1995	29.01	19.26	9.75	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-7	09/28/1995	29.01	19.34	9.67	1,500	84	24	26	130	-	-
MW-7	12/30/1995	29.01	19.16	9.85	200	1.6	<0.5	1.3	5.9	5.5	-
MW-7	02/28/1996	29.01	18.44	10.57	650	14	1.3	4.2	16	34	-
MW-7	06/27/1996	29.01	18.72	10.29	640	140	10	9.8	14	55	-
MW-7	09/13/1996	29.01	19.40	9.61	1,400	100	30	24	66	130	-
MW-7	12/16/1996	29.01	20.10	8.91	2,600	140	72	51	180	<50	-
MW-7	03/20/1997	29.01	18.95	10.06	64	1.7	2.4	<0.5	0.67	<2.5	-
MW-7	09/08/1997	29.01	19.67	9.34	590	45	<1.0	7.7	<1.0	46	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	02/16/1998	29.01	18.60	10.41	120	8.7	7.5	1.9	11	4.4	-
MW-7	08/25/1998	29.01	19.40	9.61	160	6.2	33	0.84	2.0	<2.5	-
MW-7	03/09/1999	29.01	16.00	13.01	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
MW-7	09/29/1999	29.01	16.89	12.12	276	35.1	2.54	2.17	5.43	<5.0/<2.0[1]	-
MW-7	03/27/2000	29.01	19.59	9.42	721	38.5	1.06	6.31	9.38	7.75	-
MW-7	09/18/2000[3]	29.01	20.02	8.99	88[4]	2.5	0.92	<0.50	1.3	8.7	-
MW-7	03/27/2001[3]	29.01	19.85	9.16	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	-
MW-7	09/05/2001[3]	29.01	20.41	8.60	220	1.9	2.3	<0.50	<3.0	<2.5	-
MW-7	03/15/2002[3,11]	29.01	19.85	9.16	-	-	-	-	-	-	-
MW-7	09/14/2002[3]	29.01	20.29	8.72	69	2.2	0.85	<0.50	<1.5	<2.5	-
MW-7	03/26/2003[3]	29.01	20.12	8.89	78	<0.50	0.68	<0.50	<1.5	<2.5	-
MW-7	09/02/2003[6,7]	29.01	21.02	7.99	76	<0.5	<0.7	<0.8	<1.6	<0.5	-
MW-7	03/29/2004[6]	29.01	18.88	10.13	160	1	<0.5	0.5	0.6	1	-
MW-7	09/03/2004[6]	29.01	19.49	9.52	110	2	1	0.8	0.8	<0.5	-
MW-7	03/02/2005[6]	29.01	13.42	15.59	850	3	0.9	6	1	<0.5	-
MW-7	09/22/2005[6]	29.01	18.88	10.13	490	29	5	14	4.9	<0.5	-
MW-7	03/30/2006[6]	29.01	18.13	10.88	1,400	51	9	26	10	<0.5	-
MW-7	08/28/2006[6]	29.01	18.85	10.16	1,300	53	12	21	16	<0.5	-
MW-7	03/05/2007[6]	29.01	18.25	10.76	1,800	66	16	17	19	<0.5	-
MW-7	09/24/2007[6]	29.01	19.90	9.11	1,700	76	21	19	24	<0.5	-
MW-7	09/25/2007[13]	-	-	-	-	-	-	-	-	-	-
MW-8	04/23/1989	29.57	20.14	9.43	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	04/24/1989[1]	29.57	-	-	<50/<50	<0.5/<0.5	<1.0/<1.0	<1.0/<1.0	<1.0/<1.0	-	3,000
MW-8	07/28/1989	29.57	20.37	9.20	<100	<0.2	<1.0	<0.2	<0.4	-	<3,000
MW-8	10/30/1989	29.57	20.32	9.25	<500	<0.3	<0.3	<0.3	<0.6	-	-
MW-8	01/09/1990	29.57	20.60	8.97	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-8	04/18/1990	29.57	20.87	8.70	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-8	06/22/1990	29.57	20.34	9.23	-	-	-	-	-	-	-
MW-8	08/09/1990	29.57	20.89	8.68	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-8	11/13/1990	29.57	20.86	8.71	<50	<0.5	0.8	<0.5	2.0	-	-
MW-8	05/15/1991	29.57	20.49	9.08	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-8	08/27/1991	29.57	20.60	8.97	73	<0.5	<0.5	<0.5	<0.5	-	-
MW-8	11/15/1991	29.57	20.62	8.95	<50	<0.5	0.7	<0.5	2.1	-	-
MW-8	02/20/1992	29.57	20.80	8.77	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-8	06/15/1992	29.57	20.48	9.09	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-8	12/16/1992	29.57	20.68	8.89	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-8	04/07/1993	29.57	19.70	9.87	<50	<0.5	<0.5	<0.5	<1.5	-	-
MW-8	06/09/1993	29.57	19.60	9.97	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-8	09/10/1993	29.57	-	-	-	-	-	-	-	-	-
MW-8	09/27/1993	29.57	20.22	9.35	-	-	-	-	-	-	-
MW-8	09/28/1993[12]	-	-	-	-	-	-	-	-	-	-
MW-10	06/22/1990	28.60	20.48	8.12	<50	<0.5	<0.5	<0.5	<0.5	-	<1,000
MW-10	08/09/1990	28.60	20.45	8.15	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-10	11/13/1990	28.60	20.47	8.13	<50	<0.5	2.0	0.5	2.0	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	05/15/1991	28.60	20.15	8.45	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	08/27/1991	28.60	20.27	8.33	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	11/15/1991	28.60	20.33	8.27	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	02/20/1992	28.60	21.45	7.15	<50	2.0	2.2	<0.5	2.1	-	-
MW-10	06/15/1992	28.60	21.30	7.30	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	12/16/1992	28.62	20.17	8.45	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	04/07/1993	28.62	19.26	9.41	<50	<0.5	<0.5	<0.5	<1.5	-	-
MW-10	06/09/1993	28.62	19.07	9.55	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	09/10/1993	28.62	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	09/24/1993	28.62	19.72	8.90	-	-	-	-	-	-	-
MW-10	12/17/1993	28.62	20.07	8.55	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	03/10/1994	28.62	19.97	8.65	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	06/16/1994	28.62	19.98	8.64	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	09/07/1994	28.62	20.12	8.50	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	11/30/1994	28.62	19.70	8.92	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	03/22/1995	28.62	18.92	9.70	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	03/23/1995[12]	-	-	-	-	-	-	-	-	-	-
MW-11	06/22/1990	29.37	21.03	8.34	<50	<0.5	<0.5	<0.5	<0.5	-	<1,000
MW-11	08/09/1990	29.37	21.02	8.35	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-11	11/13/1990	29.37	20.93	8.44	76	0.6	1.0	0.9	4.0	-	-
MW-11	05/15/1991	29.37	20.61	8.76	78	<0.5	<0.5	<0.5	<0.5	-	-
MW-11	08/27/1991	29.37	20.70	8.67	110	<0.5	<0.5	<0.5	<0.5	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-11	11/15/1991	29.37	20.68	8.69	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-11	02/20/1992	29.37	21.91	7.46	<50	1.9	2.1	1.0	4.4	-	-
MW-11	06/15/1992	29.37	20.56	8.81	-	-	-	-	-	-	-
MW-11	12/16/1992	29.39	20.75	8.64	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-11	04/07/1993	29.39	19.83	9.56	<50	<0.5	<0.5	<0.5	<1.5	-	-
MW-11	06/09/1993	29.39	19.67	9.72	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-11	09/10/1993	29.39	-	-	-	-	-	-	-	-	-
MW-11	09/27/1993	29.39	20.33	9.06	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-11	12/17/1993	29.39	20.73	8.66	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-11	03/10/1994	29.39	20.69	8.70	-	-	-	-	-	-	-
MW-11	06/16/1994	29.39	20.56	8.83	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-11	06/17/1994[12]	-	-	-	-	-	-	-	-	-	-
MW-12	06/22/1990	28.43	20.45	7.98	<50	<0.5	<0.5	<0.5	<0.5	-	<1,000
MW-12	08/09/1990	28.43	20.43	8.00	<50	<0.3	<0.3	<0.3	<0.6	-	-
MW-12	11/13/1990	28.43	20.45	7.98	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-12	05/15/1991	28.43	20.07	8.36	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-12	08/27/1991	28.43	20.15	8.28	56	<0.5	<0.5	<0.5	<0.5	-	-
MW-12	11/15/1991	28.43	20.25	8.18	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-12	02/20/1992	28.43	21.37	7.06	<50	2.5	3.1	0.7	3.0	-	-
MW-12	06/15/1992	28.43	19.90	8.53	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-12	12/16/1992	28.43	19.80	8.63	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-12	04/07/1993	28.43	18.75	9.68	<50	<0.5	<0.5	<0.5	<1.5	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-12	06/09/1993	28.43	-	-	-	-	-	-	-	-	-
MW-12	09/10/1993	28.43	-	-	-	-	-	-	-	-	-
MW-12	09/27/1993	28.43	19.63	8.80	-	-	-	-	-	-	-
MW-12	09/28/1993[12]	-	-	-	-	-	-	-	-	-	-
MW-14	11/15/1991	29.46	20.33	9.13	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	02/20/1992	29.46	21.41	8.05	<50	1.3	1.8	1.1	5.2	-	-
MW-14	06/15/1992	29.46	-	-	-	-	-	-	-	-	-
MW-14	12/16/1992	29.45	20.66	8.79	<50	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	04/07/1993	29.45	-	-	-	-	-	-	-	-	-
MW-14	06/09/1993	29.45	-	-	-	-	-	-	-	-	-
MW-14	09/10/1993	29.45	-	-	-	-	-	-	-	-	-
MW-14	09/27/1993	29.45	20.26	9.19	-	-	-	-	-	-	-
MW-14	09/28/1993[12]	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/03/1988	-	-	-	-	<1.0	<1.0	<1.0	<1.0	-	-
Trip Blank	02/10/1989	-	-	-	<50	<0.1	<0.1	<0.1	<0.2	-	-
Trip Blank	04/24/1989	-	-	-	<50	<0.5	<0.5	<1.0	<1.0	-	-
Trip Blank	07/28/1989	-	-	-	<50	<0.1	<0.1	<0.1	<0.2	-	-
Trip Blank	10/30/1989	-	-	-	<500	<0.3	<0.3	<0.3	<0.6	-	-
Trip Blank	01/09/1990	-	-	-	<50	<0.3	<0.3	<0.3	<0.6	-	-
Trip Blank	04/18/1990	-	-	-	<50	<0.3	<0.3	<0.3	<0.6	-	-
Trip Blank	06/22/1990	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trip Blank	08/09/1990	-	-	-	<50	<0.3	<0.3	<0.3	<0.6	-	-
Trip Blank	11/13/1990	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	05/15/1991	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	08/27/1991	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	11/15/1991	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	02/20/1992	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	06/15/1992	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	12/16/1992	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	04/07/1993	-	-	-	<50	<0.5	<0.5	<0.5	<1.5	-	-
Trip Blank	06/09/1993	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	09/10/1993	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	09/27/1993	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	12/17/1993	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	03/10/1994	-	-	-	<50	<0.5	0.6	<0.5	0.6	-	-
Trip Blank	06/16/1994	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	09/07/1994	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	11/30/1994	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	01/17/1995	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	03/22/1995	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	06/27/1995	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	09/28/1995	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	12/30/1995	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	02/28/1996	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*					
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*Total Oil and Grease*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trip Blank	06/27/1996	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-
Trip Blank	09/13/1996	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
Trip Blank	12/16/1996	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
Trip Blank	03/20/1997	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
Trip Blank	09/08/1997	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
Trip Blank	02/16/1998	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
Trip Blank	08/25/1998	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
Trip Blank	03/09/1999	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
Trip Blank	09/29/1999	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-
Trip Blank	03/27/2000	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-
Trip Blank	09/18/2000	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-
Trip Blank	03/27/2001	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	-
Trip Blank	09/05/2001	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	06/22/1990	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-9	08/09/1990	<0.5	-	-	-	<0.5	<0.5	<0.5	0.71	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-9	11/13/1990	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.0	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-9	05/15/1991	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-9	08/27/1991	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-9	11/15/1991	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-9	02/20/1992	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-9	06/15/1992	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-9	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	12/17/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	06/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/07/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	11/30/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/22/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	06/27/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/28/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	12/30/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	02/28/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	06/27/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/13/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	12/16/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/20/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/08/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	02/16/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	08/25/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/09/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	07/19/1999[2]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/29/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/27/2000[10]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/18/2000[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/27/2001[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/05/2001[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/15/2002[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/14/2002[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/26/2003[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/02/2003[6,7]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-9	03/29/2004[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.8	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-9	09/03/2004[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-9	03/02/2005[6]	<0.5	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-9	09/22/2005[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	12	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-9	03/30/2006[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	08/28/2006[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-9	03/05/2007[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-9	09/24/2007[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-9	03/10/2008[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-9	09/12/2008[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-9	09/24/2009[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-9	03/31/2010[6]	<1	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-9	09/21/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-9	03/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	240	360 J	14,200
MW-9	06/18/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/17/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-9	10/29/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/17/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-9	09/22/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-9	03/16/2013	-	-	-	-	-	-	-	-	-	-	-	-	<1	<50	-	-	-	-	-	-	-	-
MW-9	**09/21/2013**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**<1**	**<50**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-13	11/15/1991[16]	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-13	02/20/1992	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-13	06/15/1992	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-13	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												*ADDITIONAL VOCS*							*GENERAL CHEMISTRY*		
Location	Date	*1,1-DCE*	*MC*	*t-1,2-DCE*	*c-1,2-DCE*	*Chloroform*	*1,1,1-TCA*	*Carbon Tet*	*1,2-DCA*	*TCE*	*1,2-DCP*	*1,2-DCE*	*PCE*	*Naphthalene*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*	*EDB*	*Methane*	*Nitrate (as N)*	*Sulfate*
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-13	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	12/17/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	06/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/07/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	11/30/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/22/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	06/27/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/28/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	12/30/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	02/28/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	06/27/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/13/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	12/16/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/20/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/08/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	02/16/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	08/25/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/09/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/29/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/27/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/18/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-13	03/27/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/05/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/15/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/14/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/26/2003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/02/2003[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<5	-	-	-
MW-13	03/29/2004[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-13	09/03/2004[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-13	03/02/2005[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-13	09/22/2005[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-13	03/30/2006[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-13	08/28/2006[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-13	03/05/2007[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-13	09/24/2007[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-13	03/10/2008[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-13	09/12/2008[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-13	09/24/2009[6,9]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-13	03/31/2010[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-13	09/21/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-13	03/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	25	960	42,800
MW-13	06/18/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/17/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-13	10/29/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-13	03/17/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-13	09/22/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-13	03/16/2013	-	-	-	-	-	-	-	-	-	-	-	-	<1	<50	-	-	-	-	-	-	-	-
MW-13	**09/21/2013**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**<1**	**<50**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-15	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/17/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	06/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/07/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/30/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/22/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	06/27/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/28/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/30/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/28/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	06/27/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/13/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/16/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-15	03/20/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/08/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/16/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/25/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/09/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/29/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/27/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/18/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/27/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/05/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/15/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/14/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/26/2003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/02/2003[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-15	03/29/2004[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-15	09/03/2004[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-15	03/02/2005[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-15	09/22/2005[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-15	03/30/2006[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-15	08/28/2006[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-15	03/05/2007[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-15	09/24/2007[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-15	03/10/2008[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-15	09/12/2008[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-15	09/24/2009[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-15	03/31/2010[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-15	09/21/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-15	03/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	<10	5,900	44,900
MW-15	06/18/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/17/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-15	10/29/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/17/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-15	09/22/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-15	03/16/2013	-	-	-	-	-	-	-	-	-	-	-	-	<1	<50	-	-	-	-	-	-	-	-
MW-15	**09/21/2013**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**<1**	**<50**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-16	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	12/21/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	12/17/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	06/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/07/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-16	11/30/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/22/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	06/27/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/28/1995[10]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	12/30/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	02/28/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	06/27/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/13/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	12/16/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/20/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/08/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	02/16/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	08/25/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/09/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/29/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/27/2000[10]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/18/2000[3,10]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/27/2001[10]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/05/2001[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/15/2002[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/14/2002[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/26/2003[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/02/2003[7,10]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												*ADDITIONAL VOCS*							*GENERAL CHEMISTRY*		
Location	Date	*1,1-DCE*	*MC*	*t-1,2-DCE*	*c-1,2-DCE*	*Chloroform*	*1,1,1-TCA*	*Carbon Tet*	*1,2-DCA*	*TCE*	*1,2-DCP*	*1,2-DCE*	*PCE*	*Naphthalene*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*	*EDB*	*Methane*	*Nitrate (as N)*	*Sulfate*
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-16	03/29/2004[10]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/03/2004[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-16	03/02/2005[6]	<2	<5	<2	<2	<2	<2	<3	<1	<3	<3	-	<2	-	<130	<13	<1	<1	<1	<1	-	-	-
MW-16	09/22/2005[6]	<4	<10	<4	<4	<4	<4	<5	<3	<5	<5	-	<4	-	<250	<25	<3	<3	<3	<3	-	-	-
MW-16	03/30/2006[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-16	08/28/2006[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-16	03/05/2007[6]	<2	<4	<2	<2	<2	<2	<2	<1	<2	<2	-	<2	-	<100	<10	<1	<1	<1	<1	-	-	-
MW-16	09/24/2007[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	9	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-16	03/10/2008[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-16	09/12/2008[6]	<4	<10	<4	<4	<4	<4	<5	<3	<5	<5	-	<4	-	<250	<25	<3	<3	<3	<3	-	-	-
MW-16	09/24/2009[6,10]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/31/2010[6,10]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/21/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-16	03/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	6,300	<250	3,000 J
MW-16	06/18/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/17/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-
MW-16	10/29/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/17/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	<250	-	-	-	-	-	-	-	-
MW-16	09/22/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	<250	-	-	-	-	-	-	-	-
MW-16	03/16/2013	-	-	-	-	-	-	-	-	-	-	-	-	<10	<500	-	-	-	-	-	-	-	-
MW-16	**09/21/2013**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4 J**	**<50**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-17	10/30/10	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	-	230 J	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												*ADDITIONAL VOCS*							*GENERAL CHEMISTRY*		
Location	Date	*1,1-DCE*	*MC*	*t-1,2-DCE*	*c-1,2-DCE*	*Chloroform*	*1,1,1-TCA*	*Carbon Tet*	*1,2-DCA*	*TCE*	*1,2-DCP*	*1,2-DCE*	*PCE*	*Naphthalene*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*	*EDB*	*Methane*	*Nitrate (as N)*	*Sulfate*
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-17	03/19/2011[17]	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	1,200	250 J	3,500 J
MW-17	06/18/2011[17]	-	-	-	-	-	-	-	-	-	-	-	-	-	<250	-	-	-	-	-	-	-	-
MW-17	09/17/2011[17]	-	-	-	-	-	-	-	-	-	-	-	-	-	<500	-	-	-	-	-	-	-	-
MW-17	10/29/2011[17]	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-
MW-17	03/17/2012[17]	-	-	-	-	-	-	-	-	-	-	-	-	-	<500	-	-	-	-	-	-	-	-
MW-17	09/22/2012[17]	-	-	-	-	-	-	-	-	-	-	-	-	-	<500	-	-	-	-	-	-	-	-
MW-17	03/16/2013	-	-	-	-	-	-	-	-	-	-	-	-	140	<500	-	-	-	-	-	-	-	-
MW-17	**09/21/2013**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**320**	**<50**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
QA	03/15/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/14/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/26/2003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/02/2003[6]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/29/2004[6]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/03/2004[6]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/02/2005[6]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/22/2005[6]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/30/2006[6]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	08/28/2006[6]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/05/2007[6]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/24/2007[6]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/10/2008[6]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/12/2008[6]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												*ADDITIONAL VOCS*							*GENERAL CHEMISTRY*		
Location	Date	*1,1-DCE*	*MC*	*t-1,2-DCE*	*c-1,2-DCE*	*Chloroform*	*1,1,1-TCA*	*Carbon Tet*	*1,2-DCA*	*TCE*	*1,2-DCP*	*1,2-DCE*	*PCE*	*Naphthalene*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*	*EDB*	*Methane*	*Nitrate (as N)*	*Sulfate*
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	09/24/2009[6]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/31/2010[6]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/21/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/19/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	06/18/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/17/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	10/29/2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/17/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/22/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/16/2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	**09/21/2013**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-1	11/03/1988	-	-	<1.0	-	7.0	<1.0	18	<1.0	<1.0	-	-	<1.0	-	-	-	-	-	-	-	-	-	-
MW-1	02/02/1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/10/1989	-	-	<0.2	<0.2	6.0	<0.2	17	<0.2	<0.2	-	-	<0.2	-	-	-	-	-	-	-	-	-	-
MW-1	04/23/1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	04/24/1989	-	-	-	-	6.0	<1.0	16	<1.0	<1.0	-	<1.0	<1.0	-	-	-	-	-	-	-	-	-	-
MW-1	07/28/1989	-	-	<0.1	<0.1	6.4	0.3	20	<0.1	<0.1	-	-	<0.1	-	-	-	-	-	-	-	-	-	-
MW-1	10/30/1989	-	-	-	-	4.9	<0.5	11	<0.5	<0.5	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-1	01/09/1990	-	-	-	-	7.2	<0.5	24	<0.5	<0.5	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-1	04/18/1990	<0.5	-	-	-	5.5	1.4	23	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-1	06/22/1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/09/1990	<0.5	-	-	-	11	<0.5	32	<0.5	<0.5	<0.5	<0.5	0.7	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	11/13/1990	<0.5	-	<0.5	<0.5	7.0	<0.5	24	<0.5	<0.5	<0.5	-	60.7	-	-	-	-	-	-	-	-	-	-
MW-1	05/15/1991	<0.5	-	<0.5	<0.5	5.0	<0.5	15	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-1	08/27/1991	<0.5	-	-	<0.5	4.2	<0.5	18	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-1	11/15/1991	<0.5	-	<0.5	<0.5	7.9	<0.5	21	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-1	02/20/1992	<0.5	-	<0.5	<0.5	7.5	<0.5	24	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-1	06/15/1992	<0.5	-	<0.5	<0.5	3.2	<0.5	10	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-1	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/17/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	06/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	09/07/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/30/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/22/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/23/1995[12]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/03/1988	-	-	10	-	2.0	<1.0	3.0	<1.0	3.0	-	-	34	-	-	-	-	-	-	-	-	-	-
MW-2	02/02/1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/10/1989	-	-	<0.2	6.3	1.0	<0.2	1.4	<0.2	<0.2	-	-	17.2	-	-	-	-	-	-	-	-	-	-
MW-2	04/23/1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												*ADDITIONAL VOCS*							*GENERAL CHEMISTRY*		
Location	Date	*1,1-DCE*	*MC*	*t-1,2-DCE*	*c-1,2-DCE*	*Chloroform*	*1,1,1-TCA*	*Carbon Tet*	*1,2-DCA*	*TCE*	*1,2-DCP*	*1,2-DCE*	*PCE*	*Naphthalene*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*	*EDB*	*Methane*	*Nitrate (as N)*	*Sulfate*
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	04/24/1989	-	-	-	-	2.0	<1.0	2.0	<1.0	3.0	-	9.0	38	-	-	-	-	-	-	-	-	-	-
MW-2	07/28/1989	-	-	<0.2	<0.2	2.0	<0.2	3.7	<0.2	2.6	-	-	46	-	-	-	-	-	-	-	-	-	-
MW-2	10/30/1989	-	-	-	-	2.6	<0.5	1.4	<0.5	1.1	-	14	53	-	-	-	-	-	-	-	-	-	-
MW-2	01/09/1990	-	-	-	-	3.9	<0.5	3.6	<0.5	5.3	-	16	78	-	-	-	-	-	-	-	-	-	-
MW-2	04/18/1990	<0.5	-	-	-	2.7	<0.5	1.5	<0.5	3.9	<0.5	19	130	-	-	-	-	-	-	-	-	-	-
MW-2	06/22/1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/09/1990	<0.5	-	-	-	2.1	<0.5	2.1	<0.5	6.1	<0.5	15	74	-	-	-	-	-	-	-	-	-	-
MW-2	11/13/1990	<0.5	-	<0.5	10	2.0	<0.5	<0.5	<0.5	4.0	<0.5	-	40	-	-	-	-	-	-	-	-	-	-
MW-2	05/15/1991	<0.5	-	<0.5	15	2.0	<0.5	2.0	<0.5	6.0	<0.5	-	56	-	-	-	-	-	-	-	-	-	-
MW-2	08/27/1991	<0.5	-	-	8.0	0.9	<0.5	1.1	<0.5	3.9	<0.5	-	46	-	-	-	-	-	-	-	-	-	-
MW-2	11/15/1991	<0.5	-	<0.5	6.3	1.1	<0.5	0.6	<0.5	3.1	<0.5	-	58	-	-	-	-	-	-	-	-	-	-
MW-2	02/20/1992	<2.5	-	<2.5	4.3	<2.5	<2.5	11	<2.5	3.1	<2.5	-	62	-	-	-	-	-	-	-	-	-	-
MW-2	06/15/1992	<0.5	-	<0.5	4.8	1.2	<0.5	<0.5	<0.5	3.1	<0.5	-	45	-	-	-	-	-	-	-	-	-	-
MW-2	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/17/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/07/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/30/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	03/22/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/23/1995[12]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/03/1988	-	-	5.0	-	6.0	<1.0	8.0	<1.0	3.0	-	-	84	-	-	-	-	-	-	-	-	-	-
MW-3	02/02/1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/10/1989	-	-	<0.2	9.0	4.0	<0.2	5.8	<0.2	1.9	-	-	53	-	-	-	-	-	-	-	-	-	-
MW-3	04/23/1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	04/24/1989	-	-	-	-	6.0	<1.0	7.0	<1.0	3.0	-	11	110	-	-	-	-	-	-	-	-	-	-
MW-3	07/28/1989	-	-	<0.2	11	5.0	<0.2	8.6	<0.1	2.1	-	-	49	-	-	-	-	-	-	-	-	-	-
MW-3	10/30/1989	-	-	-	-	5.3	<0.5	5.6	<0.5	0.7	-	8.2	62	-	-	-	-	-	-	-	-	-	-
MW-3	01/09/1990	-	-	-	-	6.1	<0.5	8.6	<0.5	73.8	-	8.7	81	-	-	-	-	-	-	-	-	-	-
MW-3	04/18/1990	<0.5	-	-	-	5.8	<0.5	7.6	<0.5	2.4	<0.5	11	120	-	-	-	-	-	-	-	-	-	-
MW-3	06/22/1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/09/1990	<0.5	-	-	-	6.7	<0.5	11	<0.5	5.1	<0.5	11	81	-	-	-	-	-	-	-	-	-	-
MW-3	11/13/1990	<0.5	-	<0.5	9.0	5.0	<0.5	7.0	<0.5	4.0	<0.5	-	43	-	-	-	-	-	-	-	-	-	-
MW-3	05/15/1991	<0.5	-	<0.5	8.0	4.0	<0.5	6.0	<0.5	3.0	<0.5	-	46	-	-	-	-	-	-	-	-	-	-
MW-3	08/27/1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/15/1991	<0.5	-	0.8	7.4	5.0	0.9	6.3	<0.5	3.4	<0.5	-	67	-	-	-	-	-	-	-	-	-	-
MW-3	02/20/1992	<2.5	-	<2.5	6.1	4.0	<2.5	2.8	<2.5	3.0	<2.5	-	96	-	-	-	-	-	-	-	-	-	-
MW-3	06/15/1992	<0.5	-	<0.5	7.5	3.9	<0.5	5.0	<0.5	2.9	<0.5	-	86	-	-	-	-	-	-	-	-	-	-
MW-3	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/17/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	06/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/07/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/30/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/22/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/23/1995[12]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/27/2001[14]	<0.5	-	-	8.1	3.8	<0.5	5.5	<0.5	2.6	<0.5	-	43	-	-	-	-	-	-	-	-	-	-
MW-4	04/23/1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/24/1989	-	-	-	-	11	<1.0	35	<1.0	<1.0	-	<1.0	<1.0	-	-	-	-	-	-	-	-	-	-
MW-4	07/28/1989	-	-	<0.1	<0.1	9.3	<0.1	32	<0.1	<0.1	-	-	<0.1	-	-	-	-	-	-	-	-	-	-
MW-4	10/30/1989	-	-	-	-	8.5	<0.5	32	<0.5	<0.5	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-4	01/09/1990	-	-	-	-	9.8	<0.5	36	<0.5	<0.5	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-4	04/18/1990	<0.5	-	-	-	9.5	<0.5	41	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-4	06/22/1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/09/1990	<0.5	-	-	-	11	<0.5	38	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-4	11/13/1990	<0.5	-	<0.5	<0.5	11	<0.5	40	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-4	05/15/1991	<0.5	-	<0.5	<0.5	10	<0.5	35	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-4	08/27/1991	<0.5	-	-	<0.5	6.1	<0.5	28	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-4	11/15/1991	<0.5	-	<0.5	<0.5	9.1	<0.5	23	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	02/20/1992	<0.5	-	<0.5	<0.5	140	<0.5	400	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-4	06/15/1992	<0.5	-	<0.5	<0.5	11	<0.5	38	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-4	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/17/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	06/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	09/07/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/30/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/21/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/23/1995[12]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	04/23/1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	04/24/1989	-	-	-	-	5.0	<1.0	4.0	<1.0	<1.0	-	2.0	4.0	-	-	-	-	-	-	-	-	-	-
MW-5	07/28/1989	-	-	<0.2	2.3	4.0	0.5	5.6	<0.2	0.3	-	-	5.3	-	-	-	-	-	-	-	-	-	-
MW-5	10/30/1989	-	-	-	-	2.0	<0.5	2.9	<0.5	<0.5	-	0.86	2.7	-	-	-	-	-	-	-	-	-	-
MW-5	01/09/1990	-	-	-	-	4.6	<0.5	8.2	<0.5	0.6	-	3.1	7.8	-	-	-	-	-	-	-	-	-	-
MW-5	04/18/1990	<0.5	-	-	-	2.8	<0.5	6.3	<0.5	<0.5	<0.5	1.7	2.6	-	-	-	-	-	-	-	-	-	-
MW-5	06/22/1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/09/1990	<0.5	-	-	-	4.8	<0.5	11	<0.5	<0.5	<0.5	2.3	6.0	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	11/13/1990	<0.5	-	<0.5	1	3.0	<0.5	7.0	<0.5	<0.5	<0.5	-	5.0	-	-	-	-	-	-	-	-	-	-
MW-5	05/15/1991	<0.5	-	<0.5	0.8	2.0	<0.5	4.0	<0.5	<0.5	<0.5	-	3.0	-	-	-	-	-	-	-	-	-	-
MW-5	08/27/1991	<0.5	-	-	<0.5	1.1	<0.5	3.3	<0.5	<0.5	<0.5	-	2.3	-	-	-	-	-	-	-	-	-	-
MW-5	11/15/1991	<0.5	-	<0.5	1.7	2.8	<0.5	5.7	<0.5	<0.5	<0.5	-	5.5	-	-	-	-	-	-	-	-	-	-
MW-5	02/20/1992	<0.5	-	<0.5	0.7	2.0	<0.5	4.0	<0.5	<0.5	<0.5	-	3.9	-	-	-	-	-	-	-	-	-	-
MW-5	06/15/1992	<0.5	-	<0.5	1.4	2.0	<0.5	4.0	<0.5	<0.5	<0.5	-	5.0	-	-	-	-	-	-	-	-	-	-
MW-5	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/28/1993[12]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	04/23/1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	04/24/1989	-	-	-	-	7.0	<1.0	13	<1.0	<1.0	-	<1.0	<1.0	-	-	-	-	-	-	-	-	-	-
MW-6	07/28/1989	-	-	<0.2	<0.2	4.0	0.5	9.6	0.6	<0.2	-	-	<0.2	-	-	-	-	-	-	-	-	-	-
MW-6	10/30/1989	-	-	-	-	3.6	<0.5	8.2	<0.5	<0.5	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-6	01/09/1990	-	-	-	-	4.2	<0.5	10	1.8	<0.5	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-6	04/18/1990	<0.5	-	-	-	3.8	<0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-6	06/22/1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/09/1990	<0.5	-	-	-	6.6	<0.5	20	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-6	11/13/1990	<0.5	-	<0.5	<0.5	5.0	<0.5	15	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-6	05/15/1991	<0.5	-	<0.5	<0.5	4.0	<0.5	11	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												*ADDITIONAL VOCS*							*GENERAL CHEMISTRY*		
Location	Date	*1,1-DCE*	*MC*	*t-1,2-DCE*	*c-1,2-DCE*	*Chloroform*	*1,1,1-TCA*	*Carbon Tet*	*1,2-DCA*	*TCE*	*1,2-DCP*	*1,2-DCE*	*PCE*	*Naphthalene*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*	*EDB*	*Methane*	*Nitrate (as N)*	*Sulfate*
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	08/27/1991	<0.5	-	-	<0.5	2.2	<0.5	8.0	<0.5	<0.5	<0.5	-	2.4	-	-	-	-	-	-	-	-	-	-
MW-6	11/15/1991	<0.5	-	<0.5	<0.5	5.4	<0.5	13	0.8	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-6	02/20/1992	<0.5	-	<0.5	<0.5	4.0	<0.5	11	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-6	06/15/1992	<0.5	-	<0.5	<0.5	4.2	<0.5	9.6	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-6	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/28/1993[12]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	04/23/1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	04/24/1989[15]	-	-	-	-	9.0	<1.0	3.0	<1.0	<1.0	-	<1.0	<1.0	-	-	-	-	-	-	-	-	-	-
MW-7	07/28/1989	-	-	<5.0/<2.	<0.5/<2.	<10/<2(	<10/<5.(	<2.0/<5.	6.0/<5.(	<5.0/<2.	-	-	<2.0/<5.	-	-	-	-	-	-	-	-	-	-
MW-7	10/30/1989	-	-	-	-	3.1/3.9	<1.0/<1.(	<1.0/<1.	6.2/6.4	<1.0/<1.	-	<1.0/<1.(	<1.0/<1.	-	-	-	-	-	-	-	-	-	-
MW-7	01/09/1990	-	-	-	-	3.0	<0.5	<0.5	8.4	<0.5	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-7	04/18/1990	0.6	-	-	-	3.2	<0.5	<0.5	7.7	<0.5	0.6	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-7	06/22/1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	08/09/1990	<0.5	-	-	-	7.7	<0.5	3.3	8.4	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-7	11/13/1990	<0.5	-	<0.5	<0.5	3.0	<0.5	0.6	4.0	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-7	05/15/1991	<0.5	-	<0.5	<0.5	2.0	<0.5	2.0	3.0	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-7	08/27/1991	<0.5	-	-	<0.5	2.8	<0.5	0.7	2.7	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-7	11/15/1991	<0.5	-	<0.5	<0.5	2.7	<0.5	0.8	3.1	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	02/20/1992	<0.5	-	<0.5	<0.5	1.9	<0.5	2.2	3.3	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-7	06/15/1992	<0.5	-	<0.5	<0.5	1.8	<0.5	1.1	4.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-7	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/17/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/07/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	11/30/1994[10]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	01/17/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/22/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/27/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/28/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/30/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	02/28/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/27/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/13/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/16/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/20/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/08/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												*ADDITIONAL VOCS*							*GENERAL CHEMISTRY*		
Location	Date	*1,1-DCE*	*MC*	*t-1,2-DCE*	*c-1,2-DCE*	*Chloroform*	*1,1,1-TCA*	*Carbon Tet*	*1,2-DCA*	*TCE*	*1,2-DCP*	*1,2-DCE*	*PCE*	*Naphthalene*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*	*EDB*	*Methane*	*Nitrate (as N)*	*Sulfate*
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	02/16/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	08/25/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/09/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/29/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/27/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/18/2000[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/27/2001[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/05/2001[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/15/2002[3,11]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/14/2002[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/26/2003[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/02/2003[6,7]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.8	<1	-	-	-
MW-7	03/29/2004[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	11	<1	<1	-	<0.8	-	<50	9	<0.5	<0.5	<0.5	2	-	-	-
MW-7	09/03/2004[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-7	03/02/2005[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-7	09/22/2005[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-7	03/30/2006[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-7	08/28/2006[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-7	03/05/2007[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-7	09/24/2007[6]	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-7	09/25/2007[13]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	04/23/1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	04/24/1989[1]	-	-	-	-	2.0/3.0	<1.0/<1.	2.0/2.0	<1.0/<1.	<1.0/<1.	-	4.0/3.0	6.0/6.0	-	-	-	-	-	-	-	-	-	-
MW-8	07/28/1989	-	-	<0.2	3.8	2.0	<0.2	2.3	<0.2	<0.2	-	-	5.6	-	-	-	-	-	-	-	-	-	-
MW-8	10/30/1989	-	-	-	-	2.6	<0.5	2.5	<0.5	<0.5	-	5.5	8.0	-	-	-	-	-	-	-	-	-	-
MW-8	01/09/1990	-	-	-	-	3.9	<0.5	4.9	<0.5	0.9	-	6.6	19	-	-	-	-	-	-	-	-	-	-
MW-8	04/18/1990	<0.5	-	-	-	2.8	<0.5	3.8	<0.5	0.6	<0.5	5.7	17	-	-	-	-	-	-	-	-	-	-
MW-8	06/22/1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	08/09/1990	<0.5	-	-	-	4.4	<0.5	5.3	<0.5	1.2	<0.5	9.2	27	-	-	-	-	-	-	-	-	-	-
MW-8	11/13/1990	<0.5	-	<0.5	6.0	2.0	<0.5	3.0	<0.5	0.7	<0.5	-	21	-	-	-	-	-	-	-	-	-	-
MW-8	05/15/1991	<0.5	-	<0.5	6.0	2.0	<0.5	2.0	<0.5	0.9	<0.5	-	30	-	-	-	-	-	-	-	-	-	-
MW-8	08/27/1991	<0.5	-	-	4.7	1.1	<0.5	1.4	<0.5	1.0	<0.5	-	32	-	-	-	-	-	-	-	-	-	-
MW-8	11/15/1991	2.0	-	<0.5	5.8	1.9	<0.5	1.5	<0.5	<0.5	2.0	-	50	-	-	-	-	-	-	-	-	-	-
MW-8	02/20/1992	<0.5	-	<0.5	7.6	2.3	<0.5	1.3	<0.5	2.4	<0.5	-	68	-	-	-	-	-	-	-	-	-	-
MW-8	06/15/1992	<0.5	-	<0.5	5.6	1.9	<0.5	0.7	-	1.6	<0.5	-	46	-	-	-	-	-	-	-	-	-	-
MW-8	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/28/1993[12]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	06/22/1990	<0.5	-	<0.5	-	8.9	<0.5	9.6	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-10	08/09/1990	<0.5	-	-	-	7.8	<0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
MW-10	11/13/1990	<0.5	-	<0.5	<0.5	4.0	<0.5	5.0	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												*ADDITIONAL VOCS*								*GENERAL CHEMISTRY*		
Location	Date	*1,1-DCE*	*MC*	*t-1,2-DCE*	*c-1,2-DCE*	*Chloroform*	*1,1,1-TCA*	*Carbon Tet*	*1,2-DCA*	*TCE*	*1,2-DCP*	*1,2-DCE*	*PCE*	*Naphthalene*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*	*EDB*	*Methane*	*Nitrate (as N)*	*Sulfate*
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	05/15/1991	<0.5	-	<0.5	<0.5	4.0	<0.5	5.0	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-10	08/27/1991	<0.5	-	-	<0.5	3.4	<0.5	6.9	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-10	11/15/1991	<0.5	-	<0.5	<0.5	3.3	<0.5	2.7	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-10	02/20/1992	<0.5	-	<0.5	<0.5	3.4	<0.5	3.3	<0.5	<0.5	<0.5	-	3.0	-	-	-	-	-	-	-	-	-	-
MW-10	06/15/1992	<0.5	-	<0.5	<0.5	2.9	<0.5	4.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
MW-10	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/24/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	12/17/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	06/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/07/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	11/30/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/22/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/23/1995[12]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	06/22/1990	<0.5	-	<0.5	8.9	6.5	<0.5	4.6	<0.5	1.3	<0.5	-	73	-	-	-	-	-	-	-	-	-	-
MW-11	08/09/1990	<0.5	-	-	-	6.8	<0.5	8.1	<0.5	2.0	<0.5	4.6	84	-	-	-	-	-	-	-	-	-	-
MW-11	11/13/1990	<0.5	-	<0.5	2.0	<0.5	5	<0.5	<0.5	<0.5	<0.5	-	39	-	-	-	-	-	-	-	-	-	-
MW-11	05/15/1991	<0.5	-	<0.5	2.0	3.0	<0.5	1.0	<0.5	0.5	<0.5	-	7	-	-	-	-	-	-	-	-	-	-
MW-11	08/27/1991	<0.5	-	-	2.4	3.3	<0.5	4.1	<0.5	1.0	<0.5	-	73	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-11	11/15/1991	<0.5	-	<0.5	2.3	3.6	<0.5	3.3	<0.5	0.9	<0.5	-	64	-	-	-	-	-	-	-	-	-	-
MW-11	02/20/1992	<2.5	-	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	-	62	-	-	-	-	-	-	-	-	-	-
MW-11	06/15/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	12/17/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	03/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	06/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	06/17/1994[12]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	06/22/1990	<0.5	-	<0.5	13	7.3	<0.5	6.0	<0.5	<0.5	<0.5	-	7.4	-	-	-	-	-	-	-	-	-	-
MW-12	08/09/1990	<0.5	-	-	-	7.0	<0.5	8.0	<0.5	<0.5	<0.5	5.8	6.7	-	-	-	-	-	-	-	-	-	-
MW-12	11/13/1990	<0.5	-	<0.5	3.0	<0.5	3.0	<0.5	<0.5	<0.5	<0.5	-	9.0	-	-	-	-	-	-	-	-	-	-
MW-12	05/15/1991	<0.5	-	<0.5	3.0	4.0	<0.5	4.0	<0.5	<0.5	<0.5	-	10	-	-	-	-	-	-	-	-	-	-
MW-12	08/27/1991	<0.5	-	-	2.3	2.6	<0.5	3.1	<0.5	<0.5	<0.5	-	10	-	-	-	-	-	-	-	-	-	-
MW-12	11/15/1991	<0.5	-	<0.5	5.9	3.5	<0.5	1.9	<0.5	<0.5	<0.5	-	8.9	-	-	-	-	-	-	-	-	-	-
MW-12	02/20/1992	<0.5	-	<0.5	<0.5	3.4	<0.5	3.3	<0.5	<0.5	<0.5	-	3.7	-	-	-	-	-	-	-	-	-	-
MW-12	06/15/1992	<0.5	-	<0.5	4.5	3.7	<0.5	2.2	<0.5	<0.5	<0.5	-	13	-	-	-	-	-	-	-	-	-	-
MW-12	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-12	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	09/28/1993[12]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	11/15/1991	<0.5	-	<0.5	<0.5	5.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	33	-	-	-	-	-	-	-	-	-	-
MW-14	02/20/1992	<0.5	-	<0.5	<0.5	4.3	<0.5	<0.5	<0.5	<0.5	<0.5	-	38	-	-	-	-	-	-	-	-	-	-
MW-14	06/15/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	09/28/1993[12]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/03/1988	-	-	<1.0	-	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	<1.0	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/10/1989	-	-	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	-	-	-	-	-	-	-	-	-	-
Trip Blank	04/24/1989	-	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0	-	-	-	-	-	-	-	-	-	-
Trip Blank	07/28/1989	-	-	-	<0.1	<0.5	<0.1	<0.1	<0.1	<0.5	-	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
Trip Blank	10/30/1989	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	01/09/1990	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	04/18/1990	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/22/1990	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trip Blank	08/09/1990	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/13/1990	<0.5	-	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	05/15/1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/27/1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/15/1991	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/20/1992	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/15/1992	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/17/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/07/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/30/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	01/17/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/22/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/27/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/28/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/30/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/28/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

		VOCS												ADDITIONAL VOCS							GENERAL CHEMISTRY		
Location	Date	1,1-DCE	MC	t-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE	Naphthalene	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	Methane	Nitrate (as N)	Sulfate
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trip Blank	06/27/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/13/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/16/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/20/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/08/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/16/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/25/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/09/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/29/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/27/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/18/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/27/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/05/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX D

TREND GRAPHS AND DEGRADATION CALCULATIONS

Table A - Summary of Degradation Rate Calculations
Former Chevron Station 9-0020, 1633 Harrison Street, Oakland, California

Well	Analyte	Maximum Concentration (ug/L)	Current Concentration (ug/L)	Half-Life (years)	Date to Reach WQO	Years to Reach WQO
Former Well MW-7	TPHg	11,000	1,700	5.03	Dec 2010	Reached
	Benzene	810	76	15.26	Apr 2048	34
MW-9	TPHg	9,900	430	6.38	Mar 2024	11
	Benzene	380	<0.5	2.71	Reached	Reached
MW-16	TPHg	10,000	9,100	NA	Stable	Stable
	Benzene	770	18	3.01	Jan 2028	14
MW-17	TPHg	24,000	18,000	NA	Stable	Stable
	Benzene	220	110	NA	Stable	Stable

Notes:
ug/L = Micrograms per Liter
WQO = Water Quality Objective

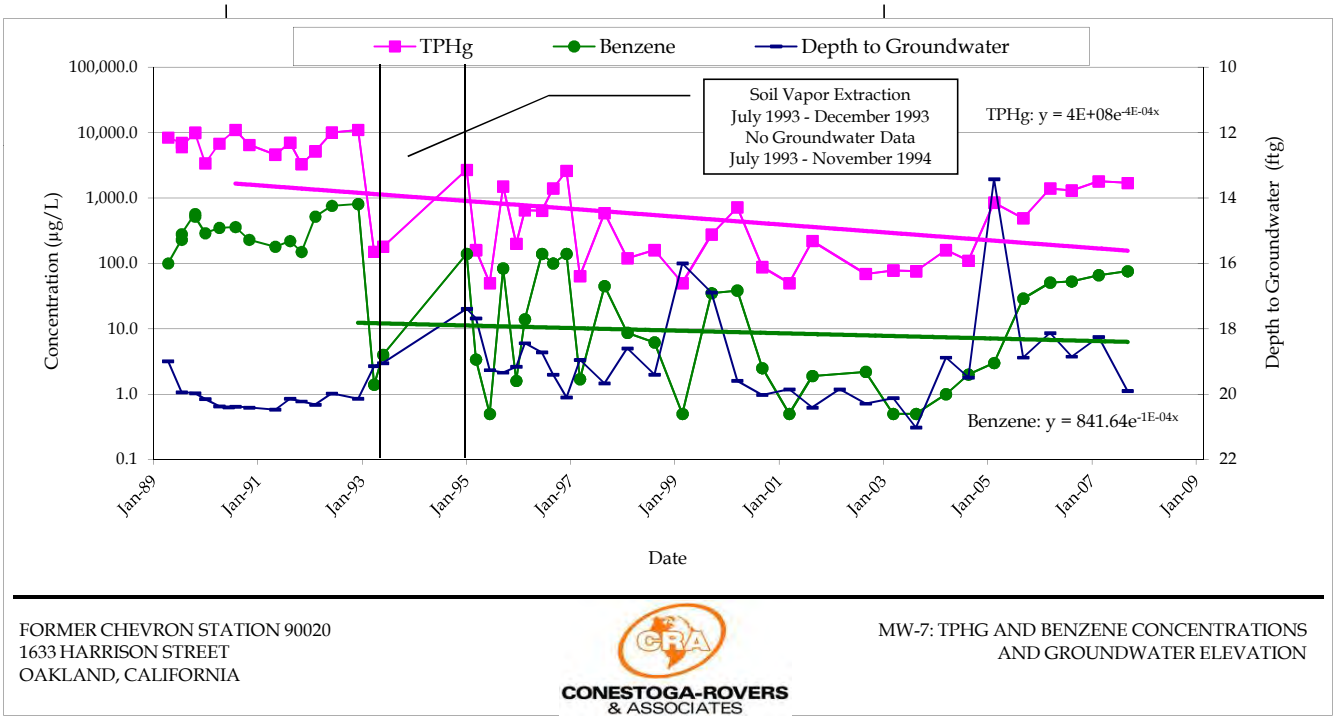
Predicted Time to Reach Water Quality Objectives in Former Well MW-7

Former Chevron Station 90020, 1633 Harrison Street, Oakland, California

$y = b\,e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Given				
Water Quality Objective (WQO):		y	100	1
Constant:		b	4.43E+08	8.42E+02
Constant:		a	-3.78E-04	-1.24E-04
Starting date for current trend:			8/9/1990	12/16/1992
Calculate				
Attenuation Half Life (years):	(-ln(2)/a)/365.25		5.03	15.26
Estimated Date to Reach WQO:	(x = ln(y/b) / a)		Dec 2010	Apr 2048



FORMER CHEVRON STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-7: TPHG AND BENZENE CONCENTRATIONS AND GROUNDWATER ELEVATION

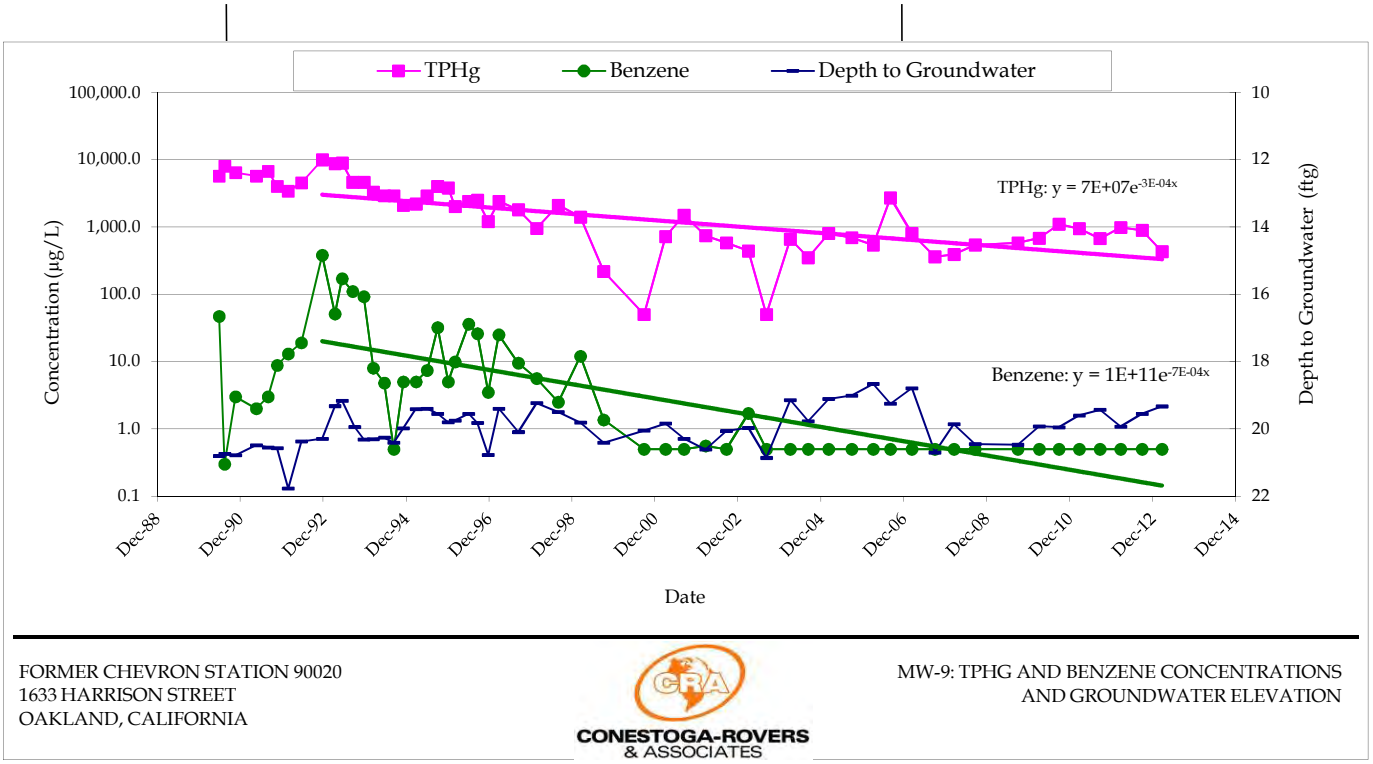
Predicted Time to Reach Water Quality Objectives in Well MW-9

Former Chevron Station 90020, 1633 Harrison Street, Oakland, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Given			
Water Quality Objective (WQO):	y	100	1
Constant:	b	7.33E+07	1.00E+11
Constant:	a	-2.98E-04	-7.00E-04
Starting date for current trend:		12/16/1992	12/16/1992
Calculate			
Attenuation Half Life (years):	(-ln(2)/a)/365.25	6.38	2.71
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Mar 2024	Jan 1999



FORMER CHEVRON STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-9: TPHG AND BENZENE CONCENTRATIONS AND GROUNDWATER ELEVATION

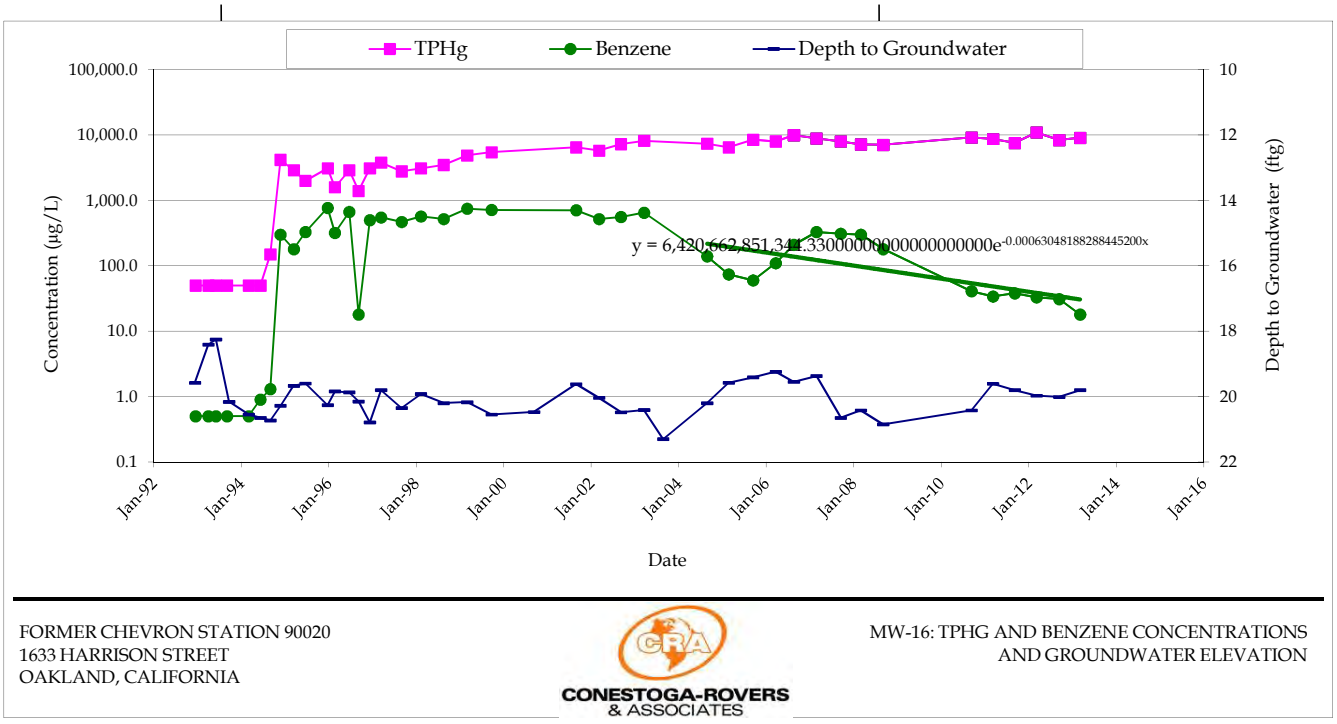
Predicted Time to Reach Water Quality Objectives in Well MW-16

Former Chevron Station 90020, 1633 Harrison Street, Oakland, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Given				
Water Quality Objective (WQO):		y	100	1
Constant:		b	NA	6.42E+12
Constant:		a	NA	-6.30E-04
Starting date for current trend:			8/28/2006	12/30/1995
Calculate				
Attenuation Half Life (years):	(-ln(2)/a)/365.25		NA	3.01
Estimated Date to Reach WQO:	(x = ln(y/b) / a)		Stable	Jan 2028



FORMER CHEVRON STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-16: TPHG AND BENZENE CONCENTRATIONS AND GROUNDWATER ELEVATION

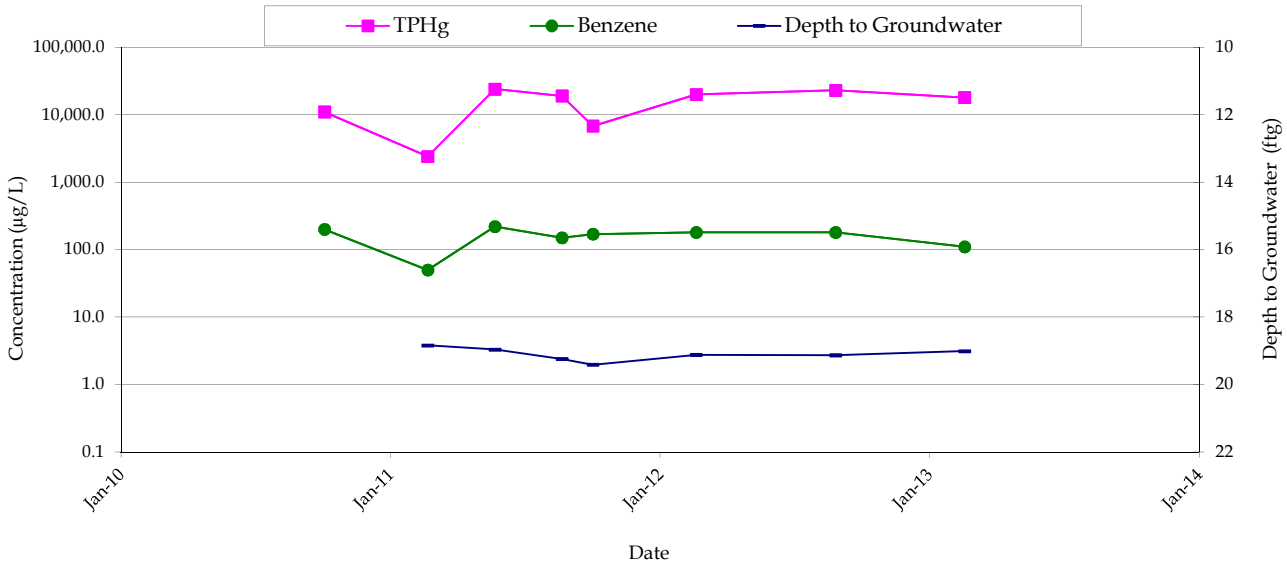
Predicted Time to Reach Water Quality Objectives in Well MW-17

Former Chevron Station 90020, 1633 Harrison Street, Oakland, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L, a = decay constant
b = concentration at time (x), x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Given				
Water Quality Objective (WQO):		y	100	1
Constant:		b	NA	NA
Constant:		a	NA	NA
Starting date for current trend:			10/30/2010	10/30/2010
Calculate				
Attenuation Half Life (years):	(-ln(2)/a)/365.25		NA	NA
Estimated Date to Reach WQO:	(x = ln(y/b) / a)		Stable	Stable



FORMER CHEVRON STATION 90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-17: TPHG AND BENZENE CONCENTRATIONS AND GROUNDWATER ELEVATION

APPENDIX E

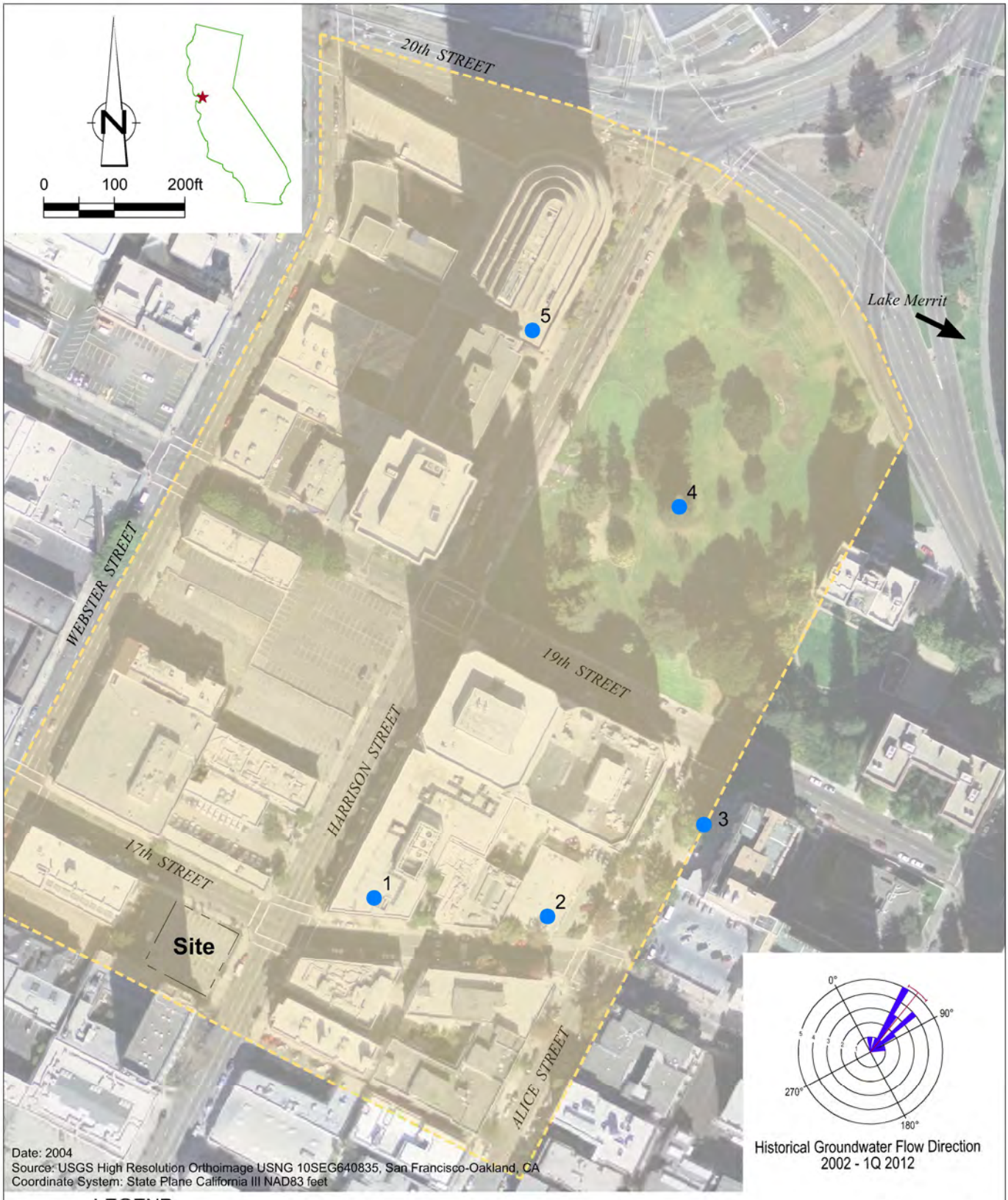
SENSITIVE RECEPTOR SURVEY TABLES AND MAP

TABLE 1

SENSITIVE RECEPTOR SURVEY DATA
FORMER CHEVRON SERVICE STATION #90020
1633 HARRISON STREET
OAKLAND, CALIFORNIA

Map ID	*Facility ID*	*Approximate Location/Street Address*	*Location Relative to Site Groundwater Flow**	*Approximate Distance From Former USTs*
1	Kaiser Permanente Regional Offices (underground parking structure)	1800 Harrison Street, Oakland	Downgradient	200
2	OUSD-Alice Child Care Center	250 17th Street, Oakland	Downgradient	450
3	Lake Park Retirement Residence	1850 Alice Street, Oakland	Downgradient	650
4	Snow Park	19th and Harrison Street, Oakland	Downgradient	840
5	Lake Merritt Plaza (underground parking structure)	1999 Harrison Street, Oakland	Crossgradient	1,000

Note:
* Recent groundwater elevations indicate flow to the northeast.
OUSD - Oakland unifed school district



LEGEND

- SENSITIVE RECEPTOR
- SENSITIVE RECEPTOR SURVEY COMPLETED FOR A TWO BLOCK DISTANCE DOWN GRADIENT FROM SITE

Figure 3

SENSITIVE RECEPTOR SURVEY
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET
Oakland, California

311956-95(017)GN-EM003 SEPT 13/2012

TABLE 2
WATER SUPPLY WELLS
FORMER CHEVRON SERVICE STATION 90020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Address	City	Owner	Use	Distance (Feet)	Direction
2100 Harrison Street	Oakland	Ahmanson Commercial Development	Irrigation	1,900	Northeast (Downgradient)
244 LAKESIDE	Oakland	Ladeside Corp (BECHTEL)	Irrigation	1,000	Northeast (Downgradient)
125 12th Street	Oakland	Western Union	Domestic	2,100	Southeast (Crossgradient)
2100 Harrison Street	Oakland	Ahmanson Commercial Development	Domestic	1,900	Northeast (Downgradient)

APPENDIX F

SWRCB LOW-THREAT POLICY EVALUATION

Site Name: Former Chevron Station 90020
Site Address: 1633 Harrison Street, Oakland, California

Site meets the criteria of the Low-Threat Underground Storage Tank (UST) Case Closure Policy as described below.[1]

General Criteria General criteria that must be satisfied by all candidate sites:	
Is the unauthorized release located within the service area of a public water system?	☒ Yes ☐ No
Does the unauthorized release consist only of petroleum?	☒ Yes ☐ No
Has the unauthorized ("primary") release from the UST system been stopped?	☒ Yes ☐ No
Has free product been removed to the maximum extent practicable?	☒ Yes ☐ No ☐ NA
Has a conceptual site model that assesses the nature, extent, and mobility of the release been developed?	☒ Yes ☐ No
Has secondary source been removed to the extent practicable?	☒ Yes ☐ No
Has soil or groundwater been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15?	☒ Yes ☐ No
Does nuisance as defined by Water Code section 13050 exist at the site?	☐ Yes ☒ No
Are there unique site attributes or site-specific conditions that demonstrably increase the risk associated with residual petroleum constituents?	☐ Yes ☒ No
Media-Specific Criteria Candidate sites must satisfy all three of these media-specific criteria: **1. Groundwater:** To satisfy the media-specific criteria for groundwater, the contaminant plume that exceeds water quality objectives must be stable or decreasing in areal extent, and meet all of the additional characteristics of one of the five classes of sites:	
Is the contaminant plume that exceeds water quality objectives stable or decreasing in areal extent?	☒ Yes ☐ No ☐ NA
Does the contaminant plume that exceeds water quality objectives meet all of the additional characteristics of one of the five classes of sites? If YES, check applicable class: ☐ **1** ☐ **2** ☐ **3** ☐ **4** ☒ **5**	☒ Yes ☐ No ☐ NA

[1] Refer to the Low-Threat Underground Storage Tank Case Closure Policy for closure criteria for low-threat petroleum UST sites.

For sites with releases that have not affected groundwater, do mobile constituents (leachate, vapors, or light non-aqueous phase liquids) contain sufficient mobile constituents to cause groundwater to exceed the groundwater criteria?	☐ Yes ☐ No ☒ NA
2. Petroleum Vapor Intrusion to Indoor Air: The site is considered low-threat for vapor intrusion to indoor air if site-specific conditions satisfy all of the characteristics of one of the three classes of sites (a through c) or if the exception for active commercial fueling facilities applies. **Is the site an active commercial petroleum fueling facility?** Exception: Satisfaction of the media-specific criteria for petroleum vapor intrusion to indoor air is not required at active commercial petroleum fueling facilities, except in cases where release characteristics can be reasonably believed to pose an unacceptable health risk. **a. Do site-specific conditions at the release site satisfy all of the applicable characteristics and criteria of scenarios 1 through 3 or all of the applicable characteristics and criteria of scenario 4?** If YES, check applicable scenarios: ☐ **1** ☐ **2** ☐ **3** ☒ **4** **b. Has a site-specific risk assessment for the vapor intrusion pathway been conducted and demonstrates that human health is protected to the satisfaction of the regulatory agency?** **c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, has the regulatory agency determined that petroleum vapors migrating from soil or groundwater will have no significant risk of adversely affecting human health?**	☐ Yes ☒ No ☒ Yes ☐ No ☐ NA ☐ Yes ☐ No ☒ NA ☐ Yes ☐ No ☒ NA
3. Direct Contact and Outdoor Air Exposure: The site is considered low-threat for direct contact and outdoor air exposure if site-specific conditions satisfy one of the three classes of sites (a through c). **a. Are maximum concentrations of petroleum constituents in soil less than or equal to those listed in Table 1 for the specified depth below ground surface (bgs)?** **b. Are maximum concentrations of petroleum constituents in soil less than levels that a site specific risk assessment demonstrates will have no significant risk of adversely affecting human health?** **c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, has the regulatory agency determined that the concentrations of petroleum constituents in soil will have no significant risk of adversely affecting human health?**	☒ Yes ☐ No ☐ NA ☐ Yes ☐ No ☒ NA ☐ Yes ☐ No ☒ NA