

**ExxonMobil**  
**Environmental Services Company**  
4096 Piedmont Avenue #194  
Oakland, California 94611  
510 547 8196 Telephone  
510 547 8706 Facsimile

**Jennifer C. Sedlachek**  
Project Manager

**ExxonMobil**

September 21, 2012

Ms. Barbara Jakub, P.G.  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Room 250  
Alameda, California 94502-6577

**RECEIVED**

**9:22 am, Sep 27, 2012**

Alameda County  
Environmental Health

**RE: Former Exxon RAS #70238/2200 East 12<sup>th</sup> Street, Oakland California.**

Dear Ms. Jakub:

Attached for your review and comment is a copy of the letter report entitled *Well Destruction Report*, dated September 21, 2012, for the above-referenced site. The report was prepared by Cardno ERI of Petaluma, California, and details activities at the subject site.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,



Jennifer C. Sedlachek  
Project Manager

Attachment: Cardno ERI's *Well Destruction Report*, dated September 21, 2012

cc: w/ attachment  
Mr. Shay Wideman, The Valero Companies, Environmental Liability Management  
  
w/o attachment  
Mr. Vince T. Battaglia, Cardno ERI



Cardno ERI  
License A/C10-611383

601 N McDowell Boulevard  
Petaluma, CA 94954  
USA

**Phone 707 766 2000**  
Toll-free 800 382 9105  
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**www.cardnoeri.com**

September 21, 2012  
Cardno ERI 2293C.R26

Ms. Jennifer C. Sedlachek  
ExxonMobil Environmental Services  
4096 Piedmont Avenue, #194  
Oakland, California 94611

**SUBJECT Well Destruction Report**  
Former Exxon Service Station 70238  
2200 East 12<sup>th</sup> Street, Oakland, California

Ms. Sedlachek:

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno ERI prepared this report documenting the destruction of five on-site groundwater monitoring wells (MW9A through MW9D and MW9I), three off-site monitoring wells (MW9F through MW9H), four on-site DPE wells (DPE1 through DPE4), and two vapor wells (VP1 and VP2). Cardno ERI performed the field work in response to letters issued by the Alameda County Environmental Health Services (ACEH), dated January 20, 2012 and February 21, 2012 (Appendix A).

## **SITE DESCRIPTION**

The site is located on the eastern corner of 22<sup>nd</sup> Avenue and East 12<sup>th</sup> Street in Oakland, California (Plate 1). Land use in the vicinity of the site is mixed-use commercial/industrial and residential. The site is currently owned and operated by Mr. Stanley Wong and Mr. Aaron Wong as a Valero-branded service station. The locations of the former and current USTs, dispenser islands, groundwater monitoring wells, and select site features are shown on Plate 2. Groundwater monitoring has been conducted at the site since June 1988.

Australia • Belgium • Canada • Ecuador • Germany • Indonesia • Italy • Kenya •  
New Zealand • Papua New Guinea • Peru • Tanzania • United Arab Emirates •  
United Kingdom • United States • Operations in 85 countries

September 21, 2012  
Cardno ERI 2293C.R26 Former Exxon Service Station 70238, Oakland, California

## **FIELD ACTIVITIES**

Field activities were conducted under the advisement of a State of California professional geologist and in accordance with Cardno ERI's site-specific health and safety plan and well destruction field protocol (Appendix B). Well construction details are summarized on Table 1. Copies of boring logs for wells MW9A through MW9D, MW9F through MW9I, VP1, VP2, and DPE1 through DPE4 are included in Appendix C.

### **Pre-Field Activities**

Prior to field activities, Cardno ERI obtained well destruction permits from the Alameda County Public Works Agency (the County) and minor encroachment permits from the City of Oakland (City) (Appendix D). The property owners were notified at least one week prior to the start of field work. Underground Service Alert, the County, and the City, were notified at least 48 hours prior to the onset of field activities. On May 15 and July 19, 2012, Cardno ERI observed OHJ Locating, survey the area around each well for underground utilities.

### **Well Destruction Activities**

On May 22, 2012, Cardno ERI and Ms. Vicky Hamlin, a representative from the County, observed Woodward Drilling Company (Woodward), of Rio Vista, California remove the well vaults from on-site wells MW9A through MW9D, MW9I, VP1, VP2, and DPE1 through DPE4. The County directed Woodward to tremie grout the on-site wells.

Cardno ERI observed Woodward tremie grout to the bottom of the well, allowing the sealing material to spill over the top of casing. The remaining hole was backfilled with concrete. The surface was patched to match surrounding conditions. All well vaults and destruction debris was removed from the site by Woodward.

On July 25, 2012, Cardno ERI observed Rob Osborne Concrete saw cut an area approximately 24-inch by 24-inch by 8-inch area surrounding off-site wells MW9F through MW9H. Cardno ERI and a representative from the County and City, observed Woodward jackhammer and clear the concrete surrounding the wells. Each well was tremie grouted to just below grade and the well vault casings were removed. The remaining hole was backfilled with concrete. The surface was patched to match surrounding conditions.

### **Waste Management Plan**

The drilling sludge and rinsate water generated during well destruction activities was temporarily stored on site in DOT-approved, sealed, 55-gallon drums. On September 5, 2012, one drum of sludge was transported to Crosby 7 Overton, in Long Beach, California, for disposal. Disposal documentation is included in Appendix E.

### **CONCLUSIONS**

Eleven on-site wells (MW9A through MW9D, MW9I, DPE1 through DPE4, VP1, and VP2) and three off-site wells (MW9F through MW9H) have been destroyed by a C-57 licensed well driller under the observation of representatives from the County and the City and under the supervision of a registered professional geologist.

### **CONTACT INFORMATION**

The responsible party contact is Ms. Jennifer C. Sedlachek, ExxonMobil Environmental Services, 4096 Piedmont Avenue #194, Oakland, California, 94611. The consultant contact is Mr. Vincent T. Battaglia, Cardno ERI, 601 N. McDowell Boulevard, Petaluma, California, 94954. The agency contact is Ms. Barbara Jakub, P.G., Alameda County Health Care Services Agency, Department of Environmental Health, 1131 Harbor Bay Parkway, Room 250, Alameda, California, 94502-6577

### **LIMITATIONS**

For any documents cited that were not generated by Cardno ERI, the data taken from those documents is used "as is" and is assumed to be accurate. Cardno ERI does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these documents.

This document was prepared in accordance with generally accepted standards of environmental, geological, and engineering practices in California at the time of investigation. No soil engineering or geotechnical references are implied or should be inferred. The evaluation of the geologic conditions at the site for this investigation is made from a limited number of data points. Subsurface conditions may vary away from these data points.

September 21, 2012  
Cardno ERI 2293C.R26 Former Exxon Service Station 70238, Oakland, California

Please contact Mr. Vincent A. Battaglia, Cardno ERI's project manager for this site, at [vincent.battaglia@cardno.com](mailto:vincent.battaglia@cardno.com) or at (707) 766-2000 with any questions regarding this report.

Sincerely,

SCANNED  
IMAGE

Nadya M. Vicente  
Staff Geologist  
for Cardno ERI  
707 766 2000  
Email: [nadya.vicente@cardno.com](mailto:nadya.vicente@cardno.com)

SCANNED  
IMAGE

Heidi L. Dieffenbach-Carle  
P.G. 6793  
for Cardno ERI  
707 766 2000  
Email: [david.daniels@cardno.com](mailto:david.daniels@cardno.com)



cc: Ms. Barbara Jakub, P.G., Alameda County Health Care Services Agency, Department of Environmental Health, 1131 Harbor Bay Parkway, Room 250, Alameda, California, 94502-6577

Mr. Shay Wideman, The Valero Companies, Environmental Liability Management, P.O. Box 696000, San Antonio, Texas, 78269

September 21, 2012  
Cardno ERI 2293C.R26 Former Exxon Service Station 70238, Oakland, California

Enclosures:

References

Acronym List

Plate 1 Site Vicinity Map

Plate 2 Generalized Site Plan

Table 1 Well Construction Details

Appendix A Correspondence

Appendix B Field Protocol

Appendix C Boring Logs

Appendix D Permits

Appendix E Waste Documentation

September 21, 2012  
Cardno ERI 2293C.R26 Former Exxon Service Station 70238, Oakland, California

## REFERENCES

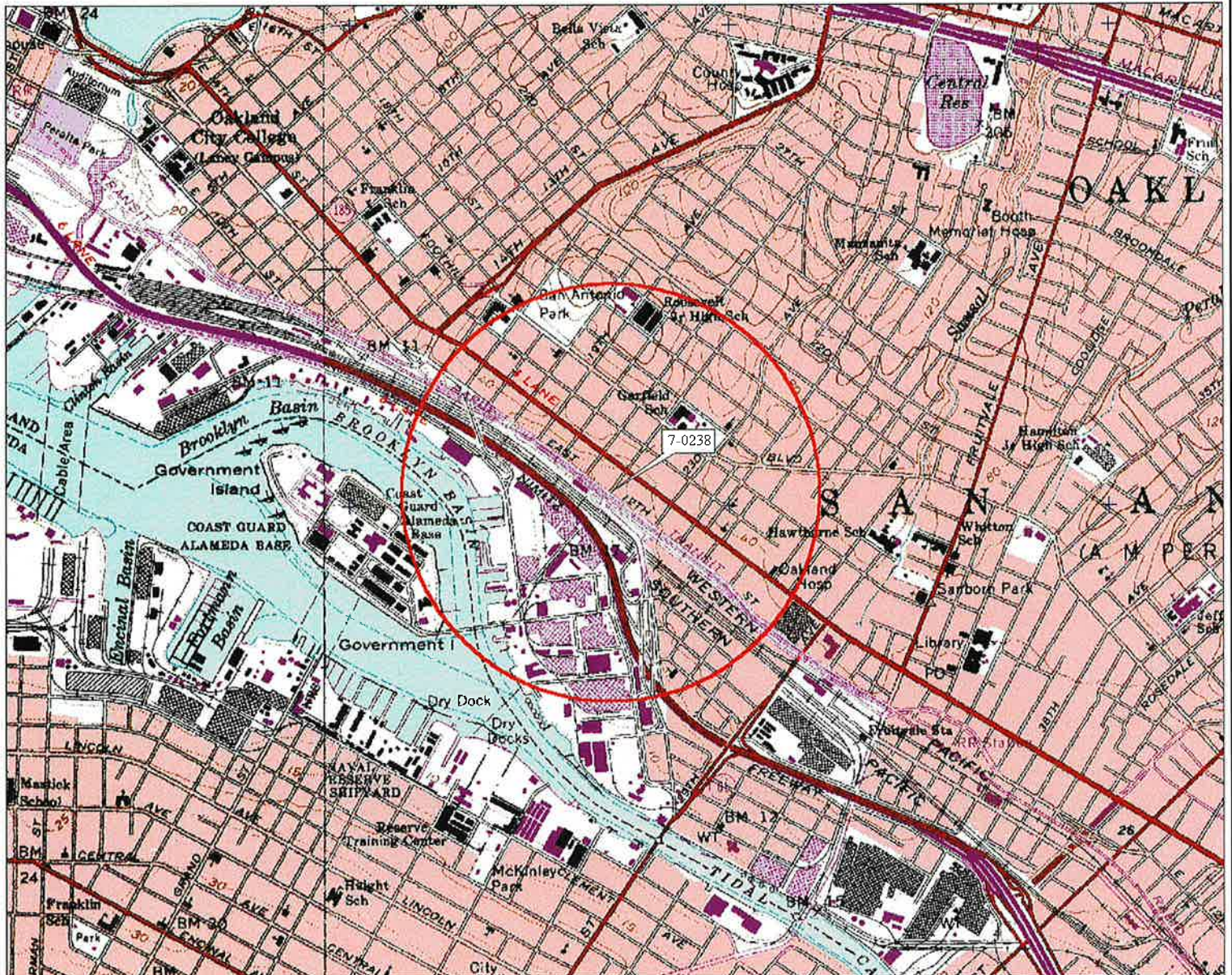
Environmental Resolutions, Inc. (ERI). September 26, 2007. *Soil and Groundwater Assessment Report, Former Exxon Service Station 7-0238, 2200 East 12<sup>th</sup> Street, Oakland, California.*

September 21, 2012  
 Cardno ERI 2293C.R26 Former Exxon Service Station 70238, Oakland, California

## ACRONYM LIST

µg/L	Micrograms per liter	NEPA	National Environmental Policy Act
µs	Microsiemens	NGVD	National Geodetic Vertical Datum
1,2-DCA	1,2-dichloroethane	NPDES	National Pollutant Discharge Elimination System
acfm	Actual cubic feet per minute	O&M	Operations and Maintenance
AS	Air sparge	ORP	Oxidation-reduction potential
bgs	Below ground surface	OSHA	Occupational Safety and Health Administration
BTEX	Benzene, toluene, ethylbenzene, and total xylenes	OVA	Organic vapor analyzer
CEQA	California Environmental Quality Act	P&ID	Process & Instrumentation Diagram
cfm	Cubic feet per minute	PAH	Polycyclic aromatic hydrocarbon
COC	Chain of Custody	PCB	Polychlorinated biphenyl
CPT	Cone Penetration (Penetrometer) Test	PCE	Tetrachloroethene or perchloroethylene
DIPE	Di-isopropyl ether	PID	Photo-ionization detector
DO	Dissolved oxygen	PLC	Programmable logic control
DOT	Department of Transportation	POTW	Publicly owned treatment works
DPE	Dual-phase extraction	ppmv	Parts per million by volume
DTW	Depth to water	PQL	Practical quantitation limit
EDB	1,2-dibromoethane	psi	Pounds per square inch
EPA	Environmental Protection Agency	PVC	Polyvinyl chloride
ESL	Environmental screening level	QA/QC	Quality assurance/quality control
ETBE	Ethyl tertiary butyl ether	RBSL	Risk-based screening levels
FID	Flame-ionization detector	RCRA	Resource Conservation and Recovery Act
fpm	Feet per minute	RL	Reporting limit
GAC	Granular activated carbon	scfm	Standard cubic feet per minute
gpd	Gallons per day	SSTL	Site-specific target level
gpm	Gallons per minute	STLC	Soluble threshold limit concentration
GWPTS	Groundwater pump and treat system	SVE	Soil vapor extraction
HVOC	Halogenated volatile organic compound	SVOC	Semivolatile organic compound
J	Estimated value between MDL and PQL (RL)	TAME	Tertiary amyl methyl ether
LEL	Lower explosive limit	TBA	Tertiary butyl alcohol
LPC	Liquid-phase carbon	TCE	Trichloroethene
LRP	Liquid-ring pump	TOC	Top of well casing elevation; datum is msl
LUFT	Leaking underground fuel tank	TOG	Total oil and grease
LUST	Leaking underground storage tank	TPHd	Total petroleum hydrocarbons as diesel
MCL	Maximum contaminant level	TPHg	Total petroleum hydrocarbons as gasoline
MDL	Method detection limit	TPHmo	Total petroleum hydrocarbons as motor oil
mg/kg	Milligrams per kilogram	TPHs	Total petroleum hydrocarbons as stoddard solvent
mg/L	Milligrams per liter	TRPH	Total recoverable petroleum hydrocarbons
mg/m <sup>3</sup>	Milligrams per cubic meter	UCL	Upper confidence level
MPE	Multi-phase extraction	USCS	Unified Soil Classification System
MRL	Method reporting limit	USGS	United States Geologic Survey
msl	Mean sea level	UST	Underground storage tank
MTBE	Methyl tertiary butyl ether	VCP	Voluntary Cleanup Program
MTCA	Model Toxics Control Act	VOC	Volatile organic compound
NAI	Natural attenuation indicators	VPC	Vapor-phase carbon
NAPL	Non-aqueous phase liquid		





3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 550 ft Scale: 1 : 19,200 Detail: 13.0 Datum: WGS84

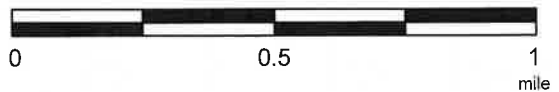
FN 2293TOPO

**EXPLANATION**



1/2-mile radius circle

**APPROXIMATE SCALE**



SOURCE:  
Modified from a map  
provided by  
DeLorme 3-D TopoQuads



**SITE VICINITY MAP**

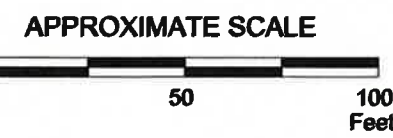
FORMER EXXON SERVICE STATION 70238  
2200 East 12th Street  
Oakland, California

PROJECT NO.

2293

PLATE

1



FN 2293 12 R26 GSP\_SP

SOURCE:  
Modified from a map  
provided by  
Morrow Surveying



**GENERALIZED SITE PLAN**  
**FORMER EXXON SERVICE STATION 70238**  
2200 East 12th Street  
Oakland, California

**EXPLANATION**

- MW9H Groundwater Monitoring Well
- TP2 Observation Well
- DPE4 Destroyed Dual-Phase Extraction Well
- VP2 Destroyed Soil Vapor Extraction Well
- SB11 Soil Boring
- MW9I Destroyed Groundwater Monitoring Well
- DP6 Direct Push Boring
- HP6 Hydropunch Boring
- NOTE:**  
Former Groundwater Monitoring Well MW9E was in the current location of MW9I.
- Excavation

**PROJECT NO.**  
2293  
**PLATE**  
2

**TABLE 1**  
**WELL CONSTRUCTION DETAILS**  
Former Exxon Service Station 70238  
2200 East 12th Street  
Oakland, California

Well ID	Well Installation Date	Well Destruction Date	TOC Elevation (feet)	Borehole Diameter (inches)	Total Depth of Boring (feet bgs)	Well Depth (feet bgs)	Casing Diameter (inches)	Well Casing Material	Screened Interval (feet bgs)	Slot Size (inches)	Filter Pack Interval (feet bgs)	Filter Pack Material
MW9A	06/10/88	05/22/12	14.51	8	18	18	2	PVC	8-18	0.020	NS	NS
MW9B	06/10/88	05/22/12	12.84	8	20	18	2	PVC	8-18	0.020	NS	NS
MW9C	06/10/88	05/22/12	14.16	8	17	18	2	PVC	8-18	0.020	NS	NS
MW9D	10/05/88	05/22/12	15.97	12	16.5	14	4	PVC	5-14	NS	NS	NS
MW9E	10/05/88	05/22/12	NS	12	18.5	14	4	PVC	5-14	NS	NS	NS
MW9F	11/23/88	07/26/12	11.38	8	16	14	4	PVC	4-14	NS	NS	NS
MW9G	11/22/88	07/26/12	12.98	8	16.5	14	4	PVC	5-14	NS	NS	NS
MW9H	11/23/88	07/26/12	11.59	8	16.5	14	4	PVC	5-14	NS	NS	NS
MW9I	11/02/90	05/22/12	13.13	12	16	16	4	NS	4-14	NS	NS	NS
DPE1	06/05/03	05/22/12	NS	10	21	20	4	PVC	5-20	0.020	4-20	#3 Sand
DPE2	06/04/03	05/22/12	NS	10	21	20	4	PVC	5-20	0.020	4-20	#3 Sand
DPE3	06/04/03	05/22/12	NS	10	21	20	4	PVC	5-20	0.020	4-20	#3 Sand
DPE4	06/05/03	05/22/12	NS	10	21	20	4	PVC	5-20	0.020	4-20	#3 Sand
VP1	01/11/01	05/22/12	NS	8	20	20	2	PVC	5-20	0.020	4-20	#3 Sand
VP2	01/11/01	05/22/12	NS	8	20	20	2	PVC	5-20	0.020	4-20	#3 Sand

Notes:

- TOC = Top of well casing elevation; datum is mean sea level.
- PVC = Polyvinyl chloride.
- feet bgs = feet below ground surface.
- NS = Not specified.

**APPENDIX A**  
**CORRESPONDENCE**

ALAMEDA COUNTY  
**HEALTH CARE SERVICES**  
AGENCY  
ALEX BRISCOE, Agency Director



ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

January 20, 2012

Jennifer Sedlachek  
ExxonMobil  
4096 Piedmont, Ave., #194  
Oakland, CA 94611  
(Sent via e-mail to: [jennifer.c.sedlachek@exxonmobil.com](mailto:jennifer.c.sedlachek@exxonmobil.com))

Aaron and Stanley Wong  
Credit Auto  
2200 E. 12<sup>th</sup> St.  
Oakland, CA 94606

Ian Robb  
Chevron Corporation  
6111 Bolinger Canyon Road, Rm 3612  
San Ramon, CA 94583 (Sent via e-mail to: [ianrobb@chevron.com](mailto:ianrobb@chevron.com))

Subject: Landowner Notification and Public Notification for Case Closure Consideration for Fuel Leak Case No. RO0000390 and GeoTracker Global ID T0600101343, Exxon #7-0238, 2200 E. 12<sup>th</sup> Street, Oakland, CA 94606

Dear Ms. Sedlachek, et. al.:

Alameda County Environmental Health (ACEH) has reviewed the fuel case file for the above referenced site for potential case closure and it appears that the site meets the requirements for closure. Site investigation and groundwater monitoring from underground storage tank leaks have been performed at the subject property to which you are named as the primary or active responsible party. Pursuant to Section 25297.15 (a), ACEH, the local agency, shall not consider cleanup or site closure proposals from the primary or active responsible party, issue a closure letter, or make a determination that no further action is required with respect to a site upon which there was an unauthorized release of hazardous substances from an underground storage tank subject to this chapter unless all current record owners of fee title to the site of the proposed action have been notified of the proposed action by the primary or active responsible party. ACEH is required to notify the primary or active responsible party of their requirement to certify in writing to the local agency that the notification requirement in the above-mentioned regulation has been satisfied and to provide the local agency with a complete mailing list of all record fee title owners.

To satisfy the above-mentioned requirement, please complete the enclosed "List of Landowners Form," and mail it back to ACEH within thirty (30) days from the date of this letter. Also your comments must be considered prior to the proposed cleanup or closure. Please respond within 30 days from the date of this letter for your comments to be considered.

ACEH will review the case for possible closure under a commercial land use scenario with the following site management requirements:

*"Case closure for this fuel leak site is granted for the current commercial land use as a gasoline station only. If a change in land use to any other commercial, residential or other conservative land use scenario occurs at this site, Alameda County Environmental Health (ACEH) must be*

Ms. Sedlachek, et al  
RO0000390  
January 20, 2012, Page 2

*notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the case upon receipt of approved development/construction plans.*

*Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party (or current property owner/developer) prior to and during excavation and construction activities. The site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site."*

Pursuant to California Code of Regulations, Title 23, Division 3, Chapter 16, §2728, ACEH requires notification to the public of the proposed case closure for the site. To that end, ACEH has prepared and has sent out the public participation fact sheet (enclosed), which describes the site and previous investigation activities that were conducted to the property addresses listed on the enclosed List of Public Participants. Public comments on the proposed action will be accepted for a period of thirty days beginning Friday January 20, 2012 through Monday February 20, 2012. ACEH will consider all comments from the public prior to potential case closure.

#### **TECHNICAL REPORT REQUEST**

Please submit technical reports to Alameda County Environmental Health (Attention: Barbara Jakub), according to the following schedule:

- **February 20, 2012** – List of Landowners Form

If you have any questions or concerns regarding this correspondence or your case, please call me at (510) 639-1287 or send me an electronic mail message at [barbara.jakub@acgov.org](mailto:barbara.jakub@acgov.org).

Sincerely,



Digitally signed by Barbara J. Jakub  
DN: cn=Barbara J. Jakub, o, ou,  
email=barbara.jakub@acgov.org, c=US  
Date: 2012.01.23 10:41:57 -08'00'

Barbara J. Jakub, P.G.  
Hazardous Materials Specialist

Enclosure:     Public Notification of Site Remediation  
                  Mailing List for Fact Sheet  
                  List of Landowners Form  
                  Responsible Party(ies) Legal Requirements/Obligations  
                  ACEH Electronic Report Upload (ftp) Instructions

cc: Vincent Battaglia, Cardno ERI, 601 North McDowell Blvd., Petaluma, CA 94954-2312 (*Sent via e-mail to: [vincent.battaglia@cardno.com](mailto:vincent.battaglia@cardno.com)*)  
Shay Wideman, The Valero Companies, P.O. Box 969000, San Antonio, TX 78269 (*Sent via e-mail to: [Shay.Wideman@valero.com](mailto:Shay.Wideman@valero.com)*)  
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032  
(*Sent via E-mail to: [lgriffin@oaklandnet.com](mailto:lgriffin@oaklandnet.com)*)  
Donna Drogos, ACEH (*Sent via E-mail to: [donna.drogos@acgov.org](mailto:donna.drogos@acgov.org)*)  
Barbara Jakub, ACEH (*Sent via E-mail to: [barbara.jakub@acgov.org](mailto:barbara.jakub@acgov.org)*)  
GeoTracker, File



ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
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February 21, 2012

Jennifer Sedlachek  
ExxonMobil  
4096 Piedmont, Ave., #194  
Oakland, CA 94611  
(Sent via e-mail to: [jennifer.c.sedlachek@exxonmobil.com](mailto:jennifer.c.sedlachek@exxonmobil.com))

Aaron and Stanley Wong  
Credit Auto  
2200 E. 12<sup>th</sup> St.  
Oakland, CA 94606

Ian Robb  
Chevron Corporation  
6111 Bolinger Canyon Road, Rm 3612  
San Ramon, CA 94583 (Sent via e-mail to: [ianrobb@chevron.com](mailto:ianrobb@chevron.com))

Subject: Monitoring Well Decommissioning for Case Closure of Fuel Leak Case No. RO0000390 Global ID # T0600101343, Exxon #7-0238, 2200 East 12<sup>th</sup> Street, Oakland, CA 94606

Dear Ms. Sedlachek, et. al.:

Alameda County Environmental Health (ACEH) and California Regional Water Quality Control Board staff have reviewed the fuel leak case file and case closure summary for the above-referenced site and concur that no further action related to the underground storage tank fuel release is required at this time. Prior to issuance of a remedial action completion certificate, the monitoring wells at the site must be properly decommissioned, per California Water Code.

ACEH requests that you address the following technical comments, perform the proposed work, and send us the technical report requested below. Upon receipt of the requested document a remedial action completion certificate will be sent to the responsible party.

#### **TECHNICAL COMMENTS**

1. **Well Decommissioning** – ACEH is requesting that you contact Alameda County Public Works Agency at (510) 567-6791, obtain the necessary permits, decommission the wells, and electronically upload the well decommissioning report to ACEH's ftp server and the State Water Resources Control Board's GeoTracker website within ninety (90) days from the date of this letter (April 23, 2012). Electronic reporting is described in detail below.

#### **NOTIFICATION OF FIELDWORK ACTIVITIES**

Please schedule the fieldwork activities and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork.

Ms. Sedlachek et. al.  
RO0000390  
February 21, 2012, Page 2

**TECHNICAL REPORT REQUEST**

Please submit technical reports to ACEH (Attention: Barbara Jakub), according to the following schedule:

- **April 23, 2012** – Well Decommissioning Report

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 639-1287 or send me an electronic mail message at [barbara.jakub@acgov.org](mailto:barbara.jakub@acgov.org).

Sincerely,



Digitally signed by Barbara J. Jakub  
DN: cn=Barbara J. Jakub, o, ou,  
email=barbara.jakub@acgov.org,  
c=US  
Date: 2012.02.21 08:33:55 -08'00'

Barbara J. Jakub, P.G.  
Hazardous Materials Specialist

Enclosures: Responsible Party(ies) Legal Requirements/Obligations  
ACEH Electronic Report Upload (ftp) Instructions

cc: Vincent Battaglia, Cardno ERI, 601 North McDowell Blvd., Petaluma, CA 94954-2312 (*Sent via e-mail to: [vincent.battaglia@cardno.com](mailto:vincent.battaglia@cardno.com)*)  
Shay Wideman, The Valero Companies, P.O. Box 969000, San Antonio, TX 78269 (*Sent via e-mail to: [Shay.Wideman@valero.com](mailto:Shay.Wideman@valero.com)*)  
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032  
(*Sent via E-mail to: [lgriffin@oaklandnet.com](mailto:lgriffin@oaklandnet.com)*)  
Donna Drogos, ACEH (*Sent via E-mail to: [donna.drogos@acgov.org](mailto:donna.drogos@acgov.org)*)  
Barbara Jakub, ACEH (*Sent via E-mail to: [barbara.jakub@acgov.org](mailto:barbara.jakub@acgov.org)*)  
GeoTracker, file



**APPENDIX B**  
**FIELD PROTOCOL**

## **Cardno ERI Well Destruction Field Protocol**

All destruction techniques and methods should be Environmental Protection Agency, American Society of Testing and Materials and appropriate regulatory agency approved methodologies.

### **Preliminary Activities**

Prior to the onset of field activities at the site, Cardno ERI obtains the appropriate permit(s) from the governing agency(s). Advance notification is made as required by the agency(s) prior to the start of work. Cardno ERI marks the borehole locations and contacts the local one call utility locating service at least 48 hours prior to the start of work to mark buried utilities. Borehole locations may also be checked for buried utilities by a private geophysical surveyor. Prior to well destruction, the well borehole is cleared in accordance with the client's procedures. Fieldwork is conducted under the advisement of a registered professional geologist and in accordance with an updated site-specific safety plan prepared for the project, which is available at the job site during field activities.

### **Overdrilling Well Destruction Procedures**

Each well to be destroyed is overdrilled to its respective total depth. The drill rig is equipped with a continuous flight hollow-stem auger of equal or greater size than the original well borehole. After the annular space backfill and casing(s) are removed from each well by overdrilling, the well borehole is backfilled by pumping the agency-specified sealing material through a tremie pipe placed within the augers to the total depth of the borehole. Each well borehole is backfilled from its respective total depth to within approximately 5 feet of surface grade. After the seal hardens, the remaining annular space of each well borehole is backfilled with hydrated bentonite chips to approximately 2 feet below ground surface (bgs) followed by sand to the base of the pavement, or 6 inches below grade if no pavement is present. The destruction of each well is completed to surface grade with material that best matches existing surface conditions and meets local agency requirements.

### **Pressure Grouting Well Destruction Procedures**

Due to the potential close proximity of wells to buried utility lines, subsurface structures or surface structures, wells may be destroyed in place by pressure grouting. Prior to pressure grouting a well, the total depth of the well's casing is measured and compared to the well's original borelog and construction details to verify that obstructions are not present. If present, obstructions that would prevent adequate filling of the well must be removed before pressure grouting. An agency-specified sealing material is then pumped under pressure into the casing of the well. Pressure grouting must be continued until a sufficient amount of sealing material has been emplaced to ensure that the sand filter pack and well casing are filled to within 5 feet of surface grade. The amount of sealing material needed can be calculated using the following equation:

$$\text{Sealant (cubic feet)} = L * (R_b^2 + 2.1 * R_c^2)$$

Where L is the length of casing (feet) to be filled (total length minus 5 feet),

$R_b$  is the radius (feet) of the borehole and

$R_c$  is the radius (feet) of the casing.

After the seal hardens, the well casing is removed to a depth required by client or local agency. The open hole is backfilled with 3 feet of hydrated bentonite chips followed by 1½ feet of sand to approximately 6 inches bgs. The remaining hole is completed with material that best matches existing surface conditions and meets local agency requirements.

**Soil Sampling Procedures**

If drilling has not been recently conducted at the site, Cardno ERI collects a profile sample from the soil cuttings using a 6-inch long brass sleeve. The brass sleeve is sealed with Teflon™ tape, capped, placed in a cooler chilled to 4° Celsius and transported to a state-certified laboratory under proper chain-of-custody protocol.

**Air Monitoring Procedures**

Cardno ERI performs a field evaluation for volatile hydrocarbon concentrations in the breathing zone using a calibrated photo-ionization detector or lower explosive level meter.

**Waste Treatment and Soil Disposal**

Soil cuttings generated from the well destruction are stored on site in labeled, Department of Transportation-approved, 55-gallon drums or other appropriate storage container. The soil is removed from the site and transported under manifest to a client- and regulatory-approved facility for recycling or disposal. Decontamination fluids are stored on site in labeled, regulatory-approved storage containers. Fluids are subsequently transported under manifest to a client- and regulatory-approved facility for disposal or treated with a permitted mobile or fixed-base carbon treatment system.

**APPENDIX C**  
**BORING LOGS**



Project No.: 2293 Boring: DPE1 Plate: 1 OF 1  
 Site: Former Exxon Service Station 7-0238 Date: 6/5/03  
 Drill Contractor: Cascade

Sample Method: Split spoon sampler Geologist: John B. Bobbitt  
 Drill Rig: Hollow-stem auger Bore Hole Diameter: 10' Signature: \_\_\_\_\_  
 Location: 11 ft. southwest of northern most pump Registration: R.G. 4313  
 island Logged by: Paula Sime

DEPTH (ft.)	BLOW COUNTS	PID/OVM (ppm)	SAMPLE COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
					Borehole hand-cleared to 5'	
5-8	7, 8, 11	19.1		CL	Silty Clay: Dark gray, moist, very stiff	
10-15	13, 15, 18	26.1			Sandy Clay: Greenish gray, streaked with light orange/brown, moist, very stiff. Sand is fine-grained and increases downward	
15-19	5, 25, 19	99.4		SP	Color changes to light orange/brown Gravelly Sand: Well graded, light orange/brown mottled with green, moist, contains black flecks, sub-angular. Sand is coarse and sub-angular	
				CL	Sandy Clay: Coarse, moist, very plastic	
20-21	15, 15, 18	81.9		SM	Silty Sand: Fine grained with some coarse sand, light orange/brown, not plastic, black flecks and orange/brown streaks	Cave
					Total depth = 21 feet Free Groundwater not encountered in borehole	

Casing Diameter: 4" Slot Size: 0.020" Sand Size: #3 Grout: Portland I, II



Project No.: 2293 Boring: DPE2 Plate: 1 OF 1  
 Site: Former Exxon Service Station 7-0238 Date: 6/4/03  
 Drill Contractor: Cascade

Sample Method: Hollow-stem auger/Split-spoon sampler Geologist: John B. Bobbitt  
 Drill Rig: Hollow-stem auger Bore Hole Diameter: 10' Signature: \_\_\_\_\_  
 Location: 20' southwest of Station building entrance Registration: R.G. 4313  
(perpendicular to building) Logged by: Paula Sime

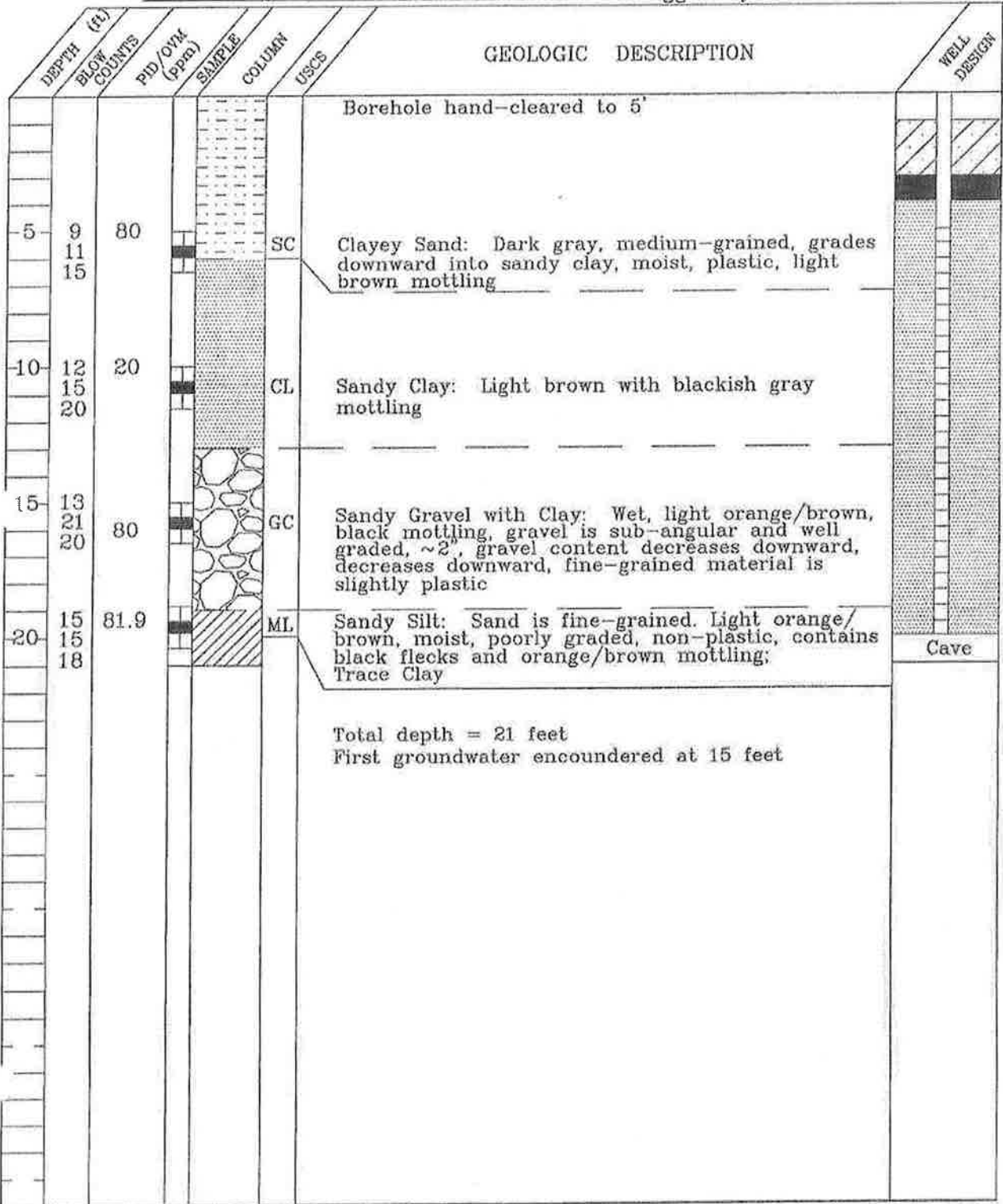
DEPTH (ft)	BLOW COUNTS	PID/OVM (ppm)	SAMPLE	COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
						Borehole hand-cleared to 4'	
5	15 22 29	10			CL	Silty Clay: Dark blackish brown, moist, plastic	
10	11 13 19	10			ML	Silty Sand: Light brown/yellow, moist, low plasticity, some orange/brown mottling, black streaks, sand is fine-grained	
15	11 15 19	150			SP	Sand with Gravel and Silt: Light orange/brown, saturated, gravel is angular and well graded, gravel ~10%, silt ~15%	
20	35 39 42	5.5			CL	Sandy Clay: Light orange/brown, sand is medium-grained, plastic, wet, black mottling, poorly graded	
						Total depth = 21 feet First groundwater encountered at 15 feet	Cave

Casing Diameter: 4" Slot Size: 0.020, Sand Size: #3, Grout: Portland I, II



Project No.: 2293 Boring: DPE3 Plate: 1 OF 1  
 Site: Former Exxon Service Station 7-0238 Date: 6/4/03  
 Drill Contractor: Cascade

Sample Method: Split-spoon sampler Geologist: John B. Bobbitt  
 Drill Rig: Hollow-stem auger Bore Hole Diameter: 10' Signature:  
 Location: 6' southeast of southern planter Registration: R.G. 4313  
 boundary at north end of site Logged by: Paula Sime



Casing Diameter: 4" Slot Size: 0.020" Sand Size: #3 Grout: Portland I, II



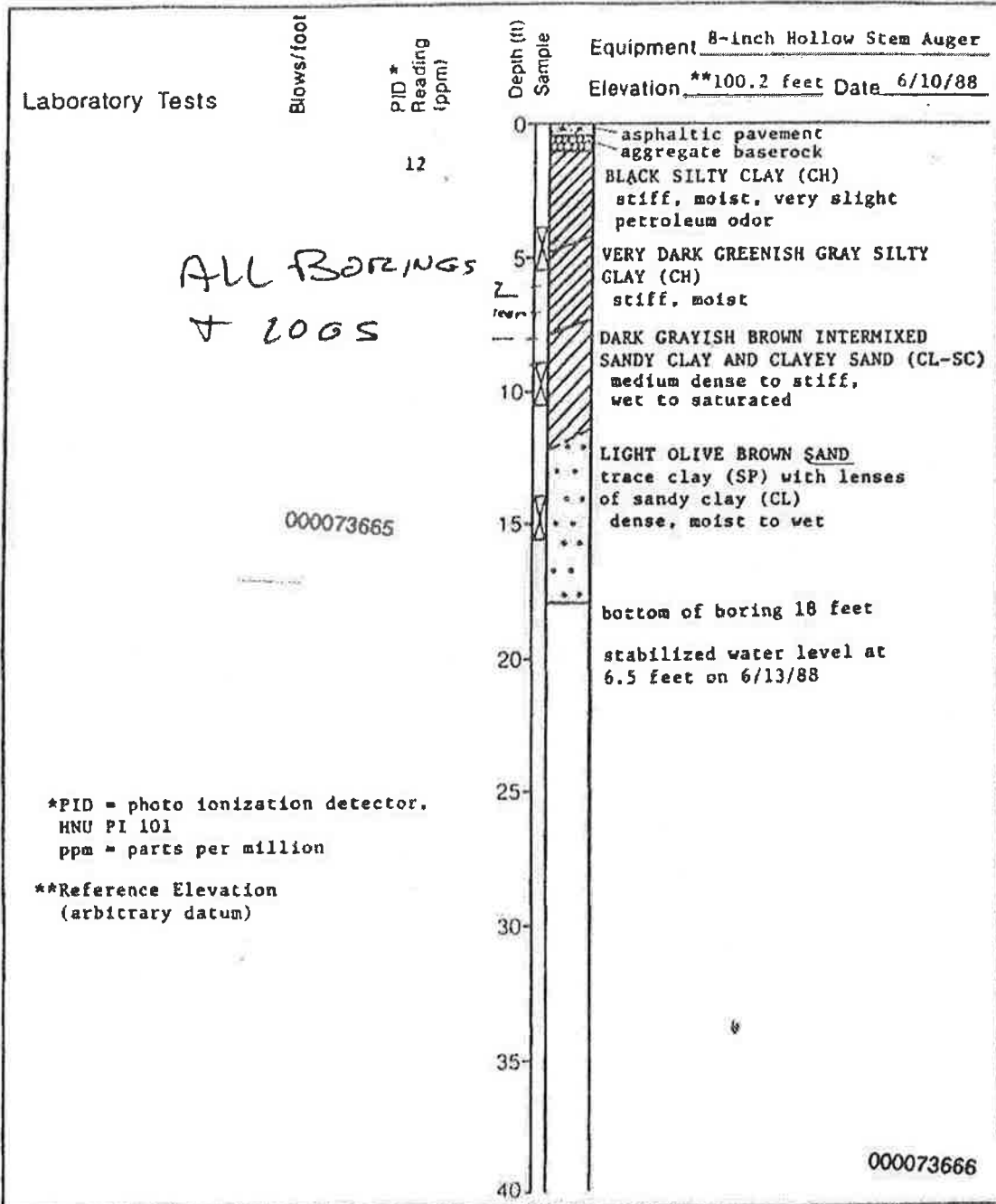
Project No.: 2293 Boring: DPE4 Plate: 1 OF 1  
 Site: Former Exxon Service Station 7-0238 Date: 6/5/03  
 Drill Contractor: Cascade

Sample Method: Split-spoon sampler Geologist: John B. Bobbitt  
 Drill Rig: Hollow-stem auger Bore Hole Diameter: 10' Signature:  
 Location: 16' south of the edge of the west pump island Registration: R.G. 4313  
 and 27' west of the edge of the east pump island Logged by: Paula Sime

DEPTH (ft)	BLOW COUNTS	PIV/OVM (ppm)	SAMPLE	COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
						Borehole hand-cleared to 5'	
					CL	Silty Clay: Dark greenish gray, moist	
5	7 13 15	5.2				Very stiff, very plastic when wetted, dark gray with greenish gray mottling	
10	12 15 20	74.9			SM	Silty Sand with Clay: Fine-grained, light orange/brown, moist, poorly graded, somewhat plastic, black/gray blotches and flecks, ~5% coarse sub-rounded sand	
15	15 15 23	66.8				Clay content decreasing downward	
						Clay content increasing	
20	18 21 25	1.7			GC	Sandy Gravel with Clay: Sand is coarse, light orange/brown, sand and gravel are sub-angular, clay is moderately plastic	Cave
						Total depth = 21 feet Saturated sediments not encountered; groundwater in hole after 10 minutes	

Casing Diameter: 4" Slot Size: 0.020" Sand Size: #3 Grout: Portland I, II





Harding Lawson Associates  
 Engineers Geologists  
 & Geophysicists

Log of Boring MW-9A  
 Texaco Station - 6248800088  
 2200 East 12th Street  
 Oakland, California

PLATE  
**3**

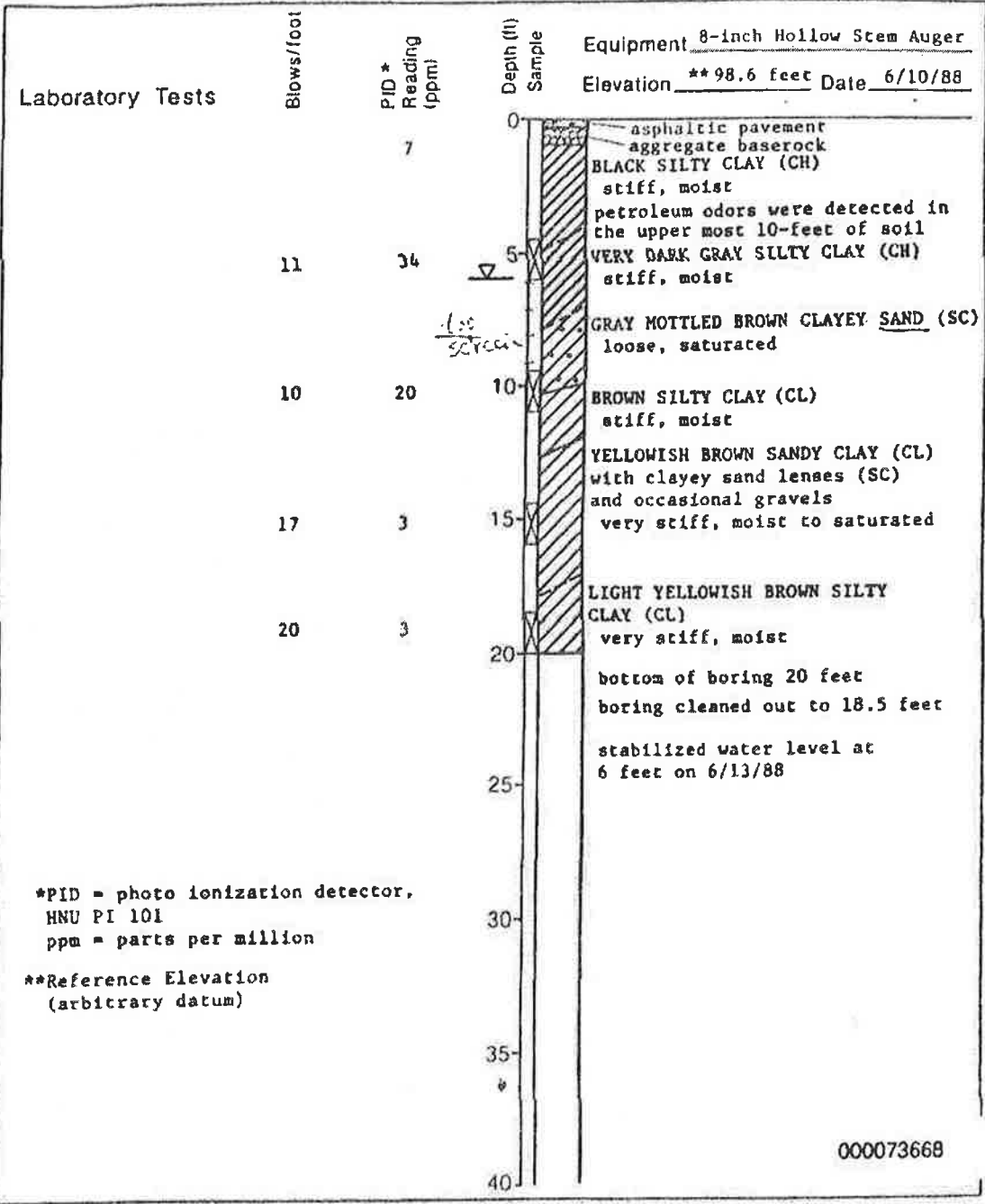
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JOB NUMBER  
 2251,055.04

APPROVED  
 40

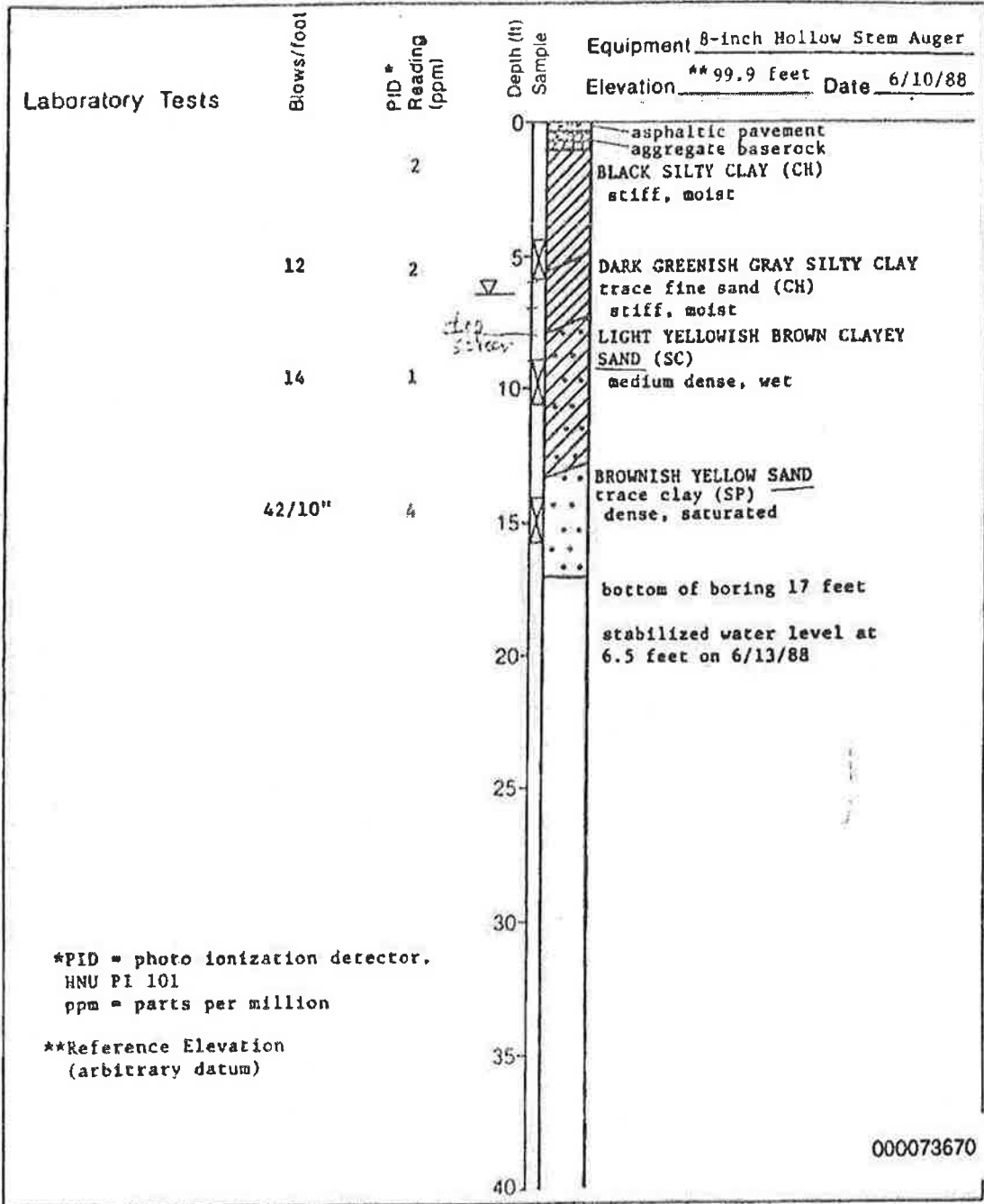
Date  
 7/88

REVISIONS  
 DATE



\*PID = photo ionization detector, HNU PI 101  
 ppm = parts per million  
 \*\*Reference Elevation (arbitrary datum)

000073668



Harding Lawson Associates  
 Engineers Geologists  
 & Geophysicists

Log of Boring MW-9C  
 Texaco Station - 6248800088  
 2200 East 12th Street  
 Oakland, California

5

DRAWN  
RS

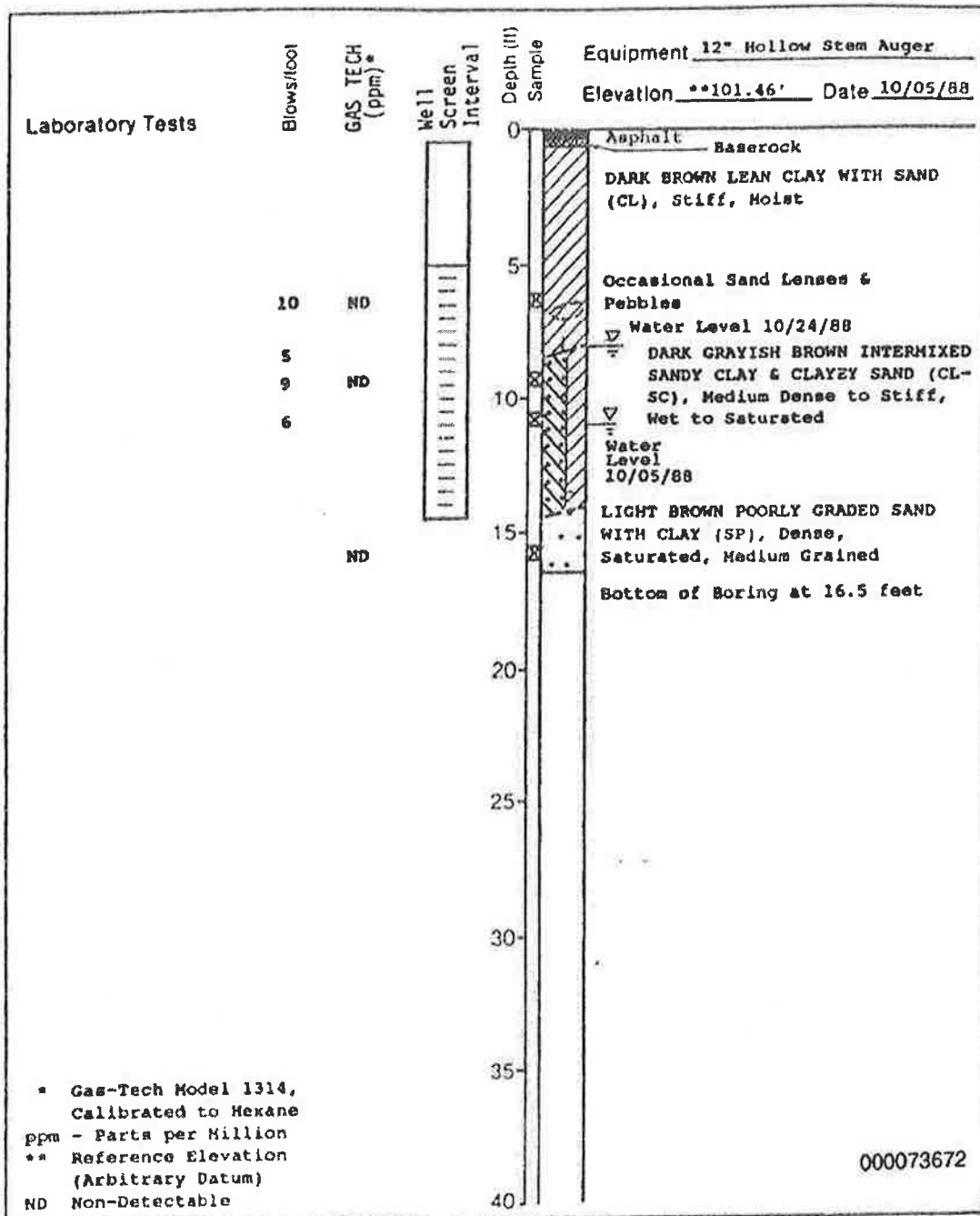
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APPROVED  
40

DATE  
7/88

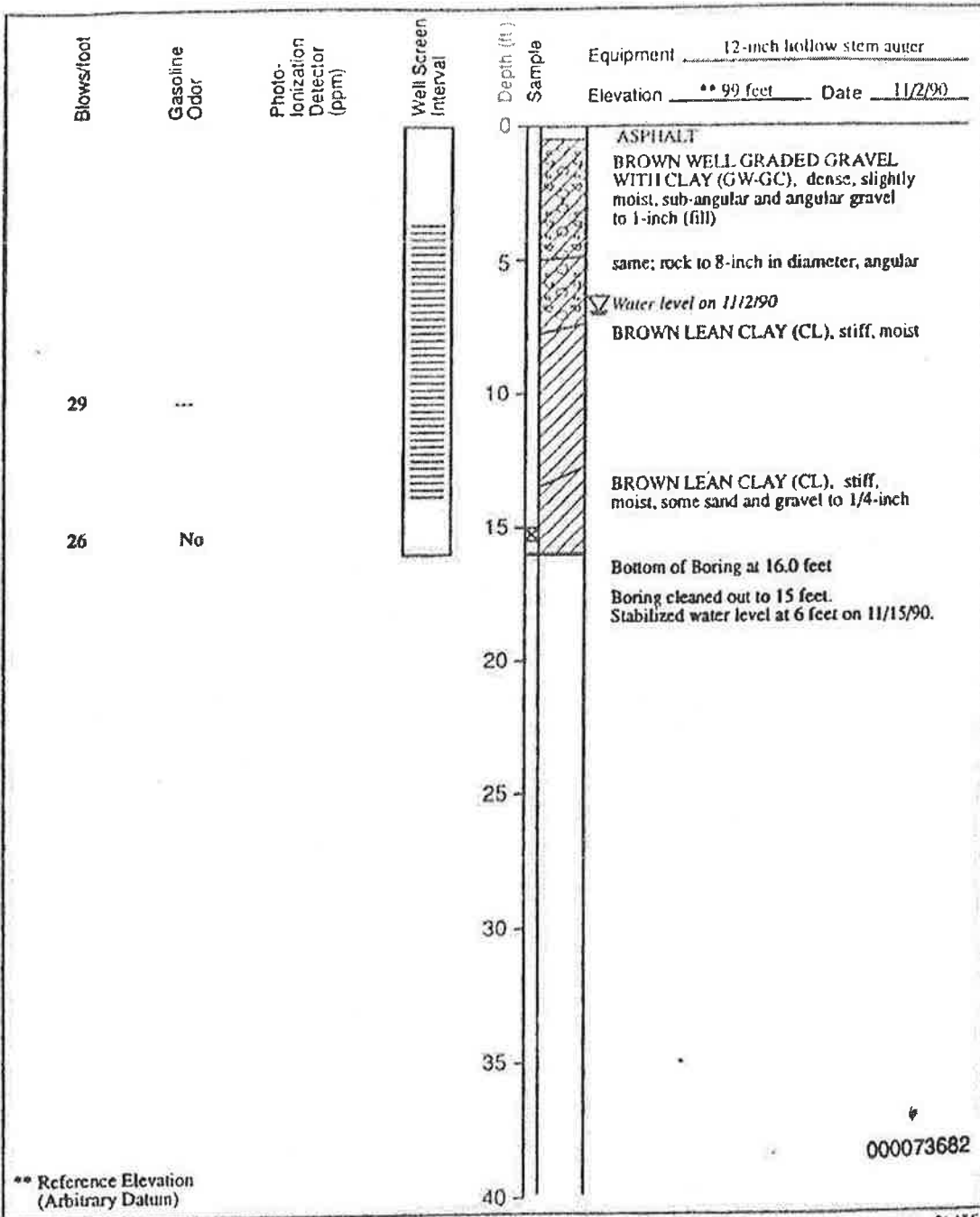
REVISED

DATE



\* Gas-Tech Model 1314, Calibrated to Hexane  
 ppm - Parts per Million  
 \*\* Reference Elevation (Arbitrary Datum)  
 ND Non-Detectable

000073672



000073682

\*\* Reference Elevation (Arbitrary Datum)



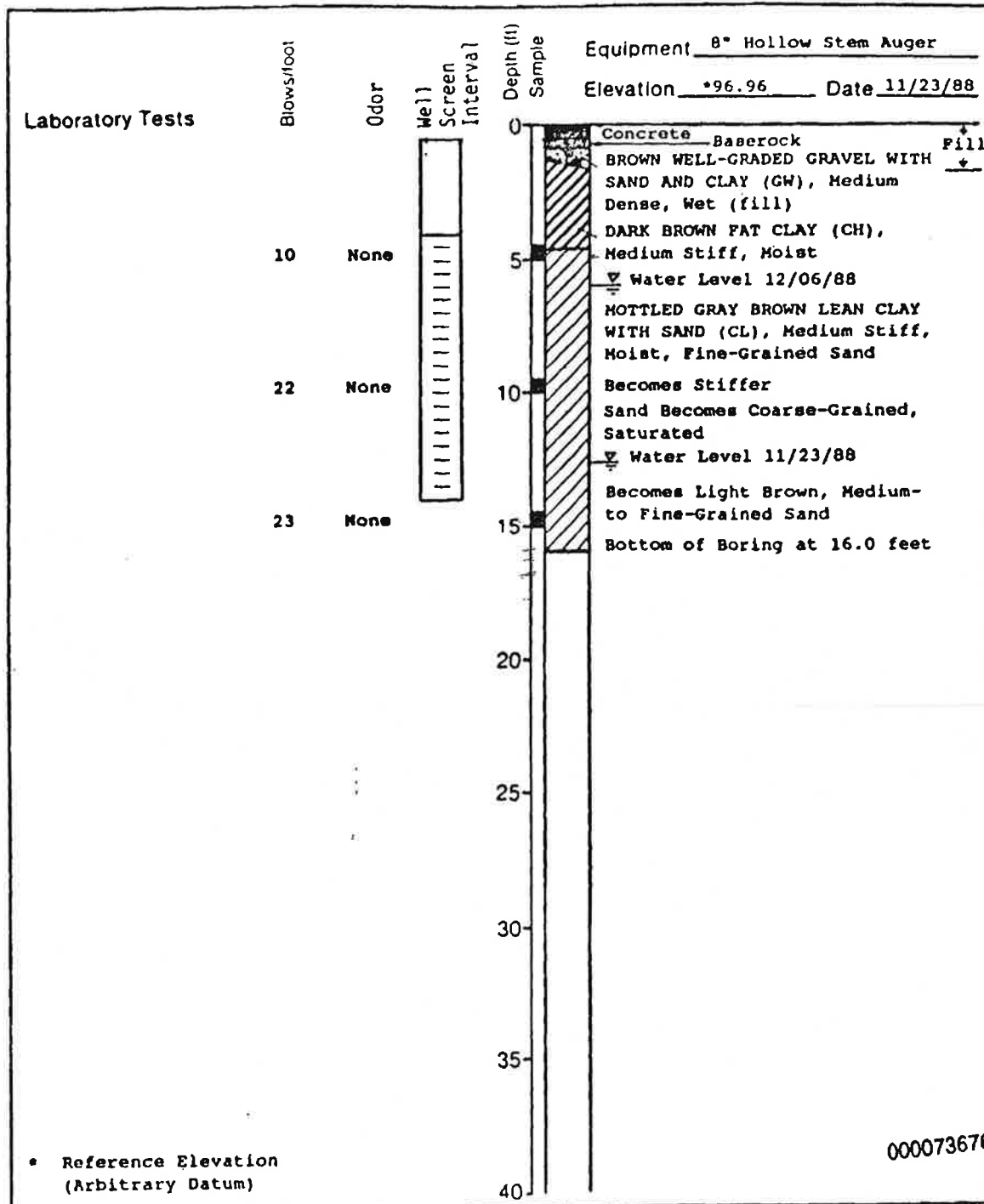
**Harding Lawson Associates**  
Engineering and Environmental Services

**Log of Boring MW-91**  
Former Texaco Service Station  
2200 East 12th Street  
Oakland, California

PLATE

**6**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RKC	2251.112.03	AKW	11/90	02/25/91

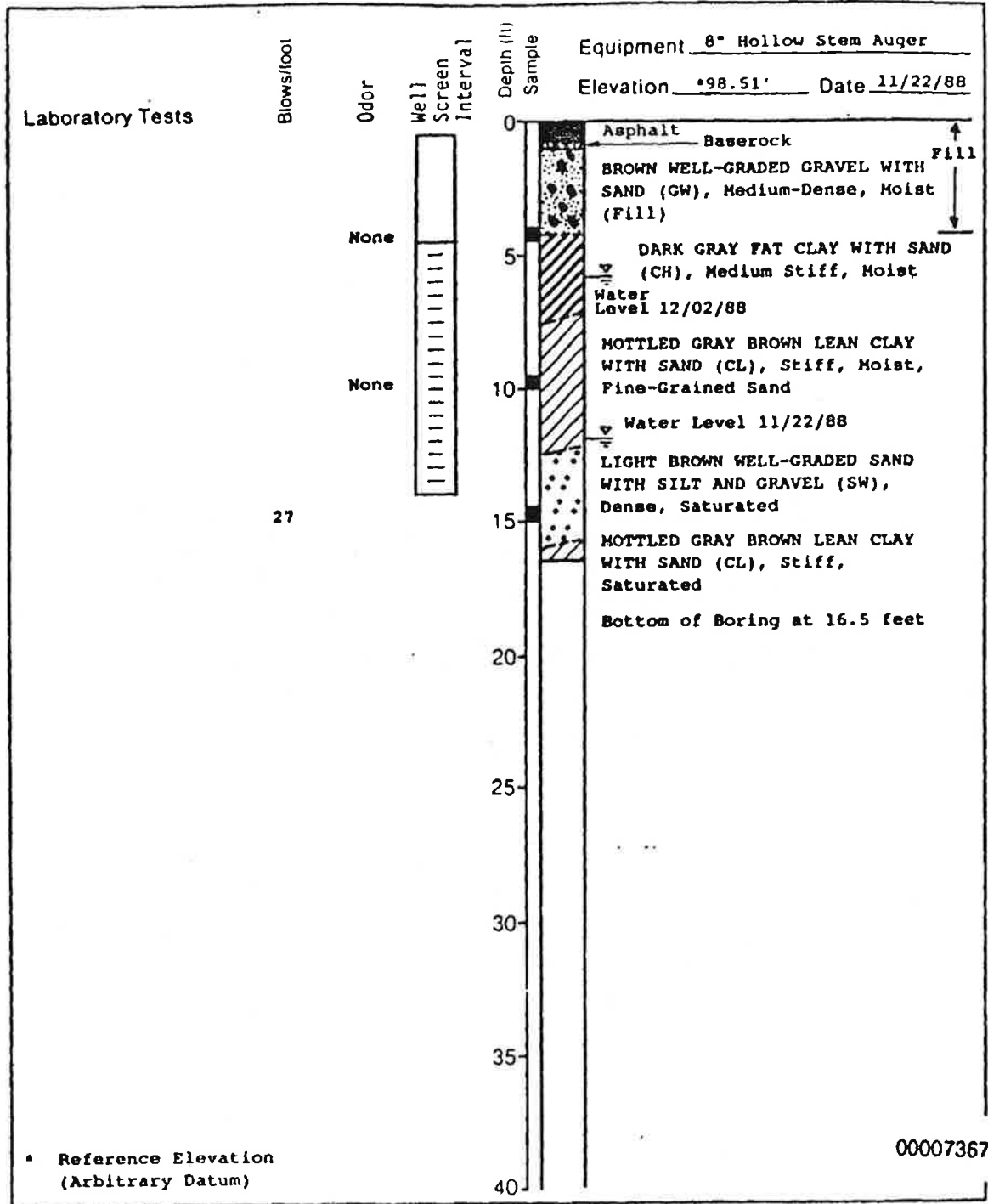


**Harding Lawson Associates**  
Engineers Geologists  
& Geophysicists

**Log of Boring MW-9F**  
Former Texaco Service Station  
2200 East 12th Street  
Oakland, California

PLATE  
**6**

DRAWN YC	JOB NUMBER 2251,082.03	APPROVED G	DATE 12/88	REVISED	DATE
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**Harding Lawson Associates**  
 Engineers Geologists  
 & Geophysicists

**Log of Boring MW-9G**  
 Former Texaco Service Station  
 2200 East 12th Street  
 Oakland, California

PLATE  
**7**

DRAWN  
 YC

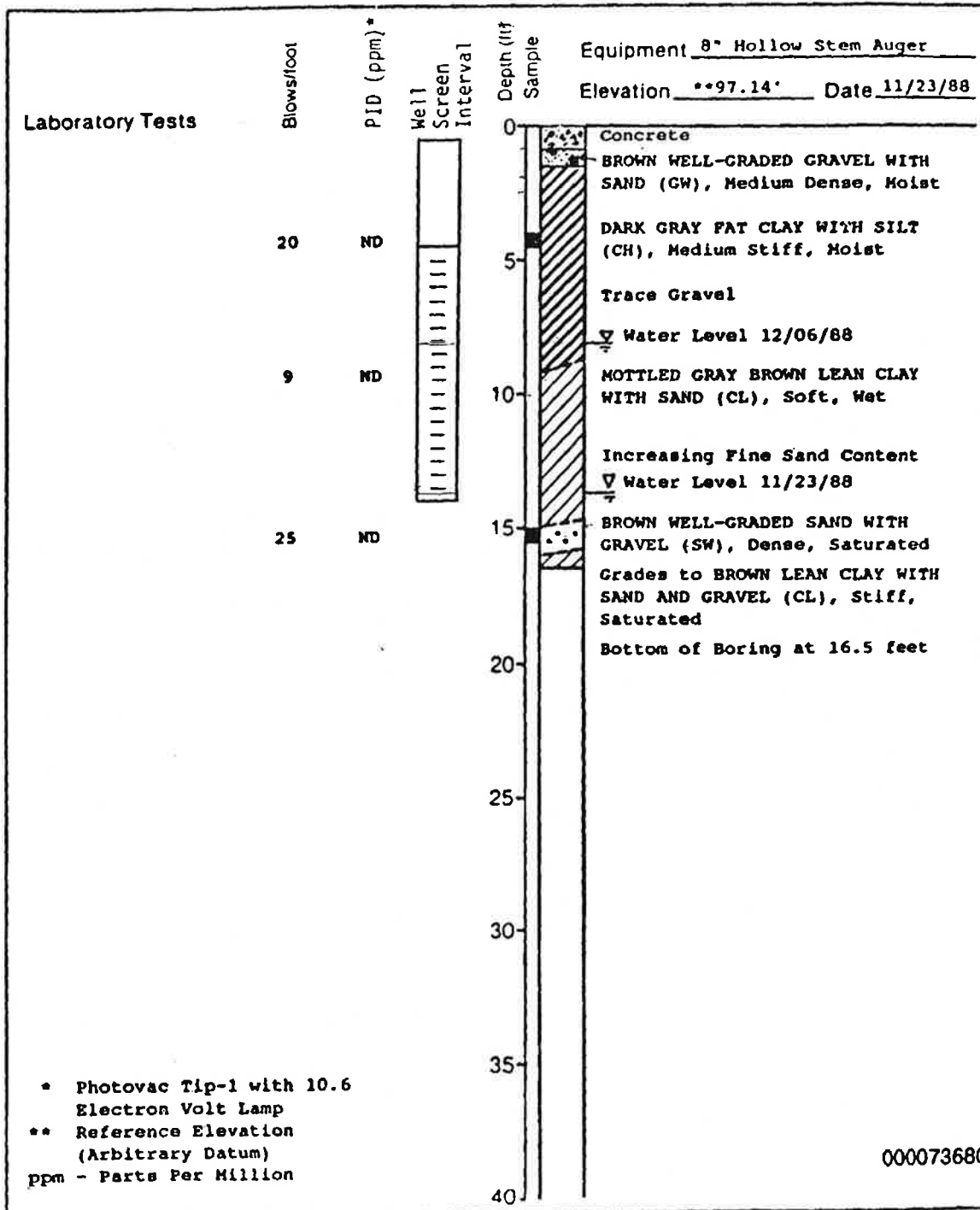
JOB NUMBER  
 2251,082.03

APPROVED  
 G

DATE  
 12/88

REVISED

DATE



- Photovac Tip-1 with 10.6 Electron Volt Lamp
- \*\* Reference Elevation (Arbitrary Datum)
- ppm - Parts Per Million

000073680



**Harding Lawson Associates**  
Engineers Geologists  
& Geophysicists

**Log of Boring MW-9H**  
Former Texaco Service Station  
2200 East 12th Street  
Oakland, California

PLATE  
**8**

DRAWN  
YC

JOB NUMBER  
2251,082.03

APPROVED  
G

DATE  
12/88

REVISED

DATE





Project No.: 229305X Boring: VP1 Plate: 1 OF 1  
 Site: 7-0236 Date: 1-11-01  
 Drill Contractor: Gregg Drilling

Sample Method: every 5 feet Geologist: John B. Hobbitt  
 Drill Rig: B-57 Bore Hole Diameter: 8" Signature: \_\_\_\_\_  
 Location: West corner of station 12 ft. from planter Registration: R.G. 4313  
5 ft. from SW sidewalk Logged by: Tom Culig

DEPTH (ft.)	BLOW COUNTS	FD/OVM (Opt)	SAMPLE	COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
						4" asphalt base	
						Clay with some silt, dark gray/green poorly graded	
						increasing silt content	
-5	2				CL		
	3					clay with sand, pebbles up to 1 in.	
-10	2					brown clayey silt, pebbles up to 1/4 in.	
	3						
	4						
-15	5				ML	clayey silt with pebbles up to 1/2 in. subangular reddish-brown, very dense	
	14						
	17						
-20	5					increasing silt, organic material, tan color	
	7						
	9					Total Depth = 20 feet	
-25							
-30							
-35							
-40							

Casing Diameter: 2" Slot Size: 0.020, Sand Size: #3, Grout: Portland Type I/A



Project No.: 229305X Boring: VP2 Plate: 1 OF 1

Site: 7-0238 Date: 1-11-01

Drill Contractor: Gregg Drilling

Sample Method: every 5 feet Geologist: John B. Hobbitt

Drill Rig: B-57 Bore Hole Diameter: 8" Signature: \_\_\_\_\_

Location: West corner of station 13 ft. from planter Registration: R.G. 4313

5 ft. from NW sidewalk Logged by: Tom Culig

DEPTH (ft)	BLOW COUNTS	PD/OVR (type)	SAMPLE	COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
						4" asphalt base clay with little silt, dark gray/green	
5	3 3 5				CL	gravelly clay with silt, gravel up to 1/2 in. gray, well graded	
10	2 3 4					silty clay, gray, poorly graded very dense, tan	
15	6 15 12				ML	clayey silt, brown, poorly graded very dense, tan, organic material	
20	5 8 8					red/orange	
						Total Depth = 20 feet	
25							
30							
35							
40							

Casing Diameter: 2" Slot Size: 0.020, Sand Size: #8, Grout: Portland Type I/II

**APPENDIX D**  
**PERMITS**

# Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street  
Hayward, CA 94544-1395  
Telephone: (510)670-6633 Fax:(510)782-1939

**Application Approved on: 04/25/2012 By jamesy**

**Permit Numbers: W2012-0279 to W2012-0285**  
**Permits Valid from 05/07/2012 to 05/31/2012**

**Application Id:** 1334770878537  
**Site Location:** 2200 E 12th St, Oakland, CA  
**Project Start Date:** 05/07/2012  
**Assigned Inspector:** Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

**City of Project Site:**Oakland  
**Completion Date:**05/31/2012

**Applicant:** Cardno ERI - Nadya Vicente  
601 N McDowell Bl, Petaluma, CA 94954  
**Property Owner:** Aaron & Stanley Wong  
2200 E 12th St, Oakland, CA 94606  
**Client:** Exxon Mobile Corp  
4095 Piedmont Ave #194, Oakland, CA 94611

**Phone:** 707-766-2000  
**Phone:** --  
**Phone:** --

	<b>Receipt Number: WR2012-0120</b>	<b>Total Due:</b>	\$2515.00
	<b>Payer Name : Environmental Solutions Inc</b>	<b>Total Amount Paid:</b>	\$2515.00
		<b>Paid By: CHECK</b>	<b>PAID IN FULL</b>

**Works Requesting Permits:**

Well Destruction-Monitoring - 5 Wells

Driller: Cascade - Lic #: 938110 - Method: hstem

**Work Total: \$1985.00**

**Specifications**

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2012-0279	04/25/2012	08/05/2012	MW9A	8.00 in.	2.00 in.	0.00 ft	18.00 ft	No Records	No Records	No Records
W2012-0280	04/25/2012	08/05/2012	MW9B	8.00 in.	2.00 in.	0.00 ft	18.00 ft	No Records	No Records	No Records
W2012-0281	04/25/2012	08/05/2012	MW9C	8.00 in.	2.00 in.	0.00 ft	18.00 ft	No Records	No Records	No Records
W2012-0282	04/25/2012	08/05/2012	MW9D	12.00 in.	4.00 in.	0.00 ft	14.00 ft	No Records	No Records	No Records
W2012-0283	04/25/2012	08/05/2012	MW9I	12.00 in.	4.00 in.	0.00 ft	16.00 ft	No Records	No Records	No Records

**Specific Work Permit Conditions**

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
  
2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
  
3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and

## Alameda County Public Works Agency - Water Resources Well Permit

mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
5. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.
6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
7. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
8. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

Well Destruction-Vapor monitoring well - 2 Wells

Driller: Cascade - Lic #: 938110 - Method: hstem

**Work Total: \$265.00**

**Specifications**

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2012-0284	04/25/2012	08/05/2012	VP1	0.00 in.	0.00 in.	0.00 ft	0.00 ft	No Records	No Records	No Records
W2012-0284	04/25/2012	08/05/2012	VP2	0.00 in.	0.00 in.	0.00 ft	0.00 ft	No Records	No Records	No Records

**Specific Work Permit Conditions**

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
2. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate state reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter

## Alameda County Public Works Agency - Water Resources Well Permit

10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days, including permit number and site map.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.

4. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

5. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

6. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

7. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

8. Remove the Christy box or similar structure. Overdrill or clean out to original depth. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.

9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

10. Vapor monitoring wells constructed with tubing shall be decommissioned by complete removal of tubing, grout seal, and fill material of sand or bentonite. Fill material may be removed by hand auger if material can be removed completely.

Vapor monitoring wells constructed with pvc pipe less than 2" shall be overdrilled to total depth.

Vapor monitoring wells constructed with 2" pvc pipe or larger may be grouted by tremie pipe (any depth) or pressure grouted (less than 30', 25 psi for 5 min).

Remediation Well Destruction-Extraction - 4 Wells

Driller: Cascade - Lic #: 938110 - Method: hstem

**Work Total: \$265.00**

**Specifications**

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2012-0285	04/25/2012	08/05/2012	DPE1	12.00 in.	4.00 in.	1.00 ft	20.00 ft	No Records	W03-0527	No Records

## Alameda County Public Works Agency - Water Resources Well Permit

W2012-0285	04/25/2012	08/05/2012	DPE2	12.00 in.	4.00 in.	1.00 ft	20.00 ft	No Records	W03-0528	No Records
W2012-0285	04/25/2012	08/05/2012	DPE3	12.00 in.	4.00 in.	1.00 ft	20.00 ft	No Records	W03-0529	No Records
W2012-0285	04/25/2012	08/05/2012	DPE4	12.00 in.	4.00 in.	1.00 ft	20.00 ft	No Records	W03-0530	No Records

### Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
  2. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.
  3. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
  4. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
  5. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
  6. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
  7. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
-

# Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street  
Hayward, CA 94544-1395  
Telephone: (510)670-6633 Fax:(510)782-1939

**Application Approved on: 07/20/2012 By jamesy**

**Permit Numbers: W2012-0514 to W2012-0516**  
**Permits Valid from 07/25/2012 to 07/26/2012**

**Application Id:** 1342480386630  
**Site Location:** 2200 E 12th St, Oakland, CA  
**Project Start Date:** 07/25/2012  
**Assigned Inspector:** Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

**City of Project Site:** Oakland  
**Completion Date:** 07/26/2012

**Applicant:** Cardno ERI - Nadya Vicente  
601 N McDowell Bl, Petaluma, CA 94954  
**Property Owner:** Aaron & Stanley Wong  
2200 E 12th Street, Oakland, CA 94606  
**Client:** Exxon Mobil Corp.  
4095 Piedmont Ave #194, Oakland, CA 94611

**Phone:** 707-766-2000  
**Phone:** 510-535-1672  
**Phone:** 510-547-8196

	<b>Receipt Number: WR2012-0229</b>	<b>Total Due:</b>	\$1191.00
	<b>Payer Name : ERI</b>	<b>Total Amount Paid:</b>	\$1191.00
		<b>Paid By: CHECK</b>	<b>PAID IN FULL</b>

**Works Requesting Permits:**

Well Destruction-Monitoring - 3 Wells  
Driller: Woodward - Lic #: 710079 - Method: DP

**Work Total: \$1191.00**

**Specifications**

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2012-0514	07/20/2012	10/23/2012	MW9F	8.00 in.	4.00 in.	0.00 ft	16.00 ft	No Records		No Records
W2012-0515	07/20/2012	10/23/2012	MW9G	8.00 in.	4.00 in.	0.00 ft	16.50 ft	No Records		No Records
W2012-0516	07/20/2012	10/23/2012	MW9H	8.00 in.	4.00 in.	0.00 ft	16.50 ft	No Records		No Records

**Specific Work Permit Conditions**

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
  
2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
  
3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.



## **Alameda County Public Works Agency - Water Resources Well Permit**

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
  5. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.
  6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
  7. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
  8. Remove the Christy box or similar structure. Destroy well by overdrilling the upper 5ft. bgs & Tremie Grouting with Cement. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
  9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
-

# Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street  
Hayward, CA 94544-1395  
Telephone: (510)670-6633 Fax:(510)782-1939

**Application Approved on: 07/20/2012 By jamesy**

**Permit Numbers: W2012-0514 to W2012-0516**  
**Permits Valid from 07/27/2012 to 07/27/2012**

**Application Id:** 1342480386630  
**Site Location:** 2200 E 12th St, Oakland, CA  
**Project Start Date:** 07/25/2012  
**Assigned Inspector:** Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org  
**Extension Start Date:** 07/27/2012  
**Extension Count:** 1

**City of Project Site:**Oakland  
**Completion Date:**07/26/2012  
**Extension End Date:** 07/27/2012  
**Extended By:** vickyh1

**Applicant:** Cardno ERI - Nadya Vicente  
601 N McDowell Bl, Petaluma, CA 94954  
**Property Owner:** Aaron & Stanley Wong  
2200 E 12th Street, Oakland, CA 94606  
**Client:** Exxon Mobil Corp.  
4095 Piedmont Ave #194, Oakland, CA 94611

**Phone:** 707-766-2000  
**Phone:** 510-535-1672  
**Phone:** 510-547-8196

	<b>Total Due:</b>	\$1191.00
<b>Receipt Number: WR2012-0229</b>	<b>Total Amount Paid:</b>	\$1191.00
<b>Payer Name : ERI</b>	<b>Paid By: CHECK</b>	<b>PAID IN FULL</b>

**Works Requesting Permits:**

Well Destruction-Monitoring - 3 Wells  
Driller: Woodward - Lic #: 710079 - Method: DP

**Work Total: \$1191.00**

**Specifications**

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2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
  
3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

## **Alameda County Public Works Agency - Water Resources Well Permit**

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  5. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.
  6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
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  8. Remove the Christy box or similar structure. Destroy well by overdrilling the upper 5ft. bgs & Tremie Grouting with Cement. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
  9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
-

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# OB120535                      Job Site 2200 E 12TH ST                      Parcel# 020 -0107-007-06

Reserve 75' parking; divert traffic on E 12th St per TSD-12- Permit Issued 07/02/12  
0095. No impact on sidewalk. Abandon MW9G. One parking space  
NO FEE. Ref: X1201123. Total distance charged = 600'

Nbr of days: 2  
Effective: 07/25/12

Linear feet: 600  
Expiration: 07/26/12

SHORT TERM NON-METERED

	Applcmt	Phone#	Lic#	--License Classes--
Owner WONG AARON & STANLEY				
Contractor WOODWARD DRILLING CO., INC	X	(707)374-4300	710079	C57
Arch/Engr				
Agent CARDNO ERI/NADYA VICENTE		(707)766-2015		
Applic Addr P.O.BOX 336, RIO VISTA, CA, 94571				

\$1,031.61 FEES TO BE PAID AT FILING

\$.00 FEES TO BE PAID AT ISSUANCE

\$71.00 Applic	\$828.00 Permit
\$.00 Process	\$85.41 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$47.20 Tech Enh

**JOB SITE**



TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

DIST. ADDRESS:

Applicant: \_\_\_\_\_

Issued by: \_\_\_\_\_ *(Signature)*

**CITY OF OAKLAND**

Date: 07/02/12 Amt Paid: \$6,528.14  
By: MKH Register R02 Receipt# 161979





CITY OF OAKLAND • Department of Planning, Building and Neighborhood Preservation  
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# X1201124                      Job Site 2200 E 12TH ST                      Parcel# 020 -0107-007-06

Descr Abandon MW9H located in median on E 12th St., north of 22nd Permit Issued 06/12/12  
Ave. See loc map. Alameda County documentation provided.  
CALL PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.


Work Type EXCAVATION-PRIVATE P

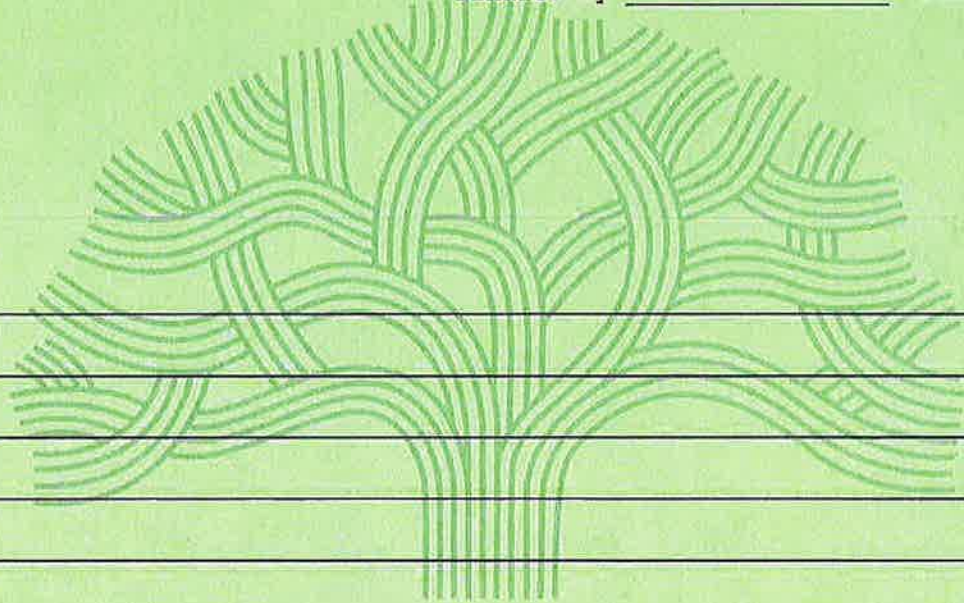
USA #                                      Util Co. Job # 2293                                      Acctg#:  
Util Fund #:

Owner                                      Y                                      Applcmt                      Phone#                      Lic# --License Classes--  
Contractor WOODWARD DRILLING CO., INC                      X                      (707)374-4300 710079 C57  
Arch/Engr  
Agent CARDNO ERI/NADYA VICENTE                      (707)766-2015  
Applic Addr P.O.BOX 336, RIO VISTA, CA, 94571

\$436.05 FEES TO BE PAID AT ISSUANCE  
\$71.00 Applic                      \$309.00 Permit  
\$ .00 Process                      \$36.10 Rec Mgmt  
\$ .00 Gen Plan                      \$ .00 Invstg  
\$ .00 Other                      \$19.95 Tech Enh

JOB SITE

Permit Issued By \_\_\_\_\_  \_\_\_\_\_ Date: \_\_\_\_\_  
Finaled By \_\_\_\_\_ Date: \_\_\_\_\_



DIST \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CITY OF OAKLAND

Date: 07/02/12 Amt Paid: \$6,528.14  
By: MKH Register RO2 Receipt# 161979

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Permit No. X1201124 Parcel #: 020 -0107-007-06  
Project Address: 2200 E 12TH ST

Page 2 of 2

Licensed Contractors' Declaration

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration

I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender \_\_\_\_\_ Address \_\_\_\_\_

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

[ ] I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[ ] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER: \_\_\_\_\_ POLICY NO. \_\_\_\_\_

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration

I hereby affirm that the intended occupancy [ ] WILL [ ] WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.

DIST: \_\_\_\_\_ ADDRESS: \_\_\_\_\_

PRINT NAME \_\_\_\_\_ Signature [ ] Contractor, or [ ] Agent \_\_\_\_\_ Date \_\_\_\_\_



CITY OF OAKLAND • Department of Planning, Building and Neighborhood Preservation  
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# X1201122      Job Site 2200 E 12TH ST      Parcel# 020 -0107-007-06

Descr Abandon MW9F located on 22nd Ave near E 12th St. See loc map Permit Issued 06/12/12  
Alameda County documentation provided. Call PWA INSPECTION  
prior to start: 510-238-3651. 4th FLOOR.

Work Type EXCAVATION-PRIVATE P

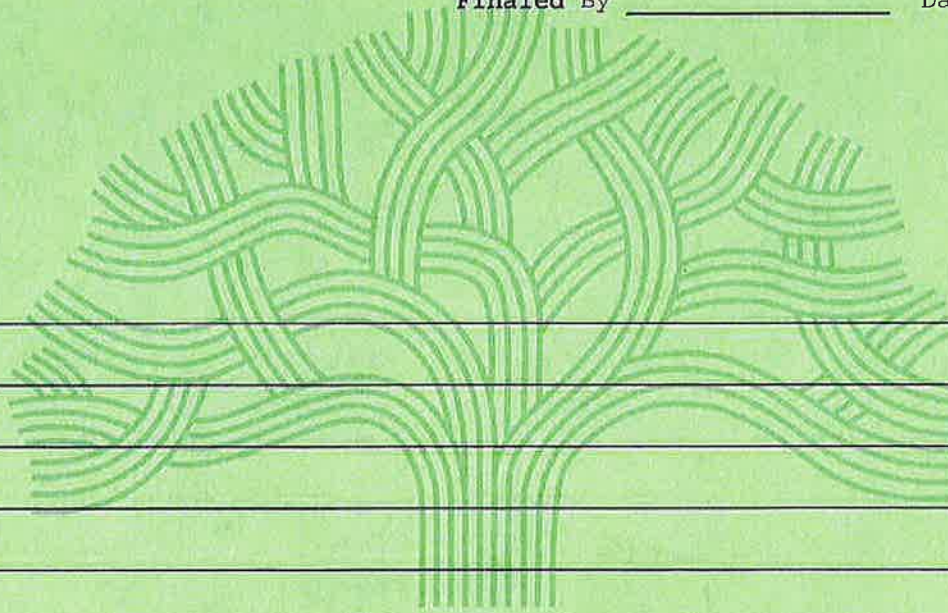
USA #      Util Co. Job # 2293      Acctg#:  
Util Fund #:

Owner LEY      Applcmt      Phone#      Lic# --License Classes--  
Contractor WOODWARD DRILLING CO., INC      X      (707) 374-4300      710079 C57  
Arch/Engr  
Agent CARDNO ERI/NADYA VICENTE      (707) 766-2015  
Applic Addr P.O.BOX 336, RIO VISTA, CA, 94571

**JOB SITE**

\$436.05 FEES TO BE PAID AT ISSUANCE	
\$71.00 Applic	\$309.00 Permit
\$.00 Process	\$36.10 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$19.95 Tech Enh

Permit Issued By           g                Date: \_\_\_\_\_  
Finaled By \_\_\_\_\_      Date: \_\_\_\_\_



DIST ADDRESS:

CITY OF OAKLAND

Date: 07/02/12      Amt Paid: \$6,528.14  
By: MKH      Register      Receipt# 161979

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Permit No. X1201122 Parcel #: 020 -0107-007-06  
Project Address: 2200 E 12TH ST

Page 2 of 2

Licensed Contractors' Declaration

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration

I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender \_\_\_\_\_ Address \_\_\_\_\_

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER: \_\_\_\_\_ POLICY NO. \_\_\_\_\_

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration

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I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.

PRINT NAME \_\_\_\_\_

Signature  Contractor, or  Agent \_\_\_\_\_

Date \_\_\_\_\_

ADDRESS: \_\_\_\_\_

DIST: \_\_\_\_\_

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Appl# X1201123      Job Site 2200 E 12TH ST      Parcel# 020 -0107-007-06

Descr Abandon MW9G located on north side E 12th St., south of 22nd Permit Issued 06/12/12  
Ave. See loc map. Alameda County documentation provided.  
Call PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.

Work Type EXCAVATION-PRIVATE P

USA #      Util Co. Job # 2293      Acctg#:  
Util Fund #:

Owner	Y	Applcmt	Phone#	Lic#	--License Classes--
Contractor	WOODWARD DRILLING CO., INC	X	(707)374-4300	710079	C57
Arch/Engr					
Agent	CARDNO ERI/NADYA VICENTE		(707)766-2015		
Applic Addr	P.O.BOX 336, RIO VISTA, CA, 94571				

\$436.05 FEES TO BE PAID AT ISSUANCE  
\$71.00 Applic      \$309.00 Permit  
\$.00 Process      \$36.10 Rec Mgmt  
\$.00 Gen Plan      \$.00 Invstg  
\$.00 Other      \$19.95 Tech Enh

**JOB SITE**

Permit Issued By \_\_\_\_\_  \_\_\_\_\_ Date: \_\_\_\_\_

Finalled By \_\_\_\_\_ Date: \_\_\_\_\_

ADDRESS:

DIST:

CITY OF OAKLAND

Date: 07/02/12 Amt Paid: \$6,528.14  
By: MKH | Register R02 Receipt# 161979

Applications for which no permit is issued within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

Permit No. X1201123 Parcel #: 020 -0107-007-06  
Project Address: 2200 E 12TH ST

Page 2 of 2

Licensed Contractors' Declaration

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ADDRESS: \_\_\_\_\_  
DIST: \_\_\_\_\_

\_\_\_\_\_  
PRINT NAME Signature  Contractor, or  Agent \_\_\_\_\_ Date



**APPENDIX E**  
**WASTE DOCUMENTATION**

D70326  
 NO. 700428

# NON-HAZARDOUS WASTE DATA FORM

BEST # 209958

GENERATOR

Generator's Name and Mailing Address  
 EXXONMOBIL OIL CORP.  
 ATTN: EMES ADMINISTRATOR  
 2655 W. 190TH ST. #1106  
 TORRANCE, CA 90504

Generator's Site Address (if different than mailing address)  
 EXXONMOBIL 70238  
 2200 E. 12TH STREET  
 OAKLAND, CA 94608

Generator's Phone: 310-212-2938

Container type removed from site:  
 Drums     Vacuum Truck     Roll-off Truck     Dump Truck  
 Other \_\_\_\_\_

Quantity 1

Container type transported to receiving facility:  
 Drums     Vacuum Truck     Roll-off Truck     Dump Truck  
 Other \_\_\_\_\_

Quantity 1    Volume 55 gallons

WASTE DESCRIPTION NON-HAZARDOUS SLUDGE    GENERATING PROCESS DRILLING SLUDGE/WATER MIX

COMPONENTS OF WASTE		PPM	%	COMPONENTS OF WASTE		PPM	%
1. WATER			60-100%	3. SOLIDS			1-40%
2. TPH			<1%	4.			

Waste Profile 56346    PROPERTIES: pH 4-10     SOLID  LIQUID     SLUDGE     SLURRY     OTHER \_\_\_\_\_

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING.

On behalf of ExxonMobil

Generator Printed/Typed Name: Vincent Battaglia    Signature: Vincent Battaglia    Month Day Year: 9 | 14 | 12

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE    Phone#: 849-460-6200

Transporter 1 Printed/Typed Name: Dorrell Ruck    Signature: Dorrell Ruck    Month Day Year: 9 | 5 | 12

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: Belshire    Phone#: 949-460-5200

Transporter 2 Printed/Typed Name: Mark Stano    Signature: Mark Stano    Month Day Year: 9 | 14 | 12

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address  
 CROSBY & OVERTON  
 1630 W. 17TH STREET  
 LONG BEACH, CA 90813

Phone#: 562-432-5446

Printed/typed Name: J. Balleza    Signature: J. Balleza    Month Day Year: 09 | 11 | 12

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.