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

February 18, 2010

Mr. Denis Brown (*Sent via E-mail to: denis.l.brown@shell.com*)
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Harman Management Corporation
199 1st Street, Suite 212
Los Altos, CA 94022

Subject: Fuel Leak Case No. RO0000009 and Geotracker Global ID T0600101244, Shell#12-9450, 2800 Telegraph Avenue, Oakland, CA 94609

Dear Mr. Brown and Harman Management Corporation:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (http://geotracker.swrcb.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Total Petroleum Hydrocarbons as gasoline remain in soil at concentrations up to 4,900 ppm.
- Total Petroleum Hydrocarbons as gasoline remain in groundwater at concentrations up to 1,400 ppb.
- As described in section IV of the attached Case Closure Summary, the case was closed with Site Management Requirements that limit future land use to commercial land use only.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Donna L. Drogos, P.E.
Chief

Enclosures:
1. Remedial Action Completion Certification
2. Case Closure Summary

cc:

Leroy Griffin (w/enc)
Oakland Fire Department
250 Frank H. Ogawa Plaza, Ste. 3341
Oakland, CA 94612-2032
(*Sent via E-mail to: lgriffin@oaklandnet.com*)

Closure Unit (w/enc)
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

Peter Schaefer, Conestoga-Rovers & Associates,
5900 Hollis Street, Suite A
Emeryville, CA 94608
(*Sent via E-mail to: pschaefer@craworld.com*)

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Jerry Wickham, ACEH (w/o enc)
Geotracker (w/enc)
File (w/orig enc)

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REMEDIAL ACTION COMPLETION CERTIFICATION

February 18, 2010

Mr. Denis Brown (*Sent via E-mail to: denis.l.brown@shell.com*)
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Harman Management Corporation
199 1st Street, Suite 212
Los Altos, CA 94022

Subject: Fuel Leak Case No. RO0000009 and Geotracker Global ID T0600101244, Shell#12-9450, 2800 Telegraph Avenue, Oakland, CA 94609

Dear Mr. Brown and Harman Management Corporation:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ariu Levi
Director
Alameda County Environmental Health

Alameda County Environmental Health

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM

I. AGENCY INFORMATION

Date: January 27, 2009

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Senior Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Shell#12-9450		
Site Facility Address: 2800 Telegraph Avenue, Oakland, CA 94609		
RB Case No.: 01-1349	Local Case No.: STID#413	LOP Case No.: RO0000009
URF Filing Date: 04/21/1989	Geotracker ID: T0600101244	APN: 9-688-14-3

Responsible Parties	Addresses	Phone Numbers
Mr. Denis Brown Shell Oil Products US	20945 S. Wilmington Ave. Carson, CA 90810-1039	707-865-0251
Harman Management Corporation	199 1st Street, Suite 212 Los Altos, CA 94022	

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	Unknown	Fuel	Removed	Prior to 1988
2 through 4	10,000 gallons	Gasoline	Removed	12/07/1988
5	500 gallons	Waste Oil	Removed	12/07/1988
Piping			Removed	12/07/1988

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. No holes, cracks, or other signs of failure were observed in tanks or lines during removal.		
Site characterization complete? Yes	Date Approved By Oversight Agency: -----	
Monitoring wells installed? Yes	Number: 13	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 4.01 feet bgs	Lowest Depth: 10.85 feet bgs	Flow Direction: Southwest
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: No water supply wells within ½ mile of the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: Glen Echo Creek is approximately 2,600 feet east of the site
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health and City of Oakland Fire Department

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	5 tanks	Disposed off-site; disposal facility not reported	12/1998
Piping	Not reported	Disposed off-site; disposal facility not reported	12/1998
Free Product	----	----	----
Soil	500 cubic yards	Aerated and disposed off-site; disposal facility not reported	12/1988
	90 cubic yards	Disposed off-site; disposal facility not reported	08/1992
Groundwater	----	----	----

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
(Please see Attachments 1 through 6 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	4,900	4,900	86,000(1)	1,400(2)
TPH (Diesel)	40	<1	<5	<5
TPH (Motor Oil)	580	<1	Not analyzed	Not analyzed
Oil and Grease	68	4	Not analyzed	Not analyzed
Benzene	38	<5	3,700(3)	2.0(2)
Toluene	400	9.3	10,000(4)	<1(5)
Ethylbenzene	1,100	81	1,700(6)	1.1(7)
Xylenes	1,100	490	15,000(1)	<1(5)
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	13(8)	13(8)	Not analyzed	Not analyzed
MTBE	<5(9)	<5(9)	220(10)	<0.5(11)
Other (8240/8270)	Not detected at various reporting limits	Not detected at various reporting limits	Not analyzed	Not analyzed

(1) Grab groundwater sample collected from boring HB-3 on 05/21/2004.
(2) Groundwater sample collected from well S-6 during most recent groundwater sampling event on 05/28/2008.
(3) Groundwater sample collected from well SR-6 on 05/02/1989.
(4) Groundwater sample collected from well S-3 on 05/02/1988.
(5) Not detected during most recent groundwater sampling event on 05/28/2008.
(6) Groundwater sample collected from well S-3 on 05/02/1989.
(7) Groundwater sample collected from well S-3R during most recent groundwater sampling event on 05/28/2008.
(8) Lead was the only metal analyzed in soil.
(9) <0.5 ppm MTBE, <5.0 ppm EDB, <5.0 ppm EDC; no other fuel oxygenates analyzed.
(10) Groundwater sample collected from well S-8 on 03/07/2000 using EPA Method 8020; no other fuel oxygenates detected.
(11) <0.5 ppm MTBE; no fuel oxygenates detected at various detection limits during recent sampling events.

Site History and Description of Corrective Actions:

The site is at the intersection of 28th Street and Telegraph Avenue in Oakland, CA and is currently occupied by a Kentucky Fried Chicken restaurant. The surrounding area is a mixed residential and commercial area. Shell demolished the former gasoline service station between 1988 and 1992. The former service station consisted of a first generation underground storage tank (UST) in the northeast corner of the property, three second-generation gasoline USTs in the southwestern portion of the site, a waste oil tank, four dispensers, an oil/water separator, three hydraulic lifts, and a station building.

Sometime in 1987, five soil borings were drilling and sampled in the vicinity of the three second generation USTs. TPHg and benzene were detected in soil at concentrations up to 4,400 and 26 ppm, respectively. TPHd and TPHmo were not detected in soil.

Three on-site groundwater monitoring wells (S-1, S-2, and S-3) were installed and sampled by Woodward-Clyde Consultants in April of 1988. At that time, the service station was no longer in use and the single first generation UST had been removed from the northeastern corner of the site. Maximum concentrations of TPHg and benzene in soil were reported at 4,800 and 38 ppm, respectively. Maximum concentrations of TPHg and benzene in the initial groundwater samples were 46,000 ppb and 2,700 ppb, respectively, reported in source area well S-3. In November 1988, four off-site groundwater monitoring wells (S-4, S-5, S-6, and S-7) were installed. TPHg and benzene were detected in groundwater from well S-6, which is located on the south side of 28th Street downgradient from the three gasoline USTs, at concentrations of 5,500 and 1,700 ppb, respectively.

In December 1988, the three gasoline, USTs, waste oil tank, dispensers, and product piping were removed. The four tanks were made of fiberglass and no apparent holes or cracks were observed. Soil samples collected from the sidewalls of the excavation contained TPHg and benzene at concentrations up to 2,800 and 0.85 ppm, respectively. One soil sample collected below the waste oil UST did not contain reportable concentrations of TPHd and BTEX. Overexcavation of the tank pit was performed on January 29, 1989. The excavation was extended vertically to a depth of approximately 9.5 feet below grade where groundwater was encountered. Approximately 500 cubic yards of soil was excavated from the area around the tank pit in the southwestern portion of the site.

In July 1989, three additional off-site monitoring wells (S-8, S-9, and S-10) were installed south of the site. Off-site monitoring well S-11 and on-site product recovery well SR-1 were installed in October and November 1990. On-site soil vapor extraction wells SV-1 and SV-2 were installed on September 11, 1991. GeoStrategies, Inc. conducted a soil vapor extraction pilot test using wells SV-1 and SV-2 on September 24, 1991. The vapor extraction test results indicated minimal vacuum influence and low vapor recovery concentrations. GeoStrategies, Inc. concluded that soil vapor extraction was not a feasible remedial alternative for the site.

Between 1991 and June 1992, the former service station building, the dispenser island, and dispenser canopy were removed. From June through August 1992, GeoStrategies, Inc. observed the removal of the oil water separator and three hydraulic lifts formerly located within the service station building and collected soil samples beneath the former OWS, hydraulic lifts, and former dispensers. TPHg and BTEX were not reported in any of the four soil samples collected beneath the product piping at each dispenser. One soil sample collected below the OWS contained oil and grease at a concentration of 68 ppm and did not contain reportable concentrations of TPHg, TPHd, or BTEX. The excavation was expanded laterally and vertically in the area of the former OWS. After the second stage of excavation, a confirmation soil sample collected from the bottom of the excavation at a depth of approximately 10.5 to 11 feet bgs did not contain TPHg, TPHd, oil and grease, or BTEX at concentrations above reporting limits. Three soil samples were collected beneath each of the former hydraulic lifts at 7.5 to 8 feet bgs. TPHd and TPHmo were detected at concentrations of 40 and 580 ppm, respectively, in one of the three soil samples (SL-1) but were below detection limits in the other two soil samples. Two phases of additional soil excavation were conducted in the area of sample SL-1. The confirmation sample collected from the bottom of the excavation at a depth of approximately 10.5 to 11 feet bgs did not contain detectable concentrations of TPHd or TPHmo. The overexcavation performed in the vicinity of the former OWS and hydraulic lifts removed approximately 90 cubic yards of soil.

Off-site monitoring wells S-7, S-9, and S-11 were decommissioned on November 19, 1999 to accommodate development of the off-site parcel. A sensitive receptor survey, utility conduit survey, and request for case closure were submitted on June 4, 2001.

In response to an ACEH request, three on-site borings were proposed in the vicinity of former downgradient well S-3 and five offsite borings were proposed along the Telegraph Avenue to determine whether petroleum hydrocarbons were migrating along the utility corridors. Due to numerous utilities beneath Telegraph Avenue, Cambria was unable to find locations for the five proposed offsite borings. Onsite borings were advanced in May 2004 in the source area near former well S-3. TPHg was detected in soil samples from the borings at concentrations up to 4,900 ppm. Benzene, MTBE, EDB,

and EDC were not detected in the soil samples. Grab groundwater samples collected from each of the three borings contained TPHg at concentrations up to 86,000 ppb. Benzene, MTBE, EDB, EDC, and other fuel oxygenates were not detected in the grab groundwater samples.

Onsite wells S-1 and SR-1 and off-site wells S-4, S-5, and S-10 were decommissioned on November 11, 2005. A geophysical survey was used to find "missing" well S-3, which was located in a planter along 28th Street. Well S-3 was filled with debris and was properly decommissioned in March 2006. Replacement well S-3R was installed downgradient from the former USTs in March 2006.

Groundwater monitoring has been conducted at the site since May 1988. Free product was historically observed and measured in onsite well S-3 between October 1990 and July 1991. Maximum historical concentrations of TPHg, benzene, and MTBE in groundwater were 47,000 ppb (S-3), 3,700 ppb (offsite well S-6), and 229 ppb (offsite well S-8). During recent groundwater monitoring events, only source well S-3R, and downgradient wells S-6, and S-8 are monitored quarterly. During the most recent Second Quarter 2008 groundwater sampling event on May 28, 2008, groundwater from wells S-3R, S-6, and S-8 contained 450, 1,400, and 1,200 ppb of TPHg, respectively. Benzene was reported in groundwater only from well S-6 at a concentration of 2 ppb and MTBE was below detection limits in all three wells.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements: Case closure for the fuel leak site is granted for commercial land use only. If a change in land use to residential or other conservative scenario occurs at this property, Alameda County Environmental Health must be notified and the case needs to be re-evaluated. This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.		
Should corrective action be reviewed if land use changes? Yes		
Was a deed restriction or deed notification filed? No		Date Recorded: --
Monitoring Wells Decommissioned: No	Number Decommissioned: 12	Number Retained: 3
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: --		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

No soil vapor sampling was conducted at the site. Based on the age of the release (prior to 1988) and decrease in benzene concentrations over time, the potential for vapor intrusion appears to be low. During the most recent groundwater sampling event, the maximum concentration of benzene in groundwater was 2.0 ppb.

Conclusion:

Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Senior Hazardous Materials Specialist
Signature: Jerry Wickham	Date: 01/27/09
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature:	Date: 01/28/09

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB: 2/1/09
Signature: Cher McCaul	Date: 3/5/09

VIII. MONITORING WELL DECOMMISSIONING

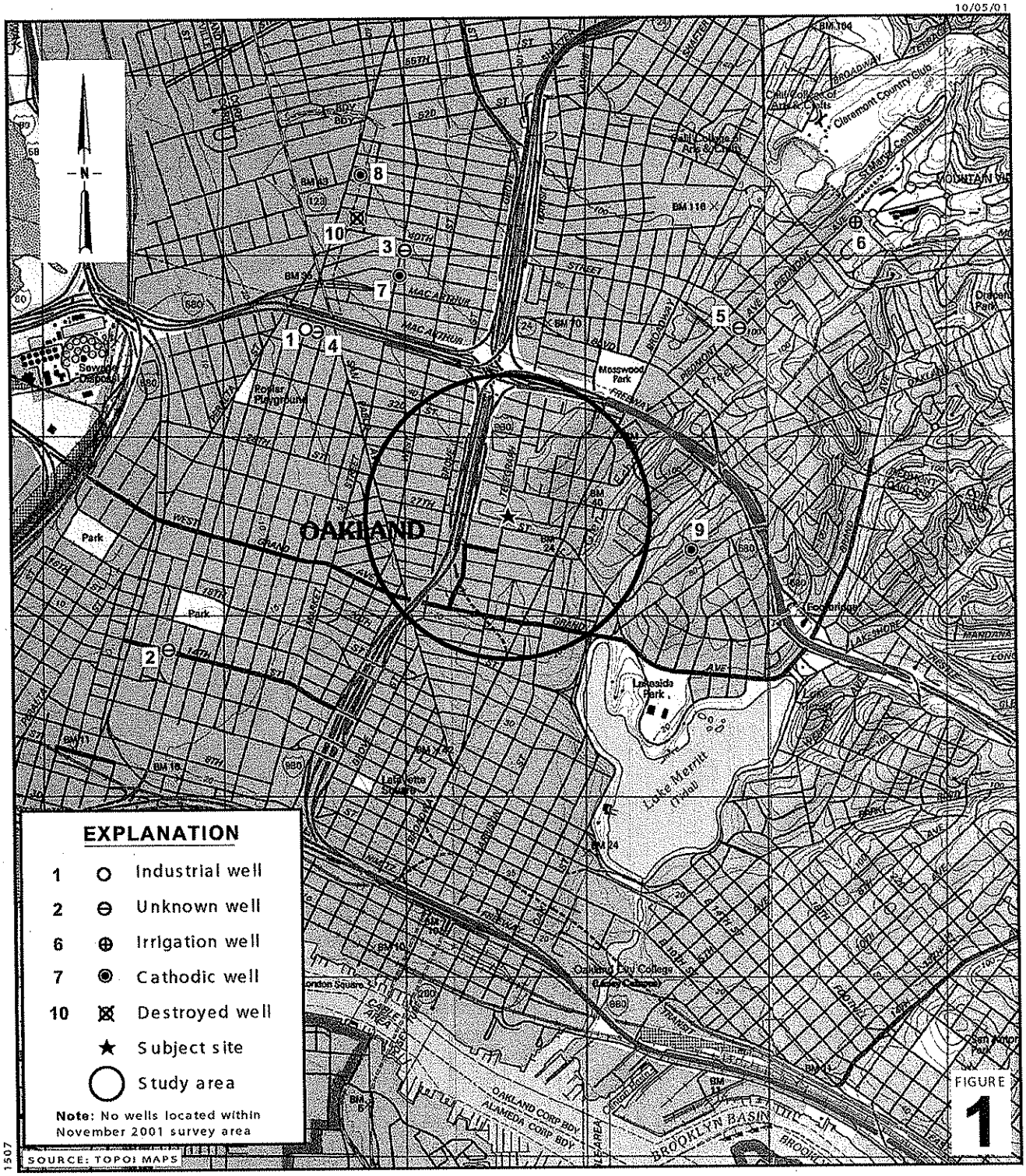
Date Requested by ACEH: 03/05/09	Date of Well Decommissioning Report: 02/12/10	
All Monitoring Wells Decommissioned: (Yes) No	Number Decommissioned: 15	Number Retained: 0
Reason Wells Retained: NA		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: Jerry Wickham		Date: 02/18/10

Attachments:

1. Site Vicinity Map (1 p)
2. Site Plan, System Removal and Site Excavation Soil Sample Location Map, and Depth to Water and Chemical Concentrations Map (3 pp)
3. Soil Analytical Data (3 pp)
4. Groundwater Analytical Data (25 pp)
5. Boring Logs (27 pp)
6. Cross Sections (1 p)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

10/05/01



Former Shell Service Station / Current KFC Restaurant
2800 Telegraph Avenue
Oakland, California

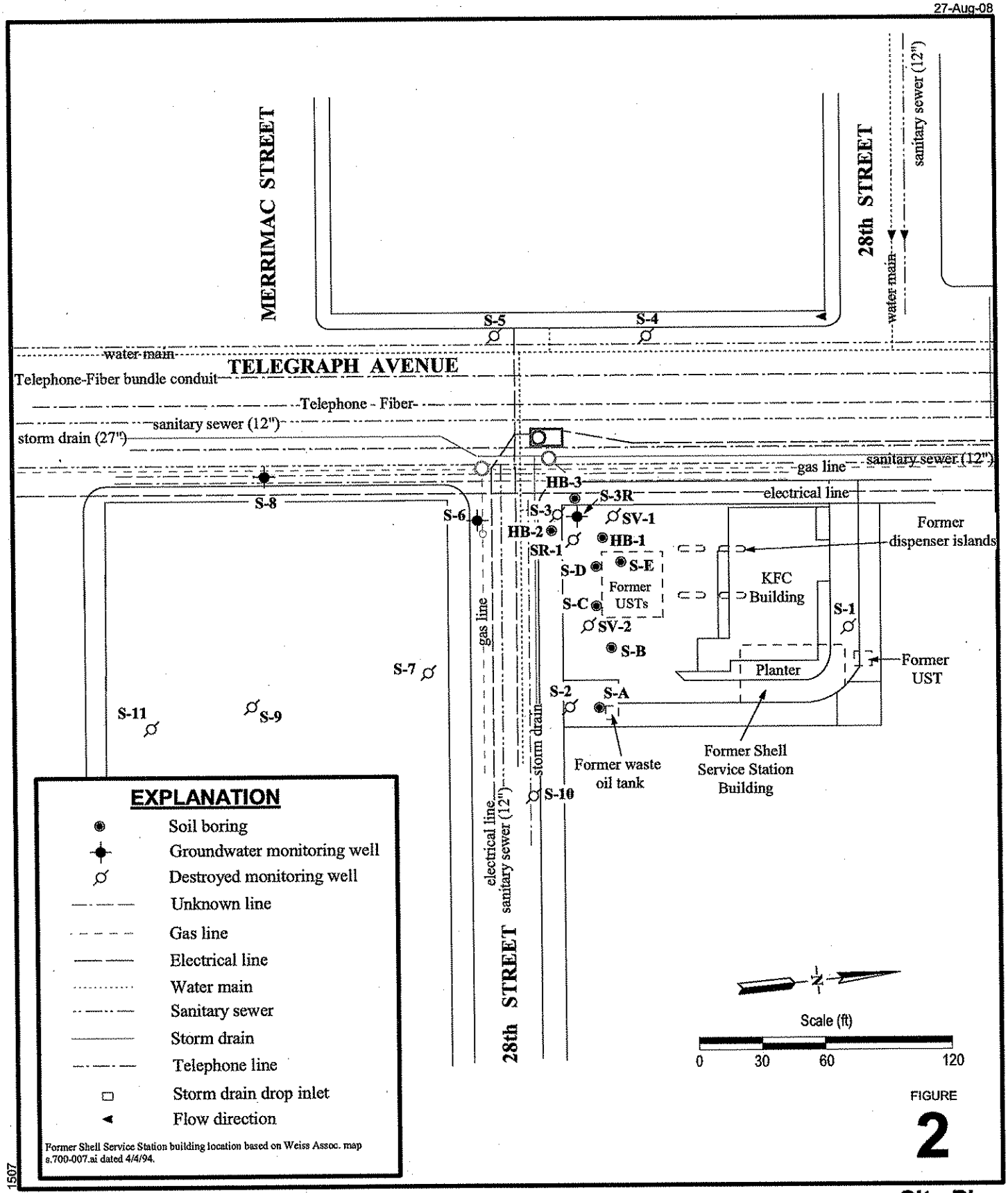
CONESTOGA-ROVERS & ASSOCIATES

Site Vicinity and Well Location Map

(1/2 Mile Radius)

ATTACHMENT 1

27-Aug-08



FIGURE

2

1507

Former Shell Service Station

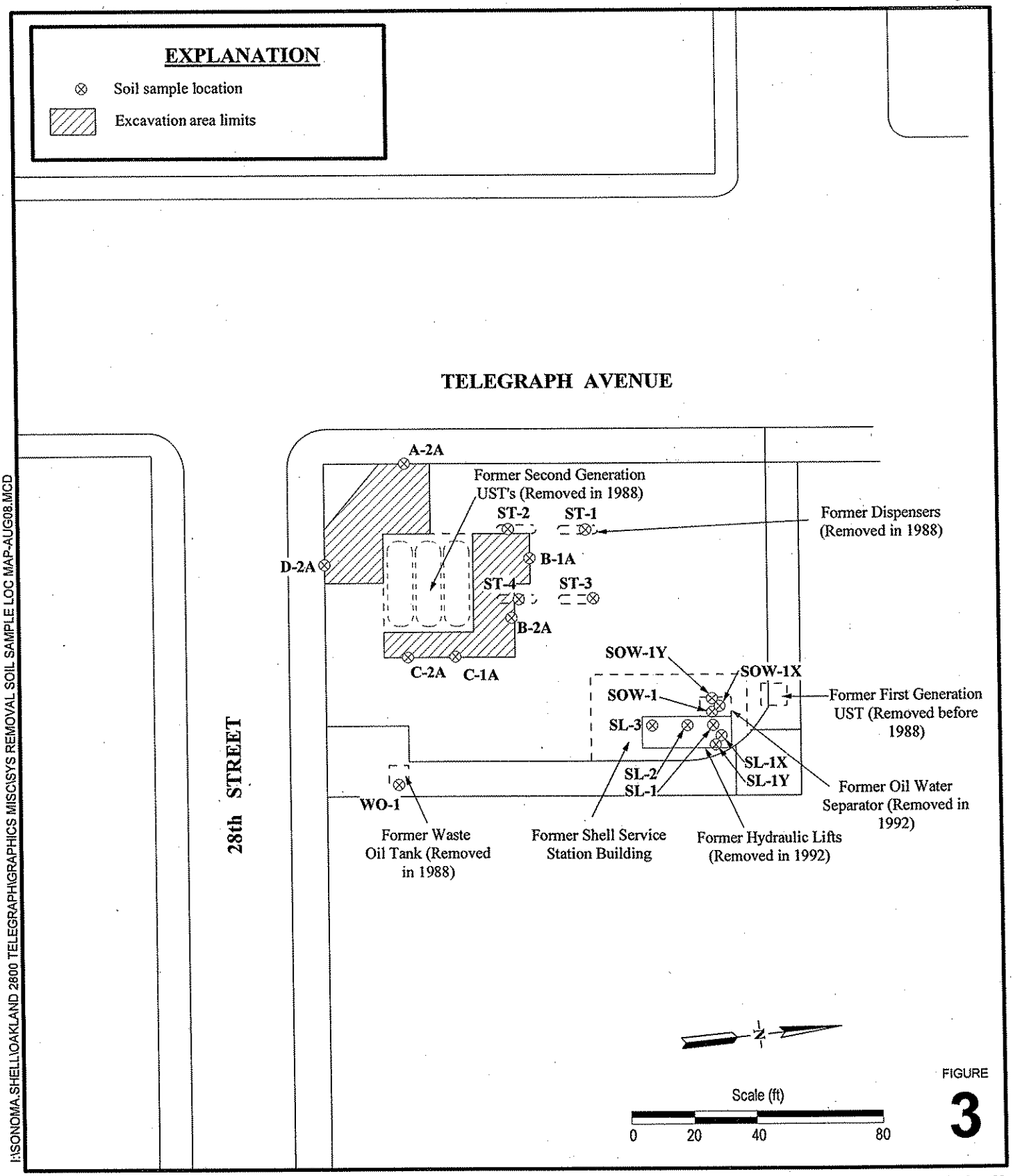
2800 Telegraph Avenue
Oakland, California

Site Plan

CONESTOGA-ROVERS & ASSOCIATES

ATTACHMENT 2

27-Aug-08



I:\SONOMA.SHELL\OAKLAND 2800 TELEGRAPH\GRAPHICS MISC\SYS REMOVAL SOIL SAMPLE LOC MAP-AUG08.MCD

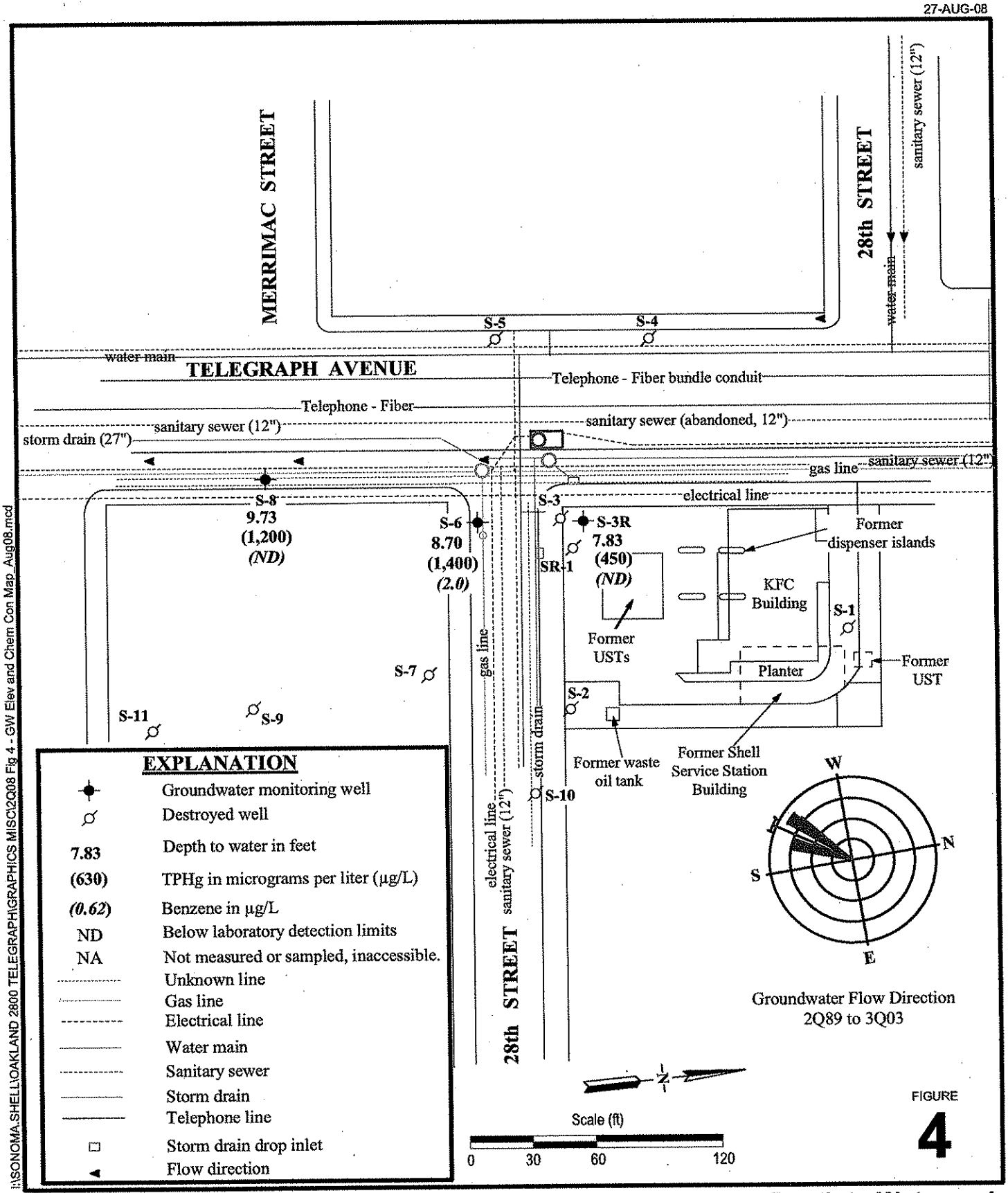
FIGURE

3

Shell-branded Service Station
2800 Telegraph Avenue
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

System Removal and Soil Excavation Soil Sample Location Map



I:\SONOMA-SHELL\OAKLAND 2800 TELEGRAPH\GRAPHICS MISC\2Q08 Fig 4 - GW Elev and Chem Con Map_Aug08.mcd

FIGURE
4

Former Shell Service Station
2800 Telegraph Avenue
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Depth to Water and Chemical Concentrations Map

May 28, 2008

Table 1. Historical Soil Analytical Data, Former Shell Service Station, 2800 Telegraph Avenue, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	TPHd (mg/kg)	TPH-MO (mg/kg)	Oil & Grease (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	EDB (mg/kg)	EDC (mg/kg)	Total Lead (mg/kg)
SV-1	8	11-Nov-91	920	NA	NA	NA	<0.05	<0.1	<0.1	<0.3	NA	NA	NA	NA
SV-2	8	11-Nov-91	130	NA	NA	NA	0.93	<0.1	<0.1	<0.3	NA	NA	NA	NA
S-11	5.5	03-Oct-89	<5	NA	NA	NA	<0.05	<0.1	<0.1	<0.3	NA	NA	NA	NA
S-11	10.5	03-Oct-89	560	NA	NA	NA	3.9	2.1	17	85	NA	NA	NA	NA
SR-1	5.5	03-Oct-89	75	NA	NA	NA	<0.2	<0.3	0.60	2.0	NA	NA	NA	NA
SR-1	10.5	03-Oct-89	550	NA	NA	NA	1.3	20	14	82	NA	NA	NA	NA
S-8	10	24-Jul-89	<5	NA	NA	NA	<0.05	<0.1	<0.1	<0.3	NA	NA	NA	NA
S-8	15	24-Jul-89	<5	NA	NA	NA	<0.05	<0.1	<0.1	<0.3	NA	NA	NA	NA
S-9	5	24-Jul-89	<5	NA	NA	NA	<0.05	<0.1	<0.1	<0.3	NA	NA	NA	NA
S-9	10	24-Jul-89	220	NA	NA	NA	<0.2	<0.4	1.3	7.0	NA	NA	NA	NA
S-10	10	24-Jul-89	<5	NA	NA	NA	<0.05	<0.1	<0.1	<0.3	NA	NA	NA	NA
Second Generatuion UST Overexcavtion Sampling														
A-2A	9	19-Jan-89	7.6	NA	NA	NA	1.3	0.42	0.35	1.3	NA	NA	NA	NA
B-1A	9	19-Jan-89	4.3	NA	NA	NA	0.063	<0.1	0.17	0.31	NA	NA	NA	NA
B-2A	9	19-Jan-89	140	NA	NA	NA	0.084	0.27	0.98	5.1	NA	NA	NA	NA
C-1A	9	19-Jan-89	130	NA	NA	NA	1.5	7.0	3.5	20	NA	NA	NA	NA
C-2A	9	19-Jan-89	48	NA	NA	NA	0.89	1.2	1.4	5.8	NA	NA	NA	NA
D-2A	9	19-Jan-89	130	NA	NA	NA	0.64	0.62	3.11	8.0	NA	NA	NA	NA
Second Generation UST Cavity Sampling														
A1	9	07-Dec-88	96	NA	NA	NA	<0.05	2.5	2.1	12	NA	NA	NA	NA
A2	9	07-Dec-88	2,800	NA	NA	NA	<0.05	12	26	160	NA	NA	NA	NA
B1	9	07-Dec-88	540	NA	NA	NA	<0.05	11	17	84	NA	NA	NA	NA
B2	9	07-Dec-88	220	NA	NA	NA	0.14	2.8	2.8	17	NA	NA	NA	NA
C1	9	07-Dec-88	170	NA	NA	NA	0.18	1.6	4.3	23	NA	NA	NA	NA
C2	9	07-Dec-88	150	NA	NA	NA	0.85	5.4	3.2	17	NA	NA	NA	NA
D1	9	07-Dec-88	71	NA	NA	NA	0.098	2.6	1.6	8.4	NA	NA	NA	NA
D2	9	07-Dec-88	1,400	NA	NA	NA	<0.050	1.1	7.9	57	NA	NA	NA	NA
Waste Oil Tank Sampling														
WO-1	9	07-Dec-88	NA	<1.0	NA	4	<0.05	<0.05	<0.05	<0.05	NA	NA	NA	NA

ATTACHMENT 3

Table 1. Historical Soil Analytical Data, Former Shell Service Station, 2800 Telegraph Avenue, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	TPHd (mg/kg)	TPH-MO (mg/kg)	Oil & Grease (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	EDB (mg/kg)	EDC (mg/kg)	Total Lead (mg/kg)
S-3R-5.5	5.5	10-Mar-06	<0.85	NA	NA	NA	<0.0043	<0.0043	<0.0043	<0.0085	NA	NA	NA	NA
S-3R-8.5	8.5	10-Mar-06	60	NA	NA	NA	<0.97	<0.97	<0.97	<1.9	NA	NA	NA	NA
S-3R-10	10	10-Mar-06	1,100	NA	NA	NA	<0.87	<0.87	3.7	<1.7	NA	NA	NA	NA
S-3R-13.5	13.5	10-Mar-06	<0.94	NA	NA	NA	<0.0047	<0.0047	<0.0047	<0.0094	NA	NA	NA	NA
HB-1	5	21-May-04	<1.0	NA	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA
HB-1	8	21-May-04	<50	NA	NA	NA	<0.50	1.4	<0.50	2.1	<0.50	<0.50	<0.50	NA
HB-1	10	21-May-04	<1.0	NA	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA
HB-1	15	21-May-04	510	NA		NA	<0.50	2.2	9.4	53	<0.50	<0.50	<0.50	NA
HB-2	5	21-May-04	<1.0	NA	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA
HB-2	8	21-May-04	16	NA	NA	NA	<0.025	<0.025	0.34	0.46	<0.025	<0.025	<0.025	NA
HB-2	12	21-May-04	2.6	NA	NA	NA	<0.0050	<0.0050	0.020	0.030	<0.0050	<0.0050	<0.0050	NA
HB-2	15	21-May-04	<1.0	NA	NA	NA	<0.0050	<0.0050	<0.0050	0.0051	<0.0050	<0.0050	<0.0050	NA
HB-2	17.5	21-May-04	<1.0	NA	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA
HB-3	5	21-May-04	<1.0	NA	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA
HB-3	7	21-May-04	4,900	NA	NA	NA	<5.0	9.3	81	490	<5.0	<5.0	<5.0	NA
HB-3	11	21-May-04	4.8	NA	NA	NA	<0.0050	<0.0050	0.034	0.17	<0.0050	<0.0050	<0.0050	NA
HB-3	13.5	21-May-04	120	NA	NA	NA	<0.50	<0.50	2.3	12	<0.50	<0.50	<0.50	NA
SOIL SAMPLES COLLECTED BETWEEN 1987 AND 1992														
Hydraulic Lifts Sampling														
SL-1	7.5	18-Aug-92	NA	40	580	NA	NA	NA	NA	NA	NA	NA	NA	NA
SL-1X	10	14-Jul-92	NA	27	340	NA	NA	NA	NA	NA	NA	NA	NA	NA
SL-1Y	10.5	18-Aug-92	NA	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SL-2	8	18-Jun-92	NA	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SL-3	8	18-Jun-92	NA	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil Water Separator Sampling.														
SOW-1	5.5	18-Jun-92	<1.0	<1.0	<1.0	68	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	5.1
SOW-1X	10	09-Jul-92	6.4	1.2	NA	59	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	<5
SOW-1Y	10.5	20-Aug-92	<1.0	<1.0	NA	<50	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA
Under Dispenser & Pipping Sampling														
ST-1	3	18-Jun-92	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	<5
ST-2	3	18-Jun-92	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	13
ST-3	3	18-Jun-92	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	6.2
ST-4	3	18-Jun-92	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	7.7

Table 1. Historical Soil Analytical Data, Former Shell Service Station, 2800 Telegraph Avenue, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	TPHd (mg/kg)	TPH-MO (mg/kg)	Oil & Grease (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	EDB (mg/kg)	EDC (mg/kg)	Total Lead (mg/kg)
S-4	9	01-Nov-88	<5	NA	NA	NA	<0.05	<0.1	<0.1	<0.3	NA	NA	NA	NA
S-5	9	01-Nov-88	<5	NA	NA	NA	<0.05	<0.1	<0.1	<0.3	NA	NA	NA	NA
S-6	9	01-Nov-88	4,800	NA	NA	NA	24	20	150	790	NA	NA	NA	NA
S-6	14	01-Nov-88	<5	NA	NA	NA	0.5	<0.1	<0.1	<0.3	NA	NA	NA	NA
S-6	19	01-Nov-88	<5	NA	NA	NA	<0.05	<0.1	<0.1	<0.3	NA	NA	NA	NA
S-7	9	01-Nov-88	250	NA	NA	NA	0.8	<2.0	4.0	19	NA	NA	NA	NA
S-7	14	01-Nov-88	<5	NA	NA	NA	<0.05	<0.1	<0.1	<0.3	NA	NA	NA	NA
S-7	19	01-Nov-88	<5	NA	NA	NA	<0.05	<0.1	<0.1	<0.3	NA	NA	NA	NA
S-2	5	23-Apr-88	1,400	NA	NA	NA	4	36	230	230	NA	NA	NA	NA
S-2	10	23-Apr-88	1,100	NA	NA	NA	4	8	150	150	NA	NA	NA	NA
S-3	5	23-Apr-88	5	NA	NA	NA	<0.5	0.1	<0.4	<0.4	NA	NA	NA	NA
S-3	10	23-Apr-88	4,800	NA	NA	NA	38	400	870	870	NA	NA	NA	NA
S-A	10.5	1987	1,000	<10	<10	NA	15	110	240	240	NA	NA	NA	NA
S-B	10.5	1987	4,400	<10	<10	NA	26	170	1,100	1,100	NA	NA	NA	NA
S-C	5	1987	2,700	<10	<10	NA	24	280	700	700	NA	NA	NA	NA
S-D	8	1987	33	<10	<10	NA	0.05	<0.1	1.0	1.0	NA	NA	NA	NA
S-E	14	1987	<5	<10	<10	NA	0.09	<0.1	<0.4	<0.4	NA	NA	NA	NA
***SFBRWQCB lowest ESLs for soils where groundwater is a current or potential drinking water source:**														
ESL for Shallow Soils (<3 meters)			83	83	2,500	2,500	0.044	2.9	3.3	2.3	0.023	0.00033	0.0045	750
ESL for Deep Soils (>3 meters)			83	83	5,000	5,000	0.044	2.9	3.3	2.3	0.023	0.00033	0.0045	750
****SFBRWQCB lowest ESLs for soils where groundwater is not a current or potential drinking water source:**														
ESL for Shallow Soils (<3 meters)			180	180	2,500	2,500	0.27	9.3	4.7	11	8.4	0.044	0.48	750
ESL for Deep Soils (>3 meters)			180	180	5,000	5,000	2.0	9.3	4.7	11	8.4	1	1.8	750

Abbreviations:

fbg = Feet below grade

mg/kg = Milligrams per kilogram (parts per million)

<x = Not detected at reporting limit x.

NA = Not analyzed or not available

NOTE: For samples S-A through S-E, and from borings S-2 and S-3, analysis for ethylbenzene and xylenes were reported as "combined"

NOTE: EPA analytical methods for samples collected prior to May 21, 2004, were 8105, 8020, and 5030.

For the samples collected in 2004 and 2006, the following constituents were analyzed by EPA Method 8260:

TPHg = Total petroleum hydrocarbons as gasoline

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

EDB = Ethylene dibromide

EDC = Ethylene dichloride

* From Table A and Table C of SFBRWQCB ESLs. Ref: Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater - Interim Final - November 2007 (Revised May, 2008).

** From Table B and Table D of SFBRWQCB ESLs. Ref: Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater - Interim Final - November 2007 (Revised May, 2008).

TABLE 2

HISTORICAL GROUND-WATER QUALITY DATABASE
2800 Telegraph Avenue
Oakland, CA

SAMPLE DATE	SAMPLE POINT	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	TPH-D (PPM)	OIL (PPM)
02-May-88	S-1	<0.05	0.005	<0.001	----	<0.004	<0.1	<0.5
08-Nov-88	S-1	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
02-May-89	S-1	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
03-Aug-89	S-1	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
03-Oct-89	S-1	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
16-Jan-90	S-1	<0.050	<0.0005	<0.0005	<0.0005	<0.001	N/A	N/A
13-Apr-90	S-1	<0.050	<0.0005	0.0006	<0.0005	<0.001	N/A	N/A
05-Jul-90	S-1	<0.05	<0.0005	<0.0005	<0.0005	<0.001	N/A	N/A
12-Oct-90	S-1	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A
22-Jan-91	S-1	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A
30-Apr-91	S-1	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A
12-Jul-91	S-1	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A
02-May-88	S-2	1.6	0.079	0.089	----	0.048	N/A	N/A
08-Nov-88	S-2	0.2	0.022	0.001	0.016	0.008	N/A	N/A
02-May-89	S-2	2.2	0.5	0.052	0.12	0.18	N/A	N/A
03-Aug-89	S-2	0.43	0.073	0.001	0.014	0.007	N/A	N/A
03-Oct-89	S-2	0.37	0.012	0.019	0.013	0.078	N/A	N/A
16-Jan-90	S-2	0.42	0.075	0.0099	0.032	0.052	N/A	N/A
13-Apr-90	S-2	0.34	0.063	0.0025	0.019	0.015	N/A	N/A
05-Jul-90	S-2	0.10	0.01	<0.0005	0.0018	0.002	N/A	N/A
12-Oct-90	S-2	<0.05	0.0020	<0.0005	<0.0005	<0.0005	N/A	N/A
22-Jan-91	S-2	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A
30-Apr-91	S-2	0.60	0.060	0.0036	0.016	0.015	N/A	N/A
12-Jul-91	S-2	0.15	0.022	<0.0005	0.0036	0.0027	N/A	N/A
02-May-88	S-3	46.	2.7	10.	----	10.	N/A	N/A
02-May-89	S-3	47.	2.0	6.0	1.7	7.2	N/A	N/A
13-Apr-90	S-3	16.	0.54	2.4	0.81	3.9	N/A	N/A

ATTACHMENT 4

TABLE 2

HISTORICAL GROUND-WATER QUALITY DATABASE
2800 Telegraph Avenue
Oakland, CA

SAMPLE DATE	SAMPLE POINT	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	TPH-D (PPM)	OIL (PPM)
05-Jul-90	S-3	16.	0.42	1.7	0.64	3.1	N/A	N/A
12-Oct-90	S-3	Free Product	0.12 ft					
22-Jan-91	S-3	Free Product	0.15 ft					
30-Apr-91	S-3	Free Product	0.13 ft					
12-Jul-91	S-3	Free Product	0.13 ft					
08-Nov-88	S-4	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
22-Feb-89	S-4	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
02-May-89	S-4	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
03-Aug-89	S-4	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
03-Oct-89	S-4	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
16-Jan-90	S-4	<0.050	<0.0005	<0.0005	<0.0005	0.001	N/A	N/A
13-Apr-90	S-4	<0.050	<0.0005	<0.0005	<0.0005	<0.001	N/A	N/A
05-Jul-90	S-4	<0.05	<0.0005	<0.0005	<0.0005	<0.001	N/A	N/A
12-Oct-90	S-4	<0.05	0.0010	0.0047	0.0010	0.0032	N/A	N/A
22-Jan-91	S-4	<0.05	<0.0005	<0.0005	<0.0005	0.0029	N/A	N/A
30-Apr-91	S-4	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A
12-Jul-91	S-4	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A
08-Nov-88	S-5	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
22-Feb-89	S-5	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
02-May-89	S-5	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
03-Aug-89	S-5	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
03-Oct-89	S-5	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
16-Jan-90	S-5	<0.050	<0.0005	<0.0005	<0.0005	0.001	N/A	N/A
13-Apr-90	S-5	<0.050	<0.0005	<0.0005	<0.0005	<0.001	N/A	N/A
05-Jul-90	S-5	<0.050	<0.0005	<0.0005	<0.0005	<0.001	N/A	N/A
12-Oct-90	S-5	<0.05	0.0005	0.0026	0.0005	0.0017	N/A	N/A
22-Jan-91	S-5	<0.05	<0.0005	<0.0005	<0.0005	0.0010	N/A	N/A
30-Apr-91	S-5	<0.05	<0.0005	<0.0005	<0.0005	0.0008	N/A	N/A

TABLE 2

HISTORICAL GROUND-WATER QUALITY DATABASE
2800 Telegraph Avenue
Oakland, CA

SAMPLE DATE	SAMPLE POINT	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	TPH-D (PPM)	OIL (PPM)
12-Jul-91	S-5	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A
08-Nov-88	S-6	5.5	1.7	0.02	0.02	0.12	N/A	N/A
22-Feb-89	S-6	6.0	2.4	0.05	0.11	0.3	N/A	N/A
02-May-89	S-6	9.1	3.7	0.12	0.28	0.3	N/A	N/A
03-Aug-89	S-6	7.1	2.4	<0.05	0.07	<0.2	N/A	N/A
03-Oct-89	S-6	5.9	1.6	0.033	0.058	0.10	N/A	N/A
16-Jan-90	S-6	5.9	1.8	0.15	0.16	0.41	N/A	N/A
13-Apr-90	S-6	5.9	1.8	0.07	0.02	0.16	N/A	N/A
05-Jul-90	S-6	4.2	1.2	0.02	0.03	0.08	N/A	N/A
12-Oct-90	S-6	1.7	0.39	0.0065	0.0036	0.016	N/A	N/A
22-Jan-91	S-6	2.2	0.44	0.015	<0.01	0.059	N/A	N/A
30-Apr-91	S-6	4.8	0.64	0.15	0.17	0.48	N/A	N/A
12-Jul-91	S-6	2.9	0.66	0.02	0.02	0.08	N/A	N/A
08-Nov-88	S-7	2.6	0.088	0.43	0.086	0.43	N/A	N/A
22-Feb-89	S-7	0.8	0.025	0.027	0.029	0.17	N/A	N/A
02-May-89	S-7	0.8	0.032	0.014	0.021	0.11	N/A	N/A
03-Aug-89	S-7	5.0	0.66	0.38	0.23	0.71	N/A	N/A
03-Oct-89	S-7	0.96	0.11	0.008	0.013	0.046	N/A	N/A
16-Jan-90	S-7	0.23	0.0010	0.0018	0.0031	0.017	N/A	N/A
13-Apr-90	S-7	0.32	0.0051	0.0008	0.0023	0.012	N/A	N/A
05-Jul-90	S-7	0.27	0.0055	0.001	0.0006	0.005	N/A	N/A
12-Oct-90	S-7	0.63	0.043	0.0053	0.0048	0.012	N/A	N/A
22-Jan-91	S-7	1.2	0.077	0.027	0.057	0.16	N/A	N/A
30-Apr-91	S-7	0.24	0.0032	0.0023	0.0036	0.010	N/A	N/A
12-Jul-91	S-7	0.96	0.067	0.0043	0.0068	0.032	N/A	N/A
03-Aug-89	S-8	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
03-Oct-89	S-8	1.6	0.022	0.11	0.053	0.24	N/A	N/A

TABLE 2

HISTORICAL GROUND-WATER QUALITY DATABASE
2800 Telegraph Avenue
Oakland, CA

SAMPLE DATE	SAMPLE POINT	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	TPH-D (PPM)	OIL (PPM)
16-Jan-90	S-8	2.0	0.040	0.15	0.090	0.40	N/A	N/A
13-Apr-90	S-8	1.6	0.027	0.071	0.048	0.21	N/A	N/A
05-Jul-90	S-8	1.5	0.025	0.075	0.067	0.25	N/A	N/A
12-Oct-90	S-8	1.0	0.017	0.031	0.034	0.12	N/A	N/A
22-Jan-91	S-8	0.82	0.017	0.037	0.030	0.12	N/A	N/A
30-Apr-91	S-8	2.9	0.046	0.11	0.12	0.33	N/A	N/A
12-Jul-91	S-8	0.82	0.034	0.038	0.041	0.11	N/A	N/A
03-Aug-89	S-9	1.6	0.032	0.12	0.052	0.25	N/A	N/A
03-Oct-89	S-9	<0.05	<0.0005	0.001	<0.001	0.003	N/A	N/A
16-Jan-90	S-9	<0.050	<0.0005	<0.0005	<0.0005	0.001	N/A	N/A
13-Apr-90	S-9	<0.050	0.0007	0.0023	<0.0005	0.003	N/A	N/A
05-Jul-90	S-9	<0.05	<0.0005	<0.0005	<0.0005	<0.001	N/A	N/A
12-Oct-90	S-9	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A
22-Jan-91	S-9	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A
30-Apr-91	S-9	<0.05	<0.0005	<0.0005	<0.0005	0.0006	N/A	N/A
12-Jul-91	S-9	<0.05	<0.0005	<0.0005	<0.0005	<0.0005		
03-Aug-89	S-10	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
03-Oct-89	S-10	<0.05	<0.0005	<0.001	<0.001	<0.003	N/A	N/A
16-Jan-90	S-10	<0.050	<0.0005	<0.0005	<0.0005	0.001	N/A	N/A
13-Apr-90	S-10	<0.050	<0.0005	<0.0005	<0.0005	<0.001	N/A	N/A
05-Jul-90	S-10	<0.05	<0.0005	<0.0005	<0.0005	<0.001	N/A	N/A
12-Oct-90	S-10	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A
22-Jan-91	S-10	<0.05	0.0007	0.0082	0.0022	0.014	N/A	N/A
30-Apr-91	S-10	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A
12-Jul-91	S-10	<0.05	<0.0005	<0.0005	<0.0005	<0.0005		
16-Oct-89	S-11	0.65	0.042	0.047	0.024	0.16	N/A	N/A
16-Jan-90	S-11	0.35	0.027	0.035	0.020	0.11	N/A	N/A

TABLE 2

HISTORICAL GROUND-WATER QUALITY DATABASE
2800 Telegraph Avenue
Oakland, CA

SAMPLE DATE	SAMPLE POINT	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	TPH-D (PPM)	OIL (PPM)
13-Apr-90	S-11	0.90	0.057	0.11	0.037	0.24	N/A	N/A
05-Jul-90	S-11	2.0	0.11	0.21	0.093	0.53	N/A	N/A
12-Oct-90	S-11	1.2	0.14	0.10	0.064	0.22	N/A	N/A
22-Jan-91	S-11	1.4	0.085	0.093	0.088	0.30	N/A	N/A
30-Apr-91	S-11	5.4	0.048	0.026	0.080	0.37	N/A	N/A
12-Jul-91	S-11	0.19	0.012	0.0023	0.010	0.044	N/A	N/A

Current Regional Water Quality Control Board Maximum Contaminant Levels
Benzene 0.001 ppm Xylenes 1.750 ppm Ethylbenzene 0.680 ppm

Current DHS Action Levels Toluene 0.1000 ppm

TPH-G = Total Petroleum Hydrocarbons calculated as Gasoline
PPM = Parts Per Million
NOTE: 1. DHS Action levels and MCL's are subject to change pending State of California review.
2. All data shown as <X are reported as ND (none detected).
3. Ethylbenzene and Xylenes were combined prior to May 1989.

Table 1. Historical Grab Groundwater Analytical Data, Former Shell Service Station, 2800 Telegraph Avenue, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (µg/l)	TPHd (µg/l)	TPHmo (µg/l)	Oil & Grease (µg/l)	B (µg/l)	T (µg/l)	E (µg/l)	X (µg/l)	MTBE (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TBA (µg/l)	EDB (µg/l)	EDC (µg/l)
*SH-1	11.5	18-Aug-92	110	<5	NA	<500	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA
HB-1	10	21-May-04	70,000	NA	NA	NA	<50	1,300	3,200	15,000	<50	<200	<200	<200	<500	<50	<50
HB-2	12	21-May-04	2,500	NA	NA	NA	<2.5	<2.5	110	200	<2.5	<10	<10	<10	<25	<2.5	<2.5
HB-3	11	21-May-04	86,000	NA	NA	NA	<50	1,300	4,300	21,000	<50	<200	<200	<200	<500	<50	<50

Abbreviations:

fbg = Feet below grade

µg/L = Micrograms per liter (parts per billion)

* Sample SH-1 collected from combined excavtion cavity of the former oil water separator and the former hydraulic lifts - EPA analytical methods for this sample not known.

<x = Not detected at reporting limit x.

NA = Not Analyzed or not available

The following constituents were analyzed by EPA Method 8260:

TPHg = Total petroleum hydrocarbons as gasoline

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

TBA = Tertiary butanol

EDB = Ethylene dibromide

EDC = Ethylene dichloride

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-1	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.50	25.81	NA
S-1	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.85	24.46	NA
S-1	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.34	24.97	NA
S-1	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.60	27.71	NA
S-1	06/07/1993	<50	2.8	1.3	0.7	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.63	26.68	NA
S-1	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.20	26.11	NA
S-1	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.58	24.73	NA
S-1	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.41	26.90	NA
S-1	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.09	26.22	NA
S-1	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.81	26.50	NA
S-1	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.32	25.99	NA
S-1	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	6.98	28.33	NA
S-1	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.35	25.96	NA
S-1	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.45	27.86	NA
S-1	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.91	26.40	NA
S-1	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.33	25.98	NA
S-1	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.11	25.20	NA
S-1	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.93	27.38	NA
S-1	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.94	26.37	NA
S-1	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.55	25.76	NA
S-1	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.43	25.88	NA
S-1	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.21	27.10	NA
S-1	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.27	27.04	NA
S-1	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.97	26.34	NA
S-1	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.89	25.42	NA
S-1	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.45	26.86	NA
S-1	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.04	26.27	NA
S-1	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.11	26.20	NA

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S-1	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.00	26.31	NA
S-1	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.31	28.00	NA
S-1	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.85	26.46	NA
S-1	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.50	25.81	NA
S-1	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.16	25.15	NA
S-1	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.16	27.15	NA
S-1	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.09	8.74	26.35	NA
S-1	09/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	35.09	8.79	26.30	NA
S-1	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	35.09	8.43	26.66	NA
S-1	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	35.09	7.34	27.75	NA
S-1	04/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	35.09	8.23	26.86	NA
S-1	08/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	35.09	9.46	25.63	NA
S-1	11/17/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	35.09	8.42	26.67	NA
S-1	02/08/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	35.09	8.28	26.81	NA
S-1	05/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	35.09	7.80	27.29	NA
S-2	05/04/1992	1600	190	6.0	240	54	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	9.44	24.47	NA
S-2	08/10/1992	<50	4.1	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	10.73	23.18	NA
S-2	09/11/1992	84	19	0.7	2.2	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	NA	NA	NA
S-2	11/09/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	10.29	23.62	NA
S-2	02/23/1993	16000	1600	480	850	1800	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	9.04	24.87	NA
S-2	04/08/1993	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	05/04/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.56	9.22	24.34	NA
S-3	08/10/1992	Well paved over		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3R	03/13/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	4.50	28.15	NA
S-3R	03/17/2006	6930	1.99	7.79	126	90.2	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	32.65	4.28	28.37	NA

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S-3R	07/06/2006	525	<0.500	<0.500	5.67	3.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	4.01	28.64	NA
S-3R	09/25/2006	630	0.62	1.0	4.5	4.5	NA	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	NA	32.65	7.84	24.81	NA
S-3R	11/30/2006	580	<0.50	0.57	2.8	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	7.90	24.75	NA
S-3R	03/21/2007	470	<2.0	<2.0	4.5	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	6.11	26.54	NA
S-3R	06/28/2007	280 d	0.17 e	0.35 e	1.6	0.74 e	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	8.11	24.54	NA
S-3R	09/17/2007	120 d	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	32.65	8.85	23.80	NA
S-3R	11/29/2007	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	NA	NA	NA
S-3R	03/25/2008	490	<0.50	<1.0	1.9	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	7.50	25.15	NA
S-3R	**05/28/2008**	**450**	**<0.50**	**<1.0**	**1.1**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**32.65**	**7.83**	**24.82**	**NA**
S-4	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.96	24.12	NA
S-4	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.32	22.76	NA
S-4	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.29	22.79	NA
S-4	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.82	24.26	NA
S-4	06/07/1993	50	9.2	5.5	3.3	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.51	23.57	NA
S-4	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.05	23.03	NA
S-4	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.34	22.74	NA
S-4	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.93	24.15	NA
S-4	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.40	23.68	NA
S-4	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.68	23.40	NA
S-4	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.44	24.64	NA
S-4	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.18	24.90	NA
S-4	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.62	23.46	NA
S-4	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.23	24.85	NA
S-4	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.37	23.71	NA
S-4	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.69	23.39	NA
S-4	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.96	23.12	NA
S-4	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.37	24.71	NA

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S-4	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.25	23.83	NA
S-4	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.60	23.48	NA
S-4	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.52	23.56	NA
S-4	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.79	24.29	NA
S-4	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.56	24.52	NA
S-4	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.51	23.57	NA
S-4	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.01	23.07	NA
S-4	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.53	23.55	NA
S-4	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.73	24.35	NA
S-4	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.48	23.60	NA
S-4	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.67	23.41	NA
S-4	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	8.99	25.09	NA
S-4	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.31	23.77	NA
S-4	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.77	23.31	NA
S-4	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.97	23.11	NA
S-4	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	34.08	8.21	25.87	NA
S-4	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.01	10.23	23.78	NA
S-4	09/29/2003	<50	<0.50	<0.50	1.9	2.6	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	34.01	10.42	23.59	NA
S-4	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	34.01	10.14	23.87	NA
S-4	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	34.01	9.41	24.60	NA
S-4	04/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	34.01	9.84	24.17	NA
S-4	08/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	34.01	10.50	23.51	NA
S-4	11/17/2004	<50 c	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	34.01	9.83	24.18	NA
S-4	02/08/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	34.01	9.40	24.61	NA
S-4	05/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	34.01	8.90	25.11	NA
S-5	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.27	23.15	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-5	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.68	22.74	NA
S-5	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.69	22.73	NA
S-5	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.45	23.97	NA
S-5	06/07/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.23	23.19	NA
S-5	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.58	22.84	NA
S-5	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.70	22.72	NA
S-5	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.75	23.67	NA
S-5	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.19	23.23	NA
S-5	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.30	23.12	NA
S-5	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.64	23.78	NA
S-5	02/03/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.59	23.83	NA
S-5	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.23	23.90	NA
S-5	02/02/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.51	23.91	NA
S-5	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.15	23.27	NA
S-5	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.30	23.12	NA
S-5	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.54	22.88	NA
S-5	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.56	23.86	NA
S-5	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.03	23.39	NA
S-5	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.23	23.19	NA
S-5	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.25	23.17	NA
S-5	01/07/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.83	23.59	NA
S-5	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.73	23.69	NA
S-5	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.04	23.38	NA
S-5	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.91	22.51	NA
S-5	01/12/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.80	23.62	NA
S-5	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.09	24.33	NA
S-5	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.05	23.37	NA
S-5	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.30	23.12	NA

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S-5	03/07/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.11	24.31	NA
S-5	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.11	23.31	NA
S-5	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.37	23.05	NA
S-5	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.56	22.86	NA
S-5	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	33.42	7.93	25.49	NA
S-5	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.26	9.87	23.39	NA
S-5	09/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	33.26	10.02	23.24	NA
S-5	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	33.26	9.77	23.49	NA
S-5	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	33.26	9.28	23.98	NA
S-5	04/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	33.26	9.44	23.82	NA
S-5	08/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	33.26	10.05	23.21	NA
S-5	11/17/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	33.26	9.54	23.72	NA
S-5	02/08/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	33.26	9.39	23.87	NA
S-5	05/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	33.26	8.95	24.31	NA
S-6	05/04/1992	3100	640	22	23	97	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.42	23.17	NA
S-6	08/10/1992	3400	430	27	26	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10.40	22.19	NA
S-6	11/09/1992	2000	320	15	15	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10.16	22.43	NA
S-6	02/23/1993	14000	780	180	380	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.60	24.99	NA
S-6	06/07/1993	3900	1400	56	83	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.90	23.69	NA
S-6	08/13/1993	4000a	890	16	<0.5	41	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.39	23.20	NA
S-6	11/18/1993	80	5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10.32	22.27	NA
S-6	02/10/1994	4100	370	23	21	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.68	23.91	NA
S-6	05/03/1994	4700	550	28	85	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.20	23.39	NA
S-6	08/01/1994	2900	370	11	11	43	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.90	23.69	NA
S-6	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.32	23.69	NA
S-6	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.04	23.69	NA
S-6	08/02/1995	1400	160	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.26	23.19	NA

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S-6	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.90	24.69	NA
S-6	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.98	23.61	NA
S-6	08/02/1996	1600	150	9.2	13	23	17	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.34	23.25	NA
S-6	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.96	22.63	NA
S-6	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.38	25.21	NA
S-6	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.16	23.43	NA
S-6	07/01/1997	<50	1.5	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.60	22.99	NA
S-6	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.64	22.95	NA
S-6	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.34	24.25	NA
S-6	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.93	24.66	NA
S-6	07/02/1998	370	22	0.62	<0.50	<0.50	5.60	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.85	22.74	NA
S-6	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10.48	22.11	NA
S-6	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.63	22.96	NA
S-6	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.08	23.51	NA
S-6	07/09/1999	52	2.3	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.33	23.26	NA
S-6	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.80	22.79	NA
S-6	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.05	25.54	NA
S-6	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.05	23.54	NA
S-6	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.65	22.94	NA
S-6	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.51	23.08	NA
S-6	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.14	25.45	NA
S-6	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	9.14	23.22	NA
S-6	09/29/2003	1700	13	4.6	<2.5	5.8	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	32.36	9.32	23.04	NA
S-6	11/20/2003	4500	45	14	36	28	NA	<1.0	<4.0	<4.0	<4.0	<10	<1.0	<1.0	<100	32.36	8.29	24.07	NA
S-6	02/04/2004	3700	41	14	9.1	38	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	32.36	7.90	24.46	NA
S-6	04/21/2004	2800	13	6.9	5.0	12	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	32.36	8.50	23.86	NA
S-6	08/12/2004	2700	15	4.4	<2.5	<5.0	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	32.36	9.40	22.96	NA
S-6	11/17/2004	2700	13	5.6	8.1	11	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	32.36	8.23	24.13	NA

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S-6	02/08/2005	1700	3.8	2.7	26	29	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	32.36	7.77	24.59	NA
S-6	05/13/2005	3000	9.0	6.6	3.7	21	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	32.36	7.25	25.11	NA
S-6	08/17/2005	1600	4.0	2.9	0.71	4.9	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.36	8.62	23.74	NA
S-6	03/17/2006	9760	15.4	9.83	32.9	44.6	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	32.36	6.31	26.05	NA
S-6	07/06/2006	4680	9.09	9.16	3.51	32.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	7.17	25.19	NA
S-6	09/25/2006	3100	5.1	4.4	2.8	8.1	NA	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	NA	32.36	8.86	23.50	NA
S-6	11/30/2006	2600	7.0	4.1	3.4	7.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	8.79	23.57	NA
S-6	03/21/2007	2100	9.0	3.1	4.9	9.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	8.21	24.15	NA
S-6	06/28/2007	2200 d	4.4	2.1	0.97 e	3.51 e	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	8.80	23.56	NA
S-6	09/17/2007	2900 d,f	2.1	1.0	0.30 e	1.24 e	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	32.36	10.08	22.28	NA
S-6	11/29/2007	3300 d	2.0	0.97 e	0.41 e	2.21 e	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	8.99	23.37	NA
S-6	03/25/2008	2800	2.4	2.1	<1.0	10.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	8.27	24.09	NA
S-6	**05/28/2008**	**1,400**	**2.0**	**1.3**	**<1.0**	**2.3**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**32.36**	**8.70**	**23.66**	**NA**
S-6 (D)	08/01/1994	2600	340	8.8	7.7	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	NA	NA	NA
S-6 (D)	08/02/1995	1400	170	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	NA	NA	NA
S-7	05/04/1992	180	1.6	<0.5	1.5	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.21	22.12	NA
S-7	08/10/1992	190	8.0	1.4	4.7	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	12.28	21.05	NA
S-7	11/09/1992	280	16	4.0	7.8	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.77	21.56	NA
S-7	02/23/1993	210	13	2.2	5.4	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.86	24.47	NA
S-7	06/07/1993	90	1.2	2.5	1.0	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.58	22.75	NA
S-7	08/13/1993	140	4.0	0.8	<0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.34	21.99	NA
S-7	11/18/1993	440	43	4.9	0.9	4.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	12.00	21.33	NA
S-7	02/10/1994	250a	<0.5	<0.5	1.8	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	9.88	23.45	NA
S-7	05/03/1994	130	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.75	22.58	NA
S-7	08/01/1994	250	4.8	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.05	22.28	NA
S-7	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	9.64	23.69	NA

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S-8	08/01/1994	1500	20	18	39	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.32	21.65	NA
S-8	11/08/1994	2100	22	38	73	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.25	22.72	NA
S-8	02/03/1995	4800	67	39	130	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.99	22.98	NA
S-8	05/04/1995	2600	31	23	71	310	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.22	22.75	NA
S-8	08/02/1995	1700	10	9.1	48	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.36	21.61	NA
S-8	11/02/1995	1200	16	13	72	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.72	21.25	NA
S-8	02/02/1996	7100	29	140	360	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.92	23.05	NA
S-8	05/04/1996	3500	13	27	110	400	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.86	22.11	NA
S-8	08/02/1996	850	9.6	7.4	30	160	11	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.30	21.67	NA
S-8	10/02/1996	980	<5.0	11	13	92	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.71	21.26	NA
S-8	01/08/1997	6400	88	48	190	500	<100	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.88	23.09	NA
S-8	04/17/1997	1700	23	7.4	34	50	74	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.00	21.97	NA
S-8	07/01/1997	140	2.8	<0.50	<0.50	0.58	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.40	21.57	NA
S-8	10/07/1997	300	2.7	0.63	4.6	8.4	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.50	21.47	NA
S-8	01/07/1998	110	1.2	<0.50	<0.50	1.6	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.27	22.70	NA
S-8	04/02/1998	4500	140	77	140	380	<12	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.31	22.66	NA
S-8	07/02/1998	330	4.2	0.79	1.7	2.3	4.8	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.48	22.49	NA
S-8	10/01/1998	52	0.76	<0.50	<0.50	0.70	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.08	21.89	NA
S-8	01/12/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.50	21.47	NA
S-8	04/19/1999	3360	29.6	24.6	137	398	<100	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.45	22.52	NA
S-8	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.25	21.72	NA
S-8	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.70	21.27	NA
S-8	03/07/2000	16500	461	397	665	1240	229	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.45	23.52	NA
S-8	06/01/2000	317	4.05	0.943	0.595	1.08	29.9	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.03	21.94	NA
S-8	09/08/2000	330	2.14	1.45	7.21	16.5	39.9	<1.00b	NA	NA	NA	NA	NA	NA	NA	31.97	10.58	21.39	NA
S-8	11/29/2000	188	2.70	<0.500	2.43	1.44	7.27	<1.00b	NA	NA	NA	NA	NA	NA	NA	31.97	10.25	21.72	NA
S-8	03/09/2001	4110	80.1	23.0	90.6	95.0	70.4	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.99	22.98	NA
S-8	09/12/2001	NA	NA	NA	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	31.97	10.67	21.30	NA

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S-7	02/03/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.53	24.80	NA
S-7	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.10	22.23	NA
S-7	02/02/1996	480	2.2	2.4	7.9	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.58	24.75	NA
S-7	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.41	22.92	NA
S-7	08/02/1996	300	20	2.2	3.8	7.9	21	11	NA	NA	NA	NA	NA	NA	NA	33.33	11.18	22.15	NA
S-7	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	12.12	21.21	NA
S-7	01/08/1997	850	16	6.3	20	59	<25	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.23	25.10	NA
S-7	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.75	22.58	NA
S-7	07/01/1997	120	2.4	<0.50	2.9	2.6	3.5	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.40	21.93	NA
S-7	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.50	21.83	NA
S-7	04/19/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	33.33	9.39	23.94	NA
S-7	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.15	22.18	NA
S-7	10/06/1999	216	5.04	<0.500	2.23	4.82	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.65	21.68	NA
S-7	NA	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7 (D)	08/02/1996	340	22	2.2	4.4	8.9	20	NA	NA	NA	NA	NA	NA	NA	NA	33.33	NA	NA	NA
S-7 (D)	01/08/1997	840	15	<5.0	21	63	25	NA	NA	NA	NA	NA	NA	NA	NA	33.33	NA	NA	NA
S-7 (D)	07/01/1997	120	2.4	<0.50	2.9	2.6	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.33	NA	NA	NA
S-8	05/04/1992	1600	20	420	96	330	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.29	21.68	NA
S-8	08/10/1992	1500	19	37	60	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	11.12	20.85	NA
S-8	11/09/1992	710	5.7	24	28	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.71	21.26	NA
S-8	02/23/1993	3800	40	54	68	260	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	6.04	25.93	NA
S-8	06/07/1993	1200	13	19	65	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.06	21.91	NA
S-8	08/13/1993	1300	21	23	49	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.56	21.41	NA
S-8	11/18/1993	870	16	5.3	59	230	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.90	21.07	NA
S-8	02/10/1994	2400	11	55	120	530	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.53	22.44	NA
S-8	05/03/1994	3100	12	27	130	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.06	21.91	NA

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S-8	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	10.02	21.87	NA
S-8	09/29/2003	Well inaccessible			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	NA	NA	NA
S-8	10/03/2003	1700	<2.5	8.1	53	140	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	31.89	9.99	21.90	NA
S-8	11/20/2003	7100	110	33	150	290	NA	2.8	<10	<10	<10	<25	<2.5	<2.5	<250	31.89	9.14	22.75	NA
S-8	02/04/2004	4400	41	8.6	37	120	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	31.89	8.89	23.00	NA
S-8	04/21/2004	3300	11	4.0	39	150	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	31.89	9.33	22.56	NA
S-8	08/12/2004	1300	<2.5	<2.5	18	76	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	31.89	10.06	21.83	NA
S-8	11/17/2004	1900	<1.0	4.5	17	79	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	31.89	9.62	22.27	NA
S-8	02/08/2005	3700	45	5.4	21	39	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	31.89	9.03	22.86	NA
S-8	05/13/2005	3000	8.8	5.7	3.0	20	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	31.89	8.58	23.31	NA
S-8	08/17/2005	2300	<1.0	2.3	6.5	41	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	31.89	9.64	22.25	NA
S-8	03/17/2006	10000	84.0	14.9	65.1	95.8	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	31.89	8.38	23.51	NA
S-8	07/06/2006	2910	3.46	0.560	9.12	47.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	9.22	22.67	NA
S-8	09/25/2006	1100	0.64	1.3	5.9	15	NA	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	NA	31.89	9.80	22.09	NA
S-8	11/30/2006	1100	0.54	1.4	7.2	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	9.70	22.19	NA
S-8	03/21/2007	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	NA	NA	NA
S-8	06/28/2007	1500 d	0.30 e	0.76 e	1.7	6.81 e	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	9.52	22.37	NA
S-8	09/17/2007	620 d	<0.50	0.60 e	3.4	6.03 e	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	31.89	10.16	21.73	NA
S-8	11/29/2007	890 d	0.16 e	0.81 e	2.6	9.37 e	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	9.91	21.98	NA
S-8	03/25/2008	2800	1.5	1.2	3.3	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	9.48	22.41	NA
S-8	**05/28/2008**	**1,200**	**<0.50**	**<1.0**	**<1.0**	**3.4**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**31.89**	**9.73**	**22.16**	**NA**
S-8 (D)	02/10/1994	2400	11	46	100	440	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/03/1994	3000	21	25	120	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	11/08/1994	2100	20	31	75	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	02/03/1995	3700	53	30	100	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/04/1995	3300	38	26	89	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	08/02/1995	1200	15	13	70	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA

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S-8 (D)	02/02/1996	7800	33	160	400	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/04/1996	5100	19	37	190	690	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	10/02/1996	1300	<5.0	10	28	180	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	04/17/1997	1600	25	7.4	30	43	34	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	01/07/1998	150	1.8	0.6	<0.50	2.2	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	07/02/1998	360	4.3	0.89	1.7	2.3	5.7	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-9	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.45	21.41	NA
S-9	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	11.52	20.34	NA
S-9	11/09/1992	<50	<0.5	<0.5	<0.5	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	11.02	20.84	NA
S-9	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	8.00	23.86	NA
S-9	06/07/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.07	21.79	NA
S-9	08/13/1993	140	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.92	20.94	NA
S-9	11/18/1993	170	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	11.19	20.67	NA
S-9	02/10/1994	140	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.16	22.70	NA
S-9	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.03	21.83	NA
S-9	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.52	21.34	NA
S-9	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.08	22.78	NA
S-9	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	8.37	23.49	NA
S-9	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.35	22.51	NA
S-9	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	7.53	24.33	NA
S-9	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.60	22.26	NA
S-9	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	12	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.46	21.40	NA
S-9	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.66	21.20	NA
S-9	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	7.20	24.66	NA
S-9	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.96	21.90	NA
S-9	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	3.9	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.64	21.22	NA
S-9	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.63	21.23	NA

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S-9	04/19/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	31.86	8.69	23.17	NA
S-9	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.45	21.41	NA
S-9	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.90	20.96	NA
S-9	NA	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.54	24.41	NA
S-10	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.43	22.52	NA
S-10	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.14	23.81	NA
S-10	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.72	26.23	NA
S-10	06/07/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.08	24.87	NA
S-10	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.83	24.12	NA
S-10	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.46	23.49	NA
S-10	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7.41	25.54	NA
S-10	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.16	24.79	NA
S-10	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.29	24.66	NA
S-10	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7.02	25.93	NA
S-10	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.79	26.16	NA
S-10	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.30	24.65	NA
S-10	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.49	26.46	NA
S-10	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7.55	25.40	NA
S-10	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.25	23.70	NA
S-10	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.54	22.41	NA
S-10	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.47	26.48	NA
S-10	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7.78	25.17	NA
S-10	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.83	24.12	NA
S-10	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.89	24.06	NA
S-10	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.97	25.98	NA
S-10	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.96	25.99	NA

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Former Shell Service Station
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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-10	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.41	22.54	NA
S-10	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	11.03	21.92	NA
S-10	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.33	22.62	NA
S-10	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.72	23.23	NA
S-10	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.98	23.97	NA
S-10	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.15	23.80	NA
S-10	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.01	26.94	NA
S-10	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.13	24.82	NA
S-10	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.10	23.85	NA
S-10	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.32	23.63	NA
S-10	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.54	26.41	NA
S-10	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.93	9.13	23.80	NA
S-10	09/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.93	9.26	23.67	NA
S-10	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.93	7.15	25.78	NA
S-10	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.93	6.80	26.13	NA
S-10	04/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.93	7.71	25.22	NA
S-10	08/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.93	9.26	23.67	NA
S-10	11/17/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.93	7.44	25.49	NA
S-10	02/08/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.93	6.94	25.99	NA
S-10	05/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.93	6.41	26.52	NA
S-11	05/04/1992	1500	55	32	57	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.99	20.79	NA
S-11	08/10/1992	750	29	13	43	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.92	19.86	NA
S-11	11/09/1992	4100	32	62	120	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.44	20.34	NA
S-11	02/23/1993	760	15	13	37	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7.30	23.48	NA
S-11	06/07/1993	1700	40	16	100	360	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.51	21.27	NA
S-11	08/13/1993	60	0.9	<0.5	0.8	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.39	20.39	NA
S-11	11/18/1993	150	7.8	1.0	9.0	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.64	20.14	NA

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S-11	02/10/1994	4400	53	19	160	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.50	22.28	NA
S-11	05/03/1994	65	1.5	<0.5	0.53	0.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.42	21.36	NA
S-11	08/01/1994	240	18	6.7	6.9	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.12	20.66	NA
S-11	11/08/1994	490	14	5.2	15	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.84	21.94	NA
S-11	02/03/1995	380	4.1	0.9	1.4	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7.12	23.66	NA
S-11	05/04/1995	110	1.3	<0.5	1.1	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7.96	22.82	NA
S-11	08/02/1995	230	22	11	13	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.88	20.90	NA
S-11	11/02/1995	200	26	10	10	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.10	20.68	NA
S-11	02/02/1996	110	2.9	1.0	2.6	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7.33	23.45	NA
S-11	05/04/1996	<50	0.70	0.54	0.82	2.6	7.5	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.62	22.16	NA
S-11	08/02/1996	200	11	4.6	12	38	10	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.85	20.93	NA
S-11	10/02/1996	290	20	6.2	16	48	8.4	NA	NA	NA	NA	NA	NA	NA	NA	30.78	11.00	19.78	NA
S-11	01/08/1997	56	2.0	<0.50	1.0	5.8	5.2	NA	NA	NA	NA	NA	NA	NA	NA	30.78	6.20	24.58	NA
S-11	04/17/1997	<50	0.88	<0.50	<0.50	<0.50	3.2	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.81	21.97	NA
S-11	07/01/1997	610	50	5.9	24	110	3.1	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.47	20.31	NA
S-11	10/07/1997	440	43	3.0	13	110	4.9	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.32	20.46	NA
S-11	04/19/1999	<50.0	0.530	<0.500	<0.500	5.22	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.31	22.47	NA
S-11	07/09/1999	53	2.3	<0.50	<0.50	8.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.19	21.59	NA
S-11	10/06/1999	1210	39.1	<10.0	26.4	139	<100	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.25	20.53	NA
S-11	NA	Well Abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-11 (D)	06/07/1993	1600	51	16	83	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	NA	NA	NA
S-11 (D)	08/13/1993	70	2.1	<0.5	0.9	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	NA	NA	NA
S-11 (D)	10/07/1997	360	39	2.0	7.2	74	4.9	NA	NA	NA	NA	NA	NA	NA	NA	30.78	NA	NA	NA
SR-1	05/04/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.02	NA	NA
SR-1	08/10/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.29	NA	NA
SR-1	11/09/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.92	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
SR-1	02/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.64	NA	NA
SR-1	06/07/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.36	NA	NA
SR-1	08/13/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.96	NA	NA
SR-1	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.02	NA	NA
SR-1	02/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	05/03/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.28	NA	NA
SR-1	08/01/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.98	NA	NA
SR-1	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.75	NA	NA
SR-1	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.20	NA	NA
SR-1	05/04/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.10	NA	NA
SR-1	08/02/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.31	NA	NA
SR-1	11/02/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.62	NA	NA
SR-1	02/02/1996	90	6.1	6.7	2.8	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.30	NA	NA
SR-1	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.10	NA	NA
SR-1	08/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.10	NA	NA
SR-1	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.25	NA	NA
SR-1	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.18	NA	NA
SR-1	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.01	NA	NA
SR-1	07/01/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.36	NA	NA
SR-1	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.22	NA	NA
SR-1	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.45	NA	NA
SR-1	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.43	NA	NA
SR-1	07/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.87	NA	NA
SR-1	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.42	NA	NA
SR-1	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.24	NA	NA
SR-1	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.64	NA	NA
SR-1	07/09/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.40	NA	NA
SR-1	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.30	NA	NA

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SR-1	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.25	NA	NA
SR-1	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.59	NA	NA
SR-1	09/08/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.22	NA	NA
SR-1	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.65	NA	NA
SR-1	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.78	NA	NA
SR-1	09/12/2001	NA	NA	NA	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	9.23	NA	NA
SR-1	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.02	24.57	NA
SR-1	09/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.59	8.35	24.24	NA
SR-1	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.59	6.85	25.74	NA
SR-1	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.59	6.58	26.01	NA
SR-1	04/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.59	6.96	25.63	NA
SR-1	08/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.59	8.42	24.17	NA
SR-1	11/17/2004	<50 c	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.59	7.30	25.29	NA
SR-1	02/08/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.59	6.44	26.15	NA
SR-1	05/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.59	6.33	26.26	NA
SR-1 (D)	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to September 29, 2003, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to September 29, 2003, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260
1,2-DCA = 1,2-dichloroethane, analyzed by EPA Method 8260
EDB = 1,2-dibromomethane or ethlyene dibromide, analyzed by EPA Method 8260
TOC = Top of Casing Elevation
TOB = Top of Wellbox Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
ug/L = parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)

Notes:

a = Chromatogram pattern indicated the presence of an unidentified hydrocarbon.

b = This sample analyzed outside of EPA recommended hold time.

c = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.

d = Analyzed by EPA Method 8015B (M).

e = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

f = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Ethanol analyzed by EPA Method 8260B.

Prior to September 18, 2003, depths to water and groundwater elevation referenced to Top of Box elevation.

Active wells surveyed July 29, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

1Q06 Top of Casing elevation for well S-3R provided by Cambria Environmental Technology, Inc.

Table 1. Well/Boring Data, Former Shell Service Station, 2800 Telegraph, Oakland, California

Well/ Boring ID	Boring Type	Completion Date	TOC Elev (ft msl)	Total Depth (fbg)	Soil Sample Interval or Depths Ft)	GW Depth First Encountered	Screen Diam. (In)	Screen Depth (ft) Top	Bottom	Comments
S-1	Well HSA	22-Apr-88	35.31	28.5	5	12	3	3.5	27.5	Well Destroyed on 11/11/05
S-2	Well HSA	22-Apr-88	33.91	28.5	5	12	3	3.5	27.5	Well Destroyed in 1993
S-3	Well HSA	22-Apr-88	33.56	28.5	5	12	3	3.5	27.5	Well Destroyed on 3/10/06
*S-4	Well HSA	31-Oct-88	34.08	30.5	--	--	--	--	--	Well Destroyed on 11/11/05
*S-5	Well HSA	31-Oct-88	33.42	30.5	--	--	--	--	--	Well Destroyed on 11/11/05
*S-6	Well HSA	31-Oct-88	32.59	22.0	--	--	--	--	--	
*S-7	Well HSA	31-Oct-88	33.33	30.5	--	--	--	--	--	Well Destroyed on 11/11/05
S-8	Well HSA	24-Jul-89	31.97	19.5	5	16	3	9.5	19.5	
S-9	Well HSA	17-Jul-89	31.86	32.0	5	14	3	14.0	29.5	Well Destroyed on 11/19/99
S-10	Well HSA	24-Jul-89	32.95	30.5	5	14	3	12.0	24.0	Well Destroyed on 11/11/05
S-11	Well HSA	03-Oct-89	30.78	30.5	5	14	3	9.0	19.0	Well Destroyed on 11/19/99
SR-1	Recovery Well HSA	03-Oct-89	32.59	35.0	5	14	6	10.0	35.0	Well Destroyed on 11/11/05
SV-1	Vadose Well HSA	11-Sep-91	NA	9.9	4, 7, 9	9	2	3.0	8.0	Unknown Date of Destruction
SV-2	Vadose Well HSA	11-Sep-91	NA	8.0	4, 7	NA	2	3.0	8.0	Unknown Date of Destruction
S-3R	Well HSA	10-Mar-06	32.65	14	C	9	4	5.0	14.0	This well replaced S-3 as onsite source well

Abbreviations:

TOC = Top of Casing referenced to mean sea level (msl)

Elev = Elevation

GW = Groundwater

ft = feet

ft msl = Feet referenced to mean sea level

fbg = Feet below grade

C = Continuous

Diam. = Diameter

In = inches

HSA = Hollow-stem auger

NA = Data not available

First encountered groundwater in fbg measured on drilling date

*S-4, etc... = No boring logs available for construction specifications or other details

ATTACHMENT 5

Woodward-Clyde Consultants PROJECT NAME GETTLER RYAN NO. 8520011A

MONITORING WELL LOCATION 2600 Telegraph Avenue, Oakland CA: S-1			ELEVATION AND DATUM
DRILLING AGENCY Bay Land Drilling	DRILLER		DATE STARTED 4/22/88 DATE FINISHED
DRILLING EQUIPMENT CME - 55 Truckmount			COMPLETION DEPTH 28.5' / SAMPLER Modified California Sampler
DRILLING METHOD 8" HSA	DRILL BIT CME Carbide		NO. OF SAMPLES / DIST. 5 / UNDIST.
SIZE AND TYPE OF CASING 3" PVC			WATER LEVEL / FIRST 12' / COMPL. N/A / 24 HRS.
TYPE OF PERFORATION 0.020" slotted	FROM 27.5 TO 3.5 FT.		LOGGED BY: S. Bluestone / CHECKED BY: M. Berkowski
SIZE AND TYPE OF PACK 12/20 Monterey Sand	FROM 28.5 TO 2.0 FT.		
TYPE OF SEAL NO. 1 Bentonite Pellets	FROM 2.0 TO 1.5 FT.		
NO. 2 Concrete Grout	FROM 1.5 TO G.S. FT.		

Depth (feet)	Samples	Blows	MATERIAL DESCRIPTION	USCS	Well Construction
			ASPHALT		
			SILTY SAND (Cuttings) dark brown, with fine to medium sand grains, little coarse sand, moist, loose	SM	
5	1	pushed wt. 300 psi	SILTY CLAY light olive gray and brown mottled, little fine sand, low plasticity, soft, moist, appears to be interbedded with thin layers (0.5' - 1' thick) of Silty Sand, trace to little black organic debris — H Nu = 0 No Hydrocarbon odor	CL	
10	2	4 5 13	CLAY light brown to olive gray mottled, little fine sand, medium plasticity, stiff, wet — H Nu = 0 No Hydrocarbon odor	CL	
			CLAYEY GRAVEL? (Cuttings) (according to driller)	GC(?)	
15	3	4 9 25	CLAYEY SAND to SANDY CLAY light brown and gray mottled, little coarse sand, some medium to fine sand, little gravel to 1.5", moderate plasticity, medium dense — H Nu = 0 No Hydrocarbon odor	SC-CL	
20	4	5 7 10	CLAYEY GRAVEL to CLAYEY SAND with interbeds of SANDY CLAY to abt. 5" & SILTY SAND light brown to gray mottled, moderate plasticity saturated, medium dense, saturated — H Nu = 0 No Hydrocarbon odor	GC-SC, CL, SM	
			GRAVEL (according to driller)		
25	5	4 6 8	CLAYEY SAND to SANDY CLAY olive gray to light brown mottled, fine to medium sand, moderate plasticity, stiff (or med. dense), saturated — H Nu = 0 No Hydrocarbon odor	SC-CL	
30			Bottom of Well: 28.5 feet		
35					

LOG OF MONITORING WELL NO. S-1 SHEET 1 OF 1

Woodward-Clyde Consultants

PROJECT NAME GETTLER RYAN NO. 8820011A

MONITORING WELL LOCATION 2800 Telegraph Avenue, Oakland CA; S-2		ELEVATION AND DATUM	
DRILLING AGENCY Bay Land Drilling	DRILLER	DATE STARTED / DATE FINISHED 4/22/88	
DRILLING EQUIPMENT CME - 55 Truckmount		COMPLETION DEPTH 28.5'	SAMPLER Modified California Sampler
DRILLING METHOD 8" HSA	DRILL BIT CME Carbide	NO. OF SAMPLES DIST. 5	UNDIST.
SIZE AND TYPE OF CASING 3" PVC		WATER LEVEL FIRST ATD 12'	COMPL. N/A 24 HRS.
TYPE OF PERFORATION 0.020" slotted	FROM 27.5 TO 3.5 FT.	LOGGED BY: S. Bluestone	CHECKED BY: M. Bonkowski
SIZE AND TYPE OF PACK 12/20 Monterey Sand	FROM 28.5 TO 2.0 FT.		
TYPE OF SEAL NO. 1 Bentonite Pellets	FROM 2.0 TO 1.5 FT.		
NO. 2 Concrete Grout	FROM 1.5 TO G.S. FT.		

Depth (feet)	Samples	Blows	MATERIAL DESCRIPTION	USCS	Well Construction
			ASPHALT		
			FILL - CLAYEY SAND to SILTY SAND (Cuttings) dark brown, with little coarse sand, fine grained, moist, loose, brick fragments, little organics	SC-SM	
5	1	pushed	CLAYEY SAND to SANDY SILT olive gray, fine grained, low plasticity, loose (soft), moist, little organic debris — H Nu = 450 Strong Hydrocarbon odor	SC-ML	
			dark gray about 8 - 9'		
10	2	3, 4, 8	SANDY CLAY to SANDY SILT light brown to brown, moderate plasticity, stiff, wet — H Nu = 375 ppm Strong Hydrocarbon odor	CL-ML	
			SILTY SAND to SAND medium brown to medium gray, fine grained to very coarse grained with little gravels (fining upwards), medium dense, saturated, (interbedded graded sands from abt. 2" to abt. 1.5') — H Nu = 30 ppm Weak Hydrocarbon odor	SM-SW	
15	3	6, 16, 18			
20	4	13, 12, 6	overall increase in grain size, little gravels, angular, trace to little clay, medium dense, saturated — H Nu = 250 ppm Moderate Hydrocarbon odor		
			driller reports thin gravel layers about 2" to 4" thick to 26.5' below grade		
25	5	3, 6, 7	SILTY CLAY olive - brown, little fine sand, medium plasticity, stiff, saturated — H Nu = 0 No Hydrocarbon odor	CL	
30			Bottom of Well: 28.5 feet		
35					

LOG OF MONITORING WELL NO. S-2 SHEET 1 OF 1

Woodward-Clyde Consultants

PROJECT NAME GETTLER RYAN NO. 8820011A

MONITORING WELL LOCATION	2800 Telegraph Avenue, Oakland CA; S-3	ELEVATION AND DATUM	
DRILLING AGENCY	Bay Land Drilling / DRILLER	DATE STARTED / DATE FINISHED	4/22/88
DRILLING EQUIPMENT	CME - 55 Truckmount	COMPLETION DEPTH 28.5'	SAMPLER Modified California Sampler
DRILLING METHOD	8" HSA / DRILL BIT CME Carbide	NO. OF SAMPLES DIST. 5	UNDIST. ——
SIZE AND TYPE OF CASING	3" PVC	WATER LEVEL FIRST 12'	COMPL. 8.8 / 24 HRS.
TYPE OF PERFORATION	0.020" slotted — FROM 27.5 TO 3.5 FT.	LOGGED BY: S. Bluestone	CHECKED BY: M. Bonkowski
SIZE AND TYPE OF PACK	12/20 Monterey Sand — FROM 28.5 TO 2.0 FT.		
TYPE OF SEAL NO. 1	Bentonite Pellets — FROM 2.0 TO 1.5 FT.		
TYPE OF SEAL NO. 2	Concrete Grout — FROM 1.5 TO G.S. FT.		

Depth (feet)	Samples	Blows	MATERIAL DESCRIPTION	USCS	Well Construction
			ASPHALT		
			FILL - CLAYEY SAND (Cuttings) dark brown, medium grained, little gravel/brick fragments, moist, loose	SC	
5	1	pushed	CLAYEY SILT gray to very dark gray, little fine sand & gravels to about 0.7" diameter, locally moderate plasticity, moist, soft — H Nu = N/A* Strong Hydrocarbon odor	ML	
			? ? ?		
10	2	4 7 8	SILTY SAND to CLAYEY SAND light gray to olive, fine grained with some medium grained sand, medium dense, moist — H Nu = 500 ppm Strong Hydrocarbon odor	SM-SC	
15	3	8 12 20	local slight increase in grain size to medium coarse, wet — H Nu = 175 ppm Moderate Hydrocarbon odor		
			? ? ? gradational		
20	4	4 10 12	SILTY CLAY to SANDY SILT light brown to brown, interbedded silty clay with sparse fine sand & Sandy Silt with little fine to medium sand, moderate plasticity very stiff, saturated — H Nu = 45 ppm Weak Hydrocarbon odor	CL-ML	
25	5	5 7 6	CLAYEY GRAVEL to SILTY SAND medium brown to light brown, fine to coarse grained sand, gravel to about 2" diameter, loose, saturated — H Nu = 50 ppm Weak Hydrocarbon odor	GC-SM	
30			Bottom of Well: 28.5 feet		
35			* Note: The weather was overcast and raining. Therefore, H Nu readings are questionable due to the probable affect of humidity and moisture within the instrument.		

LOG OF MONITORING WELL NO. S-3 SHEET 1 OF 1

Field location of boring: (See Plate 1)	Project No.: 7610	Date: 07/24/89	Boring No: S-8
	Client: Shell Oil Company		
	Location: 2800 Telegraph Avenue		
	City: Oakland, California		Sheet 1 of 2
	Logged by: J. Vargas	Driller: Bayland	
	Casing installation data:		
Drilling method: Hollow-Stem Auger			
Hole diameter: 8-inches	Top of Box Elevation: 25.97		Datum: Mean Sea-Level
	Water Level: 10.5'		
	Time:		
	Date: 7/24/89		

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
								PAVEMENT SECTION - Asphalt/Concrete/Base Rock
				1				
				2				SILTY CLAY (CL) - very dark grayish brown (2.5Y 3/2), stiff, damp; 70% clay; 20% silt; trace - 10% very fine to fine sand; low plasticity, roots, trace coarse angular sand; no chemical odor.
				3				
				4				
	150	S&H		5				CLAYEY SAND (SC) - olive (5Y 5/4), loose to medium dense, damp; 60-70% very fine to fine sand; 20-30% clay; 10% silt; trace subrounded coarse sand; no chemical odor.
0	150	push						
	150		S-8-5	6				
				7				
				8				
				9				CLAYEY SAND (SC) - olive (5Y 5/4), loose, damp; 70% fine subrounded sand; 10-20% clay; trace fine gravel; slight chemical odor.
	100	S&H		10				
0	100	push	S-8-10	11		▼		
				12				
				13				
				14				
	2	S&H						no chemical odor at 14.0 feet.
0	6			15				
	12		S-8-15			▽		CLAYEY SAND (SC) - olive (5Y 4/3), medium dense, saturated; 70% medium to fine sand; 20% clay; 10% angular gravel; no chemical odor.
				16				
				17				
				18				
				19				

Remarks:

GeoStrategies Inc.

Log of Boring

BORING NO. S-8

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7610	CWP CEG 1262	9/89		

Field location of boring:

(See Plate 1)

Project No.: 7610	Date: 07/24/89	Boring No: S-8	
Client: Shell Oil Company			
Location: 2800 Telegraph Avenue			
City: Oakland, California		Sheet 2 of 2	
Logged by: J. Vargas	Driller: Bayland		
Casing installation data:			

Drilling method: Hollow-Stem Auger

Hole diameter: 8-Inches

Top of Box Elevation: 25.97 | Datum: Mean Sea-Level

Water Level	10.5'			
Time				
Date	7/24/89			

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
	5	S&H		20				SANDY CLAY (CL) - light olive brown (2.5Y 5/4), stiff, damp; 70% clay; 30% fine to medium sand; low plasticity, brown/gray mottling black organics, interbeds of thin gravel; no chemical odor.
0	6							
	7							
	5	SPT		21				
	6							
	4			22				
				23				Bottom of boring at 19.5 feet.
								Bottom of sample at 22.0 feet.
				24				07/24/89
				25				
				26				
				27				
				28				
				29				
				30				
				31				
				32				
				33				
				34				
				35				
				36				
				37				

Remarks:

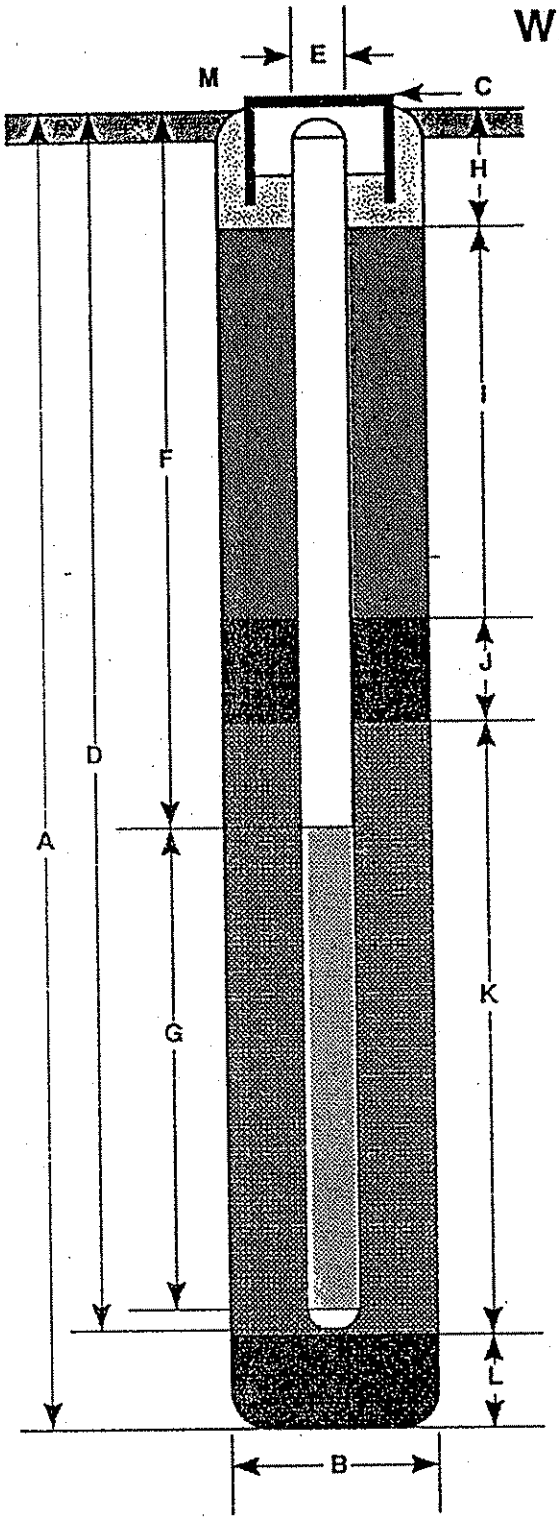
GeoStrategies Inc.

Log of Boring

BORING NO. S-8

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7610	CEG 1262	9/89		

WELL CONSTRUCTION DETAIL



A Total Depth of Boring 22 ft.

B Diameter of Boring 8 in.
Drilling Method Hollow-Stem Auger

C Top of Box Elevation 25.97 ft.
[X] Referenced to Mean Sea Level
[ ] Referenced to Project Datum

D Casing Length 19.5 ft.
Material Schedule 40 PVC

E Casing Diameter 3 in.

F Depth to Top Perforations 9.5 ft.

G Perforated Length 10 ft.
Perforated Interval from 19.5 to 9.5 ft.
Perforation Type Machine Slot
Perforation Size 0.02 in.

H Surface Seal from 0.5 to 0 ft.
Seal Material Concrete

I Backfill from 5.5 to 0.5 ft.
Backfill Material Concrete

J Seal from 7.5 to 5.5 ft.
Seal Material Bentonite Pellets

K Gravel Pack from 19.5 to 7.5 ft.
Pack Material 2/12 Lonestar Sand

L Bottom Seal 2.5 ft.
Seal Material Natural Clay

M Christy Box with locking well cap and lock

GeoStrategies Inc.

Well Construction Detail

WELL NO. S-8

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7610	CWP CEG 12/62	9/89		

Field location of boring: (See Plate 1)	Project No.: 7610	Date: 07/17/89	Boring No.: S-9
	Client: Shell Oil Company		
	Location: 2800 Telegraph Avenue		
	City: Oakland, California		Sheet 1 of 2
	Logged by: J. Vargas	Driller: Bayland	
	Casing installation data:		
Drilling method: Hollow-Stem Auger			
Hole diameter: 8-Inches - Reamed with 12-Inches	Top of Box Elevation: 25.86	Datum: Mean Sea-Level	
	Water Level		
	Time		
	Date		

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
								PAVEMENT SECTION - Asphalt, Base Rock
				1				
				2				SILTY CLAY (CL) - black (7.5YR 2/0), stiff, damp; 70% clay; 10-20% silt; 0-10% fine to medium sand; low plasticity, roots, trace coarse angular sand; no chemical odor.
				3				
				4				
	150	S&H						
1.5	150	push		5				color change at 4.5 feet to very dark grayish brown (2.5Y 3/2).
	150		S-9-5					
				6				
				7				CLAYEY SAND (SC) - very dark grayish brown (2.5Y 3/2), loose, damp; 50-60% medium to coarse angular sand; 40-50% clay; no chemical odor.
				8				
				9				
	150	S&H						CLAYEY SAND (SC) - olive gray (5Y 5/2), medium stiff, damp; 65% very fine to fine subangular sand; 35% clay; roots, green staining, trace fine gravels, gradational contact with above unit; moderate chemical odor.
230	150	push		10				
	150		S-9-10					
				11				
				12				
				13				SANDY CLAY (CL) - olive gray (5Y 5/2), medium stiff, damp; 50% clay; 40-50% fine sand; 0-10% silt; no chemical odor.
				14		▽		
	14	S&H						SANDY GRAVEL (GW) - light olive brown (2.5Y 5/4), dense, saturated; 60% fine angular gravel; 30% fine to coarse sand; 10% clay; trace coarse gravel; no chemical odor.
0	18			15				
	16		S-9-15					
				16				
				17				
				18				
				19				

Remarks:

Log of Boring

BORING NO. S-9

GeoStrategies Inc.

JOB NUMBER	REVIEWED BY PG/CEG	DATE	REVISED DATE	REVISED DATE
7610	CWP CEG 1262	9/89		

Field location of boring: (See Plate 1)	Project No.: 7610	Date: 07/17/89	Boring No: S-9
	Client: Shell Oil Company		
	Location: 2800 Telegraph Avenue		
	City: Oakland, California		Sheet 2 of 2
	Logged by: J. Vargas	Driller: Bayland	
	Casing installation data:		
Drilling method: Hollow-Stem Auger			
Hole diameter: 8-Inches - Reamed with 12-Inches	Top of Box Elevation: 25.86	Datum: Mean Sea-Level	
	Water Level		
	Time		
	Date		

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
	7	S&H		20				
0	13							
	14		S-9-20					becoming medium dense; no chemical odor.
				21				
				22				
				23				
				24				increasing coarse gravel to 20%; no chemical odor.
	8	S&H						
0	14			25				
	9							
				26				
				27				
				28				
				29				
	4	S&H						GRAVELLY CLAY (CL) - light olive brown (2.5Y 5/4), very
	6			30				stiff, damp; 50% clay; 40% fine gravel; 10% fine sand;
	18							low plasticity; no chemical odor.
	5	SPT		31				
	7							gradational contact at 30.5 feet.
	11			32				
								CLAY with SAND (CL) - light olive brown (2.5Y 5/4), very
				33				stiff, damp; 70% clay; 20% fine sand; 0-10% fine
								subangular gravel; trace medium to coarse sand, brown
				34				mottling; no chemical odor.
				35				Bottom of boring at 30.0 feet.
								Bottom of sample at 32.0 feet.
				36				07/17/89
				37				

Remarks:

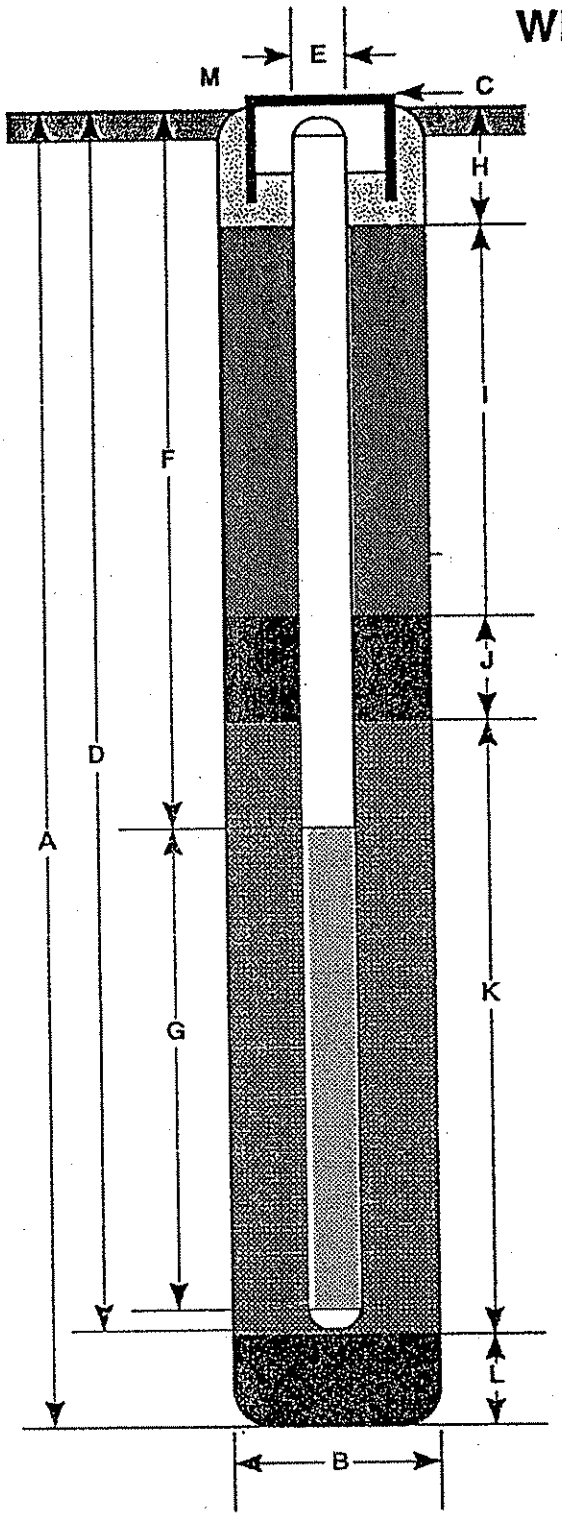
Log of Boring

BORING NO. S-9

GeoStrategies Inc.

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7610	CMP CEG 1262	9/89		

WELL CONSTRUCTION DETAIL



A Total Depth of Boring 32 ft.

B Diameter of Boring 12 in.
Drilling Method Hollow-Stem Auger

C Top of Box Elevation 25.86 ft.
[X] Referenced to Mean Sea Level
[ ] Referenced to Project Datum

D Casing Length 30 ft.
Material Schedule 40 PVC

E Casing Diameter 3 in.

F Depth to Top Perforations 14 ft.

G Perforated Length 15.5 ft.
Perforated Interval from 29.5 to 14.0 ft.
Perforation Type Machine Slot
Perforation Size 0.02 in.

H Surface Seal from 0.5 to 0 ft.
Seal Material Concrete

I Backfill from 11.0 to 0.5 ft.
Backfill Material Concrete

J Seal from 13.0 to 11.0 ft.
Seal Material Bentonite Pellets

K Gravel Pack from 30.0 to 13.0 ft.
Pack Material 2/12 Lonestar Sand

L Bottom Seal 2 ft.
Seal Material Natural Clay

M Christy Box with locking well cap and lock

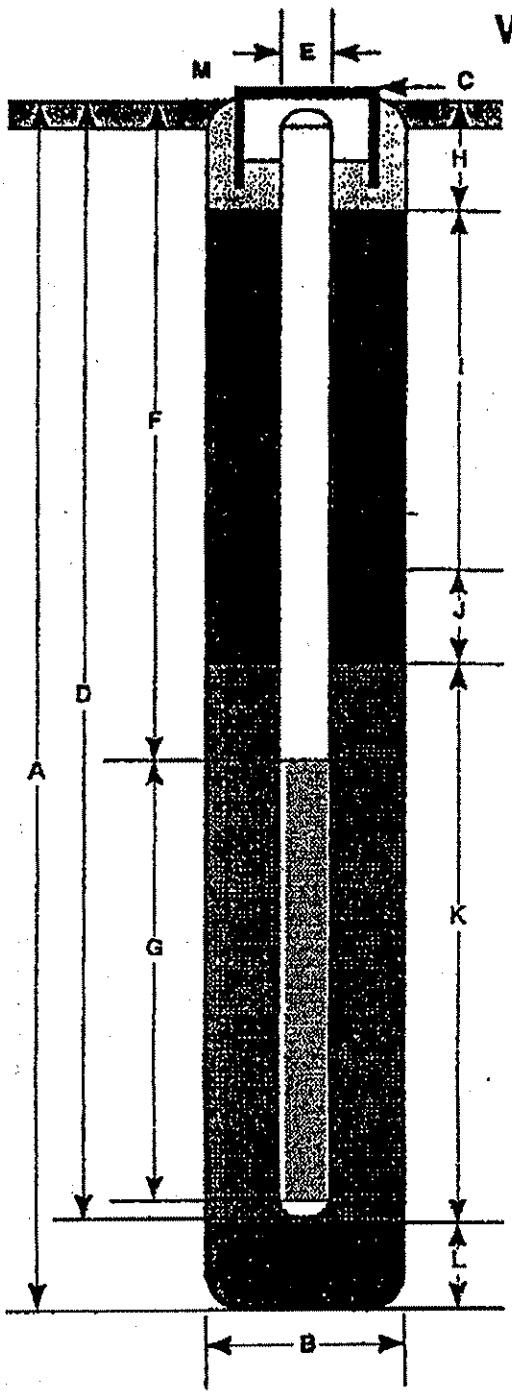
Well Construction Detail

WELL NO. S-9

GeoStrategies Inc.

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7610	CMP CEG 12/92	9/89		

WELL CONSTRUCTION DETAIL



A Total Depth of Boring 30.5 ft.

B Diameter of Boring 8 in.
Drilling Method Hollow-Stem Auger

C Top of Box Elevation 26.95 ft.
[X] Referenced to Mean Sea Level
[ ] Referenced to Project Datum

D Casing Length 24 ft.
Material Schedule 40 PVC

E Casing Diameter 3 in.

F Depth to Top Perforations 12 ft.

G Perforated Length 12 ft.
Perforated Interval from 24 to 12 ft.
Perforation Type Machine Slot
Perforation Size 0.02 in.

H Surface Seal from 0.5 to 0 ft.
Seal Material Concrete

I Backfill from 8.0 to 0.5 ft.
Backfill Material Concrete

J Seal from 10.0 to 8.0 ft.
Seal Material Bentonite Pellets

K Gravel Pack from 24.0 to 10.0 ft.
Pack Material 2/12 Lonestar Sand

L Bottom Seal 6.5 ft.
Seal Material Bentonite Pellets

M Christy Box with locking well cap and lock

GeoStrategies Inc.

Well Construction Detail

WELL NO.
S-10

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7610	Cmp CEG 12/6/	9/89		

Field location of boring: (See Plate 1)

Project No.: 7610 | Date: 07/24/89 | Boring No: S-10

Client: Shell Oil Company

Location: 2800 Telegraph Avenue

City: Oakland, California | Sheet 1 of 2

Logged by: J. Vargas | Driller: Bayland

Casing installation data:

Drilling method: Hollow-Stem Auger

Hole diameter: 8-inches

Top of Box Elevation: 26.95 | Datum: Mean Sea-Level

Water Level / Time / Date

PID (ppm)	Blowsft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
				1				PAVEMENT SECTION - Concrete/Base Rock/Sand
				2				FILL - sand (SP), loose, moist,95% fine to medium sand; 5% clay; trace concrete and debris
				3				
				4				
	150	S&H						
0	150	push	S-10-5	5				SANDY CLAY (CL) - very dark gray (5Y 3/1), medium stiff, damp; 60% clay; 30% fine sand; 10% silt; medium plasticity, roots, brown oxidation, trace subrounded coarse sand; no chemical odor.
				6				
				7				
				8				
				9				
	150	S&H						
0	150	push		10				CLAYEY SAND to SANDY CLAY (CL/SC) - gray (5Y 5/1), medium stiff, moist; 40-50% fine sand; 40-50% clay; trace coarse subrounded sand, brown oxidation stains; no chemical odor.
	150		S-10-10	11				
				12				
				13				
				14		▽		
	12	S&H						
0	16			15				GRAVEL with CLAY and SAND (GP-GC) - olive brown (2.5Y 4/4), dense, saturated; 50-60% fine angular gravel; 30-40% fine to coarse sand; trace - 10% clay; no chemical odor.
	30		S-10-15					
				16				
				17				
				18				
				19				

Remarks:

GeoStrategies Inc.

Log of Boring

BORING NO. S-10

JOB NUMBER	REVIEWED BY PG/CEG	DATE	REVISED DATE	REVISED DATE
7610	DMP 11/26/2	9/89		

Field location of boring:

(See Plate 1)

Project No.:	7610	Date: 07/24/89	Boring No: S-10
Client:	Shell Oil Company		
Location:	2600 Telegraph Avenue		
City:	Oakland, California		Sheet 2 of 2
Logged by:	J. Vargas	Driller: Bayland	

Casing installation data:

Drilling method: Hollow-Stem Auger

Hole diameter: 8-inches

Top of Box Elevation: 26.95 Datum: Mean Sea-Level

Water Level			
Time			
Date			

PID (ppm)	Blowct. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
	8	S&H		20				interbedded fine to medium sand lamina at 19.5 feet.
0	13							
	9		S-10-20	21				
				22				
				23				SANDY CLAY (CL) - yellowish brown (10YR 5/4),
				24				medium stiff, moist; 60-70% clay; 30% fine sand; trace
	6	S&H						silt, medium plasticity, interbedded fine gravel lamina
	3			25				which are saturated, trace subangular coarse gravels,
	7							worm burrows, brown oxidation; no chemical odor.
				26				
				27				
				28				
				29				
	6	S&H						becoming damp, increased brown staining.
	7			30				
	9							
				31				Bottom of boring at 29.0 feet.
								Bottom of sample at 30.5 feet.
				32				07/24/89
				33				
				34				
				35				
				36				
				39				

Remarks:

GeoStrategies Inc.

Log of Boring

BORING NO. S-10

JOB NUMBER	REVIEWED BY RG/CG	DATE	REVISED DATE	REVISED DATE
7610	CWP CG 1262	9/89		

Field location of boring: (See Plate 2)	Project No.: 7610	Date: 10/03/89	Boring No: S-11
	Client: Shell Oil Company		
	Location: 2800 Telegraph Avenue		
	City: Oakland, California		Sheet 1 of 2
	Logged by: T.J.W.	Driller: Bayland	
Drilling method: Hollow-Stem Auger	Casing installation data: (See Well Completion Detail)		
Hole diameter: 8-Inch	Top of Box Elevation: 24.78	Datum: MSL	

	Water Level			
	Time			
	Date			

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
								PAVEMENT SECTION - 3 inches
				1				FILL - Clay with Silt (CL) - very dark brown (10YR 2/2);
				2				no chemical odor.
				3				
				4				CLAYEY SAND (SC) - very dark grayish brown (2.5Y
	100	S&H						3/2), medium dense, damp , 45% clay; no chemical odor
7	150	push	S-11-	5				
	200		5.5					
				6				
				7				
				8				weak chemical odor at 7.0 feet.
				9				
	100	S&H						
400	150	push	S-11-	10				COLOR CHANGE to light olive brown (2.5Y 5/4); strong
	150		10.5					chemical odor.
				11				
				12				
				13				
				14		▽		
	12	S&H						
70	22		S-11-	15				SAND with GRAVEL (SW) - olive yellow (2.5Y 6/6),
	13		15.5					dense, saturated; 50-60% fine to coarse sand; 20-25%
				16				subangular fine gravel; weak chemical odor.
				17				CLAYEY SAND (SC) - yellowish brown (10YR 5/6),
								dense, saturated; 20% clay; no chemical odor.
				18				
				19				

Remarks:

GeoStrategies Inc.

Log of Boring

BORING NO. S-11

JOB NUMBER	REVIEWED BY PG/CEG	DATE	REVISED DATE	REVISED DATE
7610	CWP CEG 1262	10/89		

Field location of boring:

(See Plate 2)

Project No.: 7610	Date: 10/03/89	Boring No: S-11	
Client: Shell Oil Company			
Location: 2800 Telegraph Avenue			
City: Oakland, California		Sheet 2 of 2	
Logged by: T.J.W.	Driller: Bayland		

Casing installation data: (See Well Completion Detail)

Drilling method: Hollow-Stem Auger

Hole diameter: 8-Inch

Top of Box Elevation: 24.78 Datum: MSL

Water Level				
Time				
Date				

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
	4	S&H		20				SANDY SILT (ML) - dark yellowish brown (10YR 4/6), mottled with light brownish gray (10YR 6/2), medium stiff, saturated; 65-75% silt; 25-30% very fine sand; no chemical odor.
N/A	8		S-11-					
	14		20.5					
				21				interbedded saturated lens of silty sand; 40-60% fine sand; 40-50% silt.
				22				GRAVEL with SAND (GW) - yellowish brown (10YR 5/8), loose, saturated; 70-75% fine gravel; 20-25% coarse to fine sand; no chemical odor.
				23				
				24				SILTY SAND (SM) - yellowish brown (10YR 5/8), loose, saturated; 60-70% medium to fine sand.
	5	S&H						
N/A	5		S-11-	25				SANDY SILT (ML) - yellowish brown (10YR 5/8), medium stiff, saturated; 30% fine sand; no chemical odor.
	6		25					
				26				SILTY SAND (SM) - brownish yellow (10YR 6/8), medium dense, saturated; 60-70% very fine sand; 20-30% silt; trace clay; no chemical odor.
				27				
				28				
				29				SILT with CLAY (ML) - grayish brown (10YR 5/2), stiff, damp; 70-80% silt; 10-20% clay; low plasticity; trace sand; no chemical odor.
	6	S&H						
N/A	10		S-11-	30				
	17		30.5					Bottom of boring at 30.5 feet.
				31				Bottom of sample at 30.5 feet.
				32				10/03/89
				33				
				34				
				35				
				36				
				37				
				38				
				39				

Remarks:

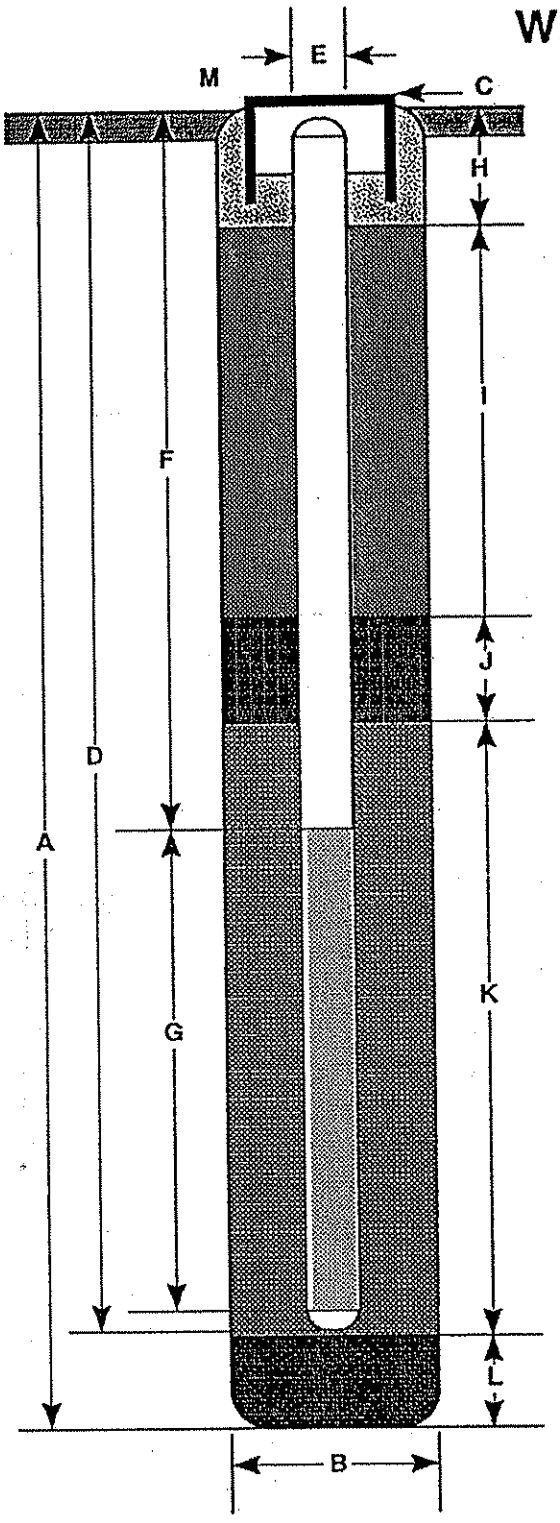
GeoStrategies Inc.

Log of Boring

BORING NO. S-11

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7610	RMP CEG 1262	10/89		

WELL CONSTRUCTION DETAIL



A Total Depth of Boring 30.5 ft.

B Diameter of Boring 8 in.
Drilling Method Hollow-Stem Auger

C Top of Box Elevation 24.78 ft.
[X] Referenced to Mean Sea Level
[ ] Referenced to Project Datum

D Casing Length 19.0 ft.
Material Schedule 40 PVC

E Casing Diameter 3 in.

F Depth to Top Perforations 9 ft.

G Perforated Length 10 ft.
Perforated Interval from 9 to 19 ft.
Perforation Type Machine Slot
Perforation Size 0.020 in.

H Surface Seal from 0 to 1.5 ft.
Seal Material Concrete

I Backfill from 1.5 to 5 ft.
Backfill Material Cement Grout

J Seal from 5 to 7 ft.
Seal Material Bentonite Pellets

K Gravel Pack from 7 to 19 ft.
Pack Material Lonestar 2/12 Sand

L Bottom Seal 11.5 ft.
Seal Material Bentonite Pellets

M

Note: Depths measured from initial ground surface.

GeoStrategies Inc.

Well Construction Detail

WELL NO. S-11

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7610	RMP CEG 12-62	10/89		

Field location of boring:

(See Plate 2)

Project No.:	761004	Date:	09/11/91
Client:	Shell Oil Company		
Location:	2800 Telegraph Avenue		
City:	Oakland, California		
Logged by:	T.J.W.	Driller:	Bayland

Boring No: SV-1

Sheet 1 of 1

Drilling method: Hollow Stem Auger

Hole diameter: 8-Inches

Casing installation date: (See Well Construction Detail)

Top of Box Elevation: Datum:

Water Level	8.5'			
Time	14:40			
Date	09/11/91			

PID (ppm)	Blows/ft. * or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
				1				SILTY SAND (SM) - dark yellowish brown (10YR 4/4), dense, damp; 60% fine to coarse sand; 30% fine gravel; 10% fine. (FILL)
				2				
				3				
0	150			4				CLAYEY GRAVEL (GW) - dark yellowish brown (10YR 4/4), dense, damp; 60% gravel; 30% clay; 10% fine to coarse sand.
	250							
	350			5				
				6				
				7				
	250	S&H	SV-1-					SANDY SILT (ML) - dark yellowish brown (10YR 3/4), very stiff, moist; 70% silt; 30% fine sand.
840	500		8.0	8				
	250			9		▽		SILTY SAND (SM) - very dark gray (10YR 3/1), medium dense, saturated; 70% fine to medium sand; 30% fines.
	350	S&H	SV-1-					
560	350		9.5	10				
				11				Bottom of boring at 9.9 feet.
				12				09/11/91
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				

Remarks: Boring backfilled from 8.0 to 9.9 feet with bentonite.

* Converted to equivalent Standard Penetration blows/ft.

GSI GeoStrategies Inc.

Log of Boring

BORING NO. SV-1

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
761004		09/91		

Field location of boring: (See Plate 2)	Project No.: 761004	Date: 09/11/91	Boring No: SV-2
	Client: Shell Oil Company		
	Location: 2800 Telegraph Avenue		
	City: Oakland, California		Sheet 1 of 1
	Logged by: T.J.W.	Driller: Bayland	
Drilling method: Hollow Stem Auger	Casing installation data: (See Well Construction Detail)		
Hole diameter: 8-Inches	Top of Box Elevation:	Datum:	

	Water Level			
	Time			
	Date			

PID (ppm)	Blows/ft. * or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
				1				SANDY CLAY (CL) - dark yellowish brown (10YR 4/4), medium stiff, damp; 70% clay; 30% fine sand.
				2				
				3				
1.5	250	S&H		4				CLAYEY SAND (SC) - dark brown (10YR 3/3), dense,
	250	push						damp; 60% fine to medium sand; 40% clay.
	250			5				
				6				
75	250	S&H		7				
	250	push	SV-2-					SILT (ML) - very dark gray (5Y 3/1), stiff, moist.
800	250		8.0	8				
				9				
				10				Bottom of boring at 8.0 feet.
								09/11/91
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				

Remarks:

* Converted to equivalent Standard Penetration blows/ft.

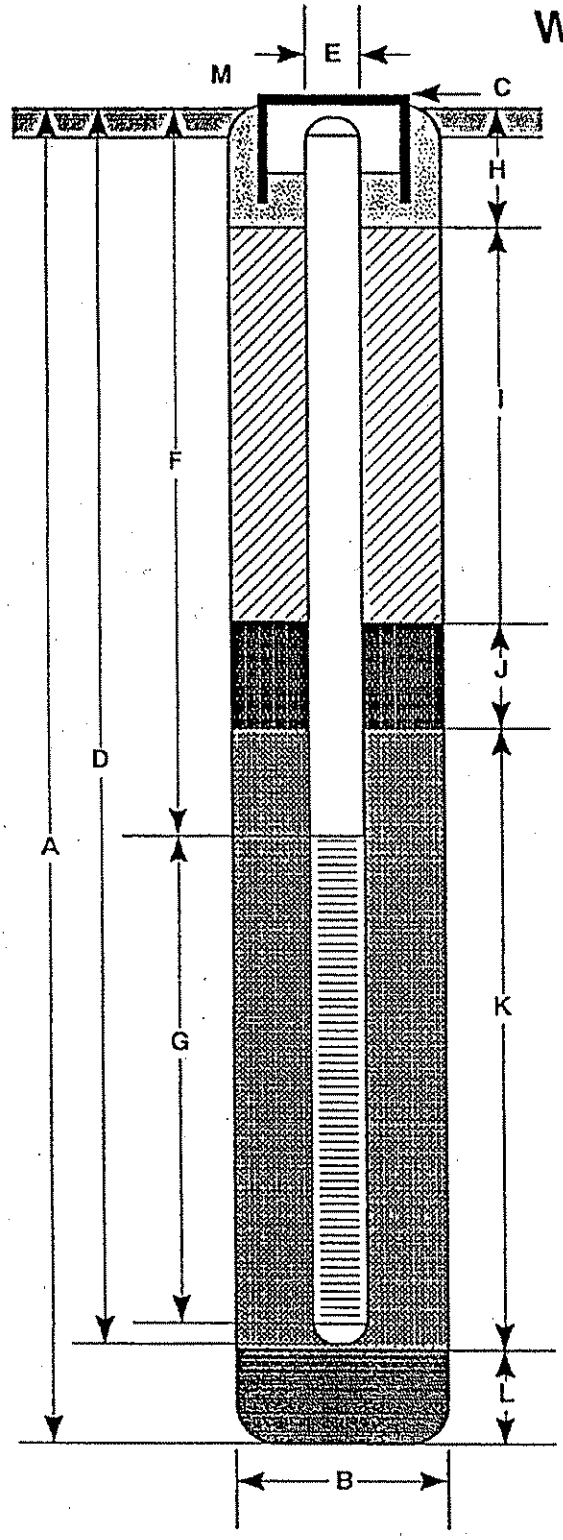
GeoStrategies Inc.

Log of Boring

BORING NO. SV-2

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
761004		09/91		

WELL CONSTRUCTION DETAIL



A Total Depth of Boring 9.9 ft.

B Diameter of Boring 8 in.
Drilling Method Hollow Stem Auger

C Top of Box Elevation _____ ft.
☐ Referenced to Mean Sea Level
☐ Referenced to Project Datum

D Casing Length 8.0 ft.
Material Schedule 40 PVC

E Casing Diameter 2 in.

F Depth to Top Perforations 3.0 ft.

G Perforated Length 5.0 ft.
Perforated Interval from 3.0 to 8.0 ft.
Perforation Type Continuous Wrap
Perforation Size 0.020 in.

H Surface Seal from 0 to 1.5 ft.
Seal Material Concrete

I Backfill from 1.5 to 2.3 ft.
Backfill Material Cement Grout

J Seal from 2.3 to 2.8 ft.
Seal Material Bentonite Pellets

K Gravel Pack from 2.8 to 8.0 ft.
Pack Material Lonestar #2/12 Sand

L Bottom Seal 1.9 ft.
Seal Material Bentonite Pellets

M Underground vault with locking cap and lock.

Note: Depths measured from initial ground surface.

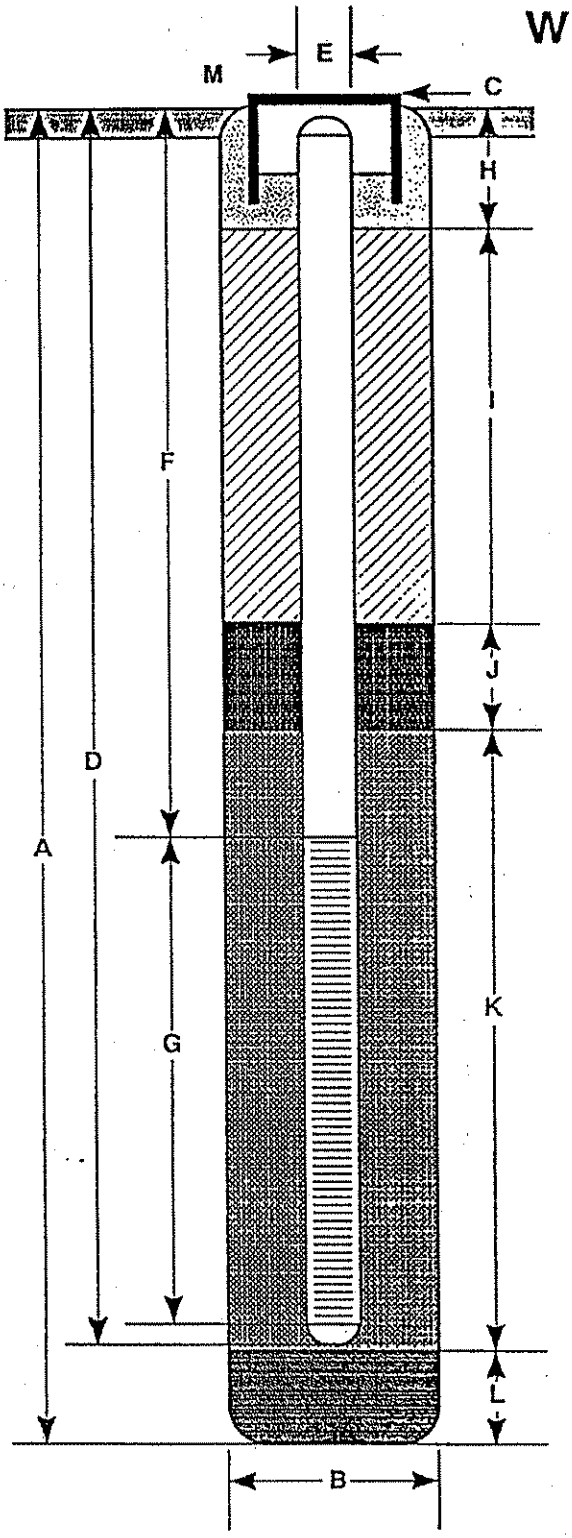
GSI GeoStrategies Inc.

Well Construction Detail

WELL NO. SV-1

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
761004		09/91		

WELL CONSTRUCTION DETAIL



A Total Depth of Boring 8.0 ft.

B Diameter of Boring 8 in.
Drilling Method Hollow Stem Auger

C Top of Box Elevation ft.
☐ Referenced to Mean Sea Level
☐ Referenced to Project Datum

D Casing Length 8.0 ft.
Material Schedule 40 PVC

E Casing Diameter 2 in.

F Depth to Top Perforations 3.0 ft.

G Perforated Length 5.0 ft.
Perforated Interval from 3.0 to 8.0 ft.
Perforation Type Continuous Wrap
Perforation Size 0.020 in.

H Surface Seal from 0 to 1.5 ft.
Seal Material Concrete

I Backfill from 1.5 to 2.3 ft.
Backfill Material Cement Grout

J Seal from 2.3 to 2.8 ft.
Seal Material Bentonite Pellets

K Gravel Pack from 2.8 to 8.0 ft.
Pack Material Lonestar #2/12 Sand

L Bottom Seal ft.
Seal Material

M Underground vault with locking cap and lock.

Note: Depths measured from initial ground surface.

GSI GeoStrategies Inc.

Well Construction Detail

WELL NO.
SV-2

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
761004		09/91		

Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, California 95476
Telephone: (707) 935-4850
Fax: (707) 935-6649

BORING/WELL LOG

CLIENT NAME	Equilon Enterprises LLC dba Shell Oil Products US	**BORING/WELL NAME**	HB-1
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	21-May-04
LOCATION	2800 Telegraph Avenue, Oakland, California	**DRILLING COMPLETED**	21-May-04
PROJECT NUMBER	1507	**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	3"	**SCREENED INTERVAL**	NA
LOGGED BY	G. Mammini	**DEPTH TO WATER (First Encountered)**	10.0 ft (21-May-04) ▽
REVIEWED BY	A. Friel, RG 6452	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

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	
					ML		**Clayey SILT (ML)** ; dark grayish brown (2.5Y 4/2); moist; 20% clay, 75% silt, 5% medium sand; medium plasticity.	4.5	
0.0		HB-1- 5'		5			**Gravelly Silty SAND (SM)**; dark grayish brown (2.5Y 4/2); moist; 5% clay, 20% silt, 60% medium to coarse sand, 15% fine gravel.		
4.6		HB-1- 8'					@8'- **Silty SAND (SM)** ; dark greenish gray (5GY 4/1); 5% clay, 45% silt, 50% fine sand.		◄ Portland Type I/II
3.5		HB-1- 10'		10	SM		@10'- wet; 5% clay, 30% silt, 60% medium to coarse sand, 5% fine gravel. ▽		
257		HB-1- 15'		15			@15'- dark gray (5Y 4/1); 5% clay, 45% silt, 50% fine sand.	16.0	Bottom of Boring @ 16 ft

WELL LOG (PID) I:\OAKLAN~2\GINT\1507.GPJ OEFAULT.GDT 10/18/04

Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, California 95476
Telephone: (707) 935-4850
Fax: (707) 935-6649

BORING/WELL LOG

CLIENT NAME	Equilon Enterprises LLC dba Shell Oil Products US	**BORING/WELL NAME**	HB-2
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	21-May-04
LOCATION	2800 Telegraph Avenue, Oakland, California	**DRILLING COMPLETED**	21-May-04
PROJECT NUMBER	1507	**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	3"	**SCREENED INTERVAL**	NA
LOGGED BY	G. Mammini	**DEPTH TO WATER (First Encountered)**	12.0 ft (21-May-04)
REVIEWED BY	A. Friel, RG 6452	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE	0.5	
							Clayey SILT (ML) ; very dark gray (10YR 3/1); moist; 20% clay, 75% silt, 5% fine sand; medium plasticity.		
					ML				
4.1		HB-2- 5'		5			@4'- **Sandy SILT (ML)** ; yellowish brown (10YR 5/4); 5% clay, 75% silt, 20% fine sand; no plasticity.		
								8.0	
293		HB-2- 8'					**Silty SAND (SM)** ; dark gray (5Y 4/1); very moist; 5% clay, 35% silt, 60% fine sand.		Portland Type I/II
				10					
63.4		HB-2- 12'			SM		@12'- wet; 5% clay, 25% silt, 65% medium to coarse sand, 5% fine gravel.		
7.4		HB-2- 15'		15			@15'- olive gray (5Y 5/2); 5% clay, 35% silt, 60% fine sand.		
0.0		HB-2- 17.5'					@17'- light olive brown (2.5Y 5/3); very moist; 5% clay, 25% silt, 70% medium to coarse sand.	18.0	Bottom of Boring @ 18 ft

WELL LOG (PID) I:\OAKLAN~2\GINT\1507.GPJ DEFAULT.GDT 10/18/04

Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, California 95476
Telephone: (707) 935-4850
Fax: (707) 935-6649

BORING/WELL LOG

CLIENT NAME	Equilon Enterprises LLC dba Shell Oil Products US	**BORING/WELL NAME**	HB-3
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	21-May-04
LOCATION	2800 Telegraph Avenue, Oakland, California	**DRILLING COMPLETED**	21-May-04
PROJECT NUMBER	1507	**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	3"	**SCREENED INTERVAL**	NA
LOGGED BY	G. Mammini	**DEPTH TO WATER (First Encountered)**	11.0 ft (21-May-04)
REVIEWED BY	A. Friel, RG 6452	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE	0.5	
					ML		**Clayey SILT (ML)** ; very dark gray (10YR 3/1); moist; 20% clay, 75% silt, 5% fine sand; medium plasticity.		
0.0									
0.0		HB-3- 5'		5			@4'- **Sandy SILT (ML)** ; yellowish brown (10YR 5/4); 5% clay, 70% silt, 25% fine to medium sand; no plasticity. @5'- **Clayey Sandy SILT (ML)** ; dark yellowish brown (10YR 3/6); very moist; 15% clay, 60% silt, 20% fine sand; low plasticity.	7.0	◄ Portland Type I/II
613		HB-3- 7'			SM		**Silty SAND (SM)** ; dark greenish gray (5GY 4/1); very moist; 5% clay, 35% silt, 60% fine sand.		
				10			▽	11.0	
645		HB-3- 11'			SP		**Gravelly SAND (SP)** ; dark gray (5Y 4/1); wet; 5% silt, 80% medium to coarse sand, 15% fine gravel.	13.0	
63.5		HB-3- 13.5'			SM		**Silty SAND (SM)** ; dark gray (5Y 4/1); wet; 5% clay, 25% silt, 70% fine sand.	14.0	Bottom of Boring @ 14 ft

WELL LOG (PID) I:\OAKLAN-2\GINT\1507.GPJ DEFAULT.GDT 10/18/04

Field location of boring: (See Plate 2)

Project No.: 7610 | Date: 10/03/89 | Boring No: SR-1
Client: Shell Oil Company
Location: 2800 Telegraph Avenue
City: Oakland, California | Sheet 1 of 2
Logged by: T.J.W. | Driller: Bayland
Casing installation data: (See Well Completion Detail)
Drilling method: Hollow-Stem Auger
Hole diameter: 8-inch
Top of Box Elevation: | Datum:

Water Level | Time | Date

PID (ppm)	Blowct. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
				1				FILL - Gravels, Sands, Silts, Clays (GM) - very dark brown (10YR 2/2), stiff, damp; no chemical odor.
96								
				2				
				3				Pea Gravel
				4				
	100	S&H						CLAYEY SILT with SAND (ML) - very dark grayish brown (10YR 3/2), medium stiff, damp; moderate chemical odor.
130	100	push	SR-1-	5				
	150		5.5					
				6				
				7				
				8				
				9				
	100	S&H						
295	100	push	SR-1-	10				COLOR CHANGE to olive (2.5 4/4), medium stiff, damp; mottled with gray; moderate to strong chemical odor.
	100		10.5					
				11				
				12				
				13				
				14		▽		SAND (SP) - very dark grayish brown (2.5Y 3/2), medium dense, saturated; medium sand; trace silt; no chemical odor.
	5	S&H						
19.0	10		SR-1-	15				
	19		15.5					
				16				
				17				
				18				SAND with GRAVEL (SW) - brown (10YR 5/3), medium dense, saturated; 25-30% fine gravel.
				19				

Remarks:

GSI GeoStrategies Inc.

Log of Boring

BORING NO. SR-1

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7610	CMP 06 1262	10/89		

Field location of boring: (See Plate 2)

Project No.: 7610	Date: 10/03/89	Boring No.: SR-1	
Client: Shell Oil Company			
Location: 2600 Telegraph Avenue			
City: Oakland, California		Sheet 2 of 2	
Logged by: T.J.W.	Driller: Bayland		

Drilling method: Hollow-Stem Auger
Hole diameter: 8-Inch
Casing installation data: (See Well Completion Detail)
Top of Box Elevation: Datum:

	Water Level			
	Time			
	Date			

Blow/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
7	S&H		20				
7		SR-1-					
9		20.5					
			21				
			22				
			23				
			24				
2	S&H		25				COLOR CHANGE to yellowish brown (10YR 5/8); 15-25% fine gravel; no chemical odor.
7		SR-1-					
8		25.5					
			26				
			27				
			28				
			29				
3	S&H		30				SILTY SAND (SM) - yellowish brown (10YR 5/4), loose, saturated; very fine sand; 20-30% silt; no chemical odor.
5		SR-1-					
19		30.5					
			31				
			32				GRAVEL with SAND (GW) - yellowish brown (10YR 5/6), medium dense, saturated; fine gravel; 20-30% fine to coarse sand; no chemical odor.
			33				
			34				
8	S&H		35				SAND with SILT and GRAVEL (SW) - brown (10YR 5/3), dense, saturated; 50-60% very fine sand; 15% fine gravel; 15% silt; rootholes contained moisture; trace clay; no chemical odor.
14		SR-1-					
20		35.5					
			36				
			37				Bottom of boring at 35.5 feet.
			38				Bottom of sample at 35.5 feet.
			39				10/03/89

Remarks:

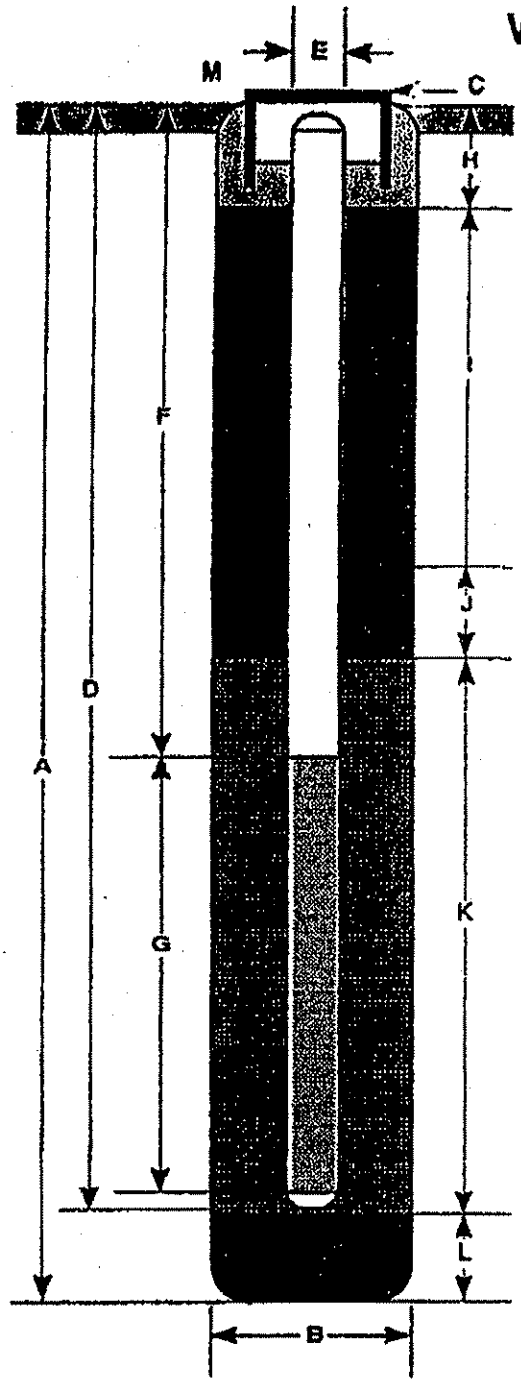
GeoStrategies Inc.

Log of Boring

BORING NO. SR-1

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7610	CMP CEG 1252	10/89		

WELL CONSTRUCTION DETAIL



A Total Depth of Boring 35 ft.

B Diameter of Boring 20 in.
Drilling Method Bucket Auger

C Top of Box Elevation ft.
☐ Referenced to Mean Sea Level
☐ Referenced to Project Datum

D Casing Length 35 ft.
Material Schedule 40 PVC

E Casing Diameter 6 in.

F Depth to Top Perforations 10 ft.

G Perforated Length 25 ft.
Perforated Interval from 10 to 35 ft.
Perforation Type Machine Slot
Perforation Size 0.020 in.

H Surface Seal from 0 to 1 ft.
Seal Material Concrete

I Backfill from 1 to 51/2 ft.
Backfill Material Cement Grout

J Seal from 51/2 to 61/2 ft.
Seal Material Bentonite pellets

K Gravel Pack from 61/2 to 35 ft.
Pack Material Lonestar #2/12 sand

L Bottom Seal ft.
Seal Material

M Christy Box

Note: Depths measured from initial ground surface.

GeoStrategies Inc.

WELL NO.
SR-1

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7610	[signature] RG/CEG 1262	10/89		

Cambria Environmental Technology, Inc.
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BORING/WELL LOG

CLIENT NAME	Equilon Enterprises LLC dba Shell Oil Products US	**BORING/WELL NAME**	S-3R
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	10-Mar-05
LOCATION	2800 Telegraph Avenue, Oakland, California	**DRILLING COMPLETED**	10-Mar-06
PROJECT NUMBER	248-1507-006	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	33.33 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	32.65 ft above msl
BORING DIAMETER	10"	**SCREENED INTERVALS**	5 to 14 fbg
LOGGED BY	B. DeBoer	**DEPTH TO WATER (First Encountered)**	9.0 fbg (10-Mar-06) ▽
REVIEWED BY	D. Baertchle	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knife to 5 fbg.		

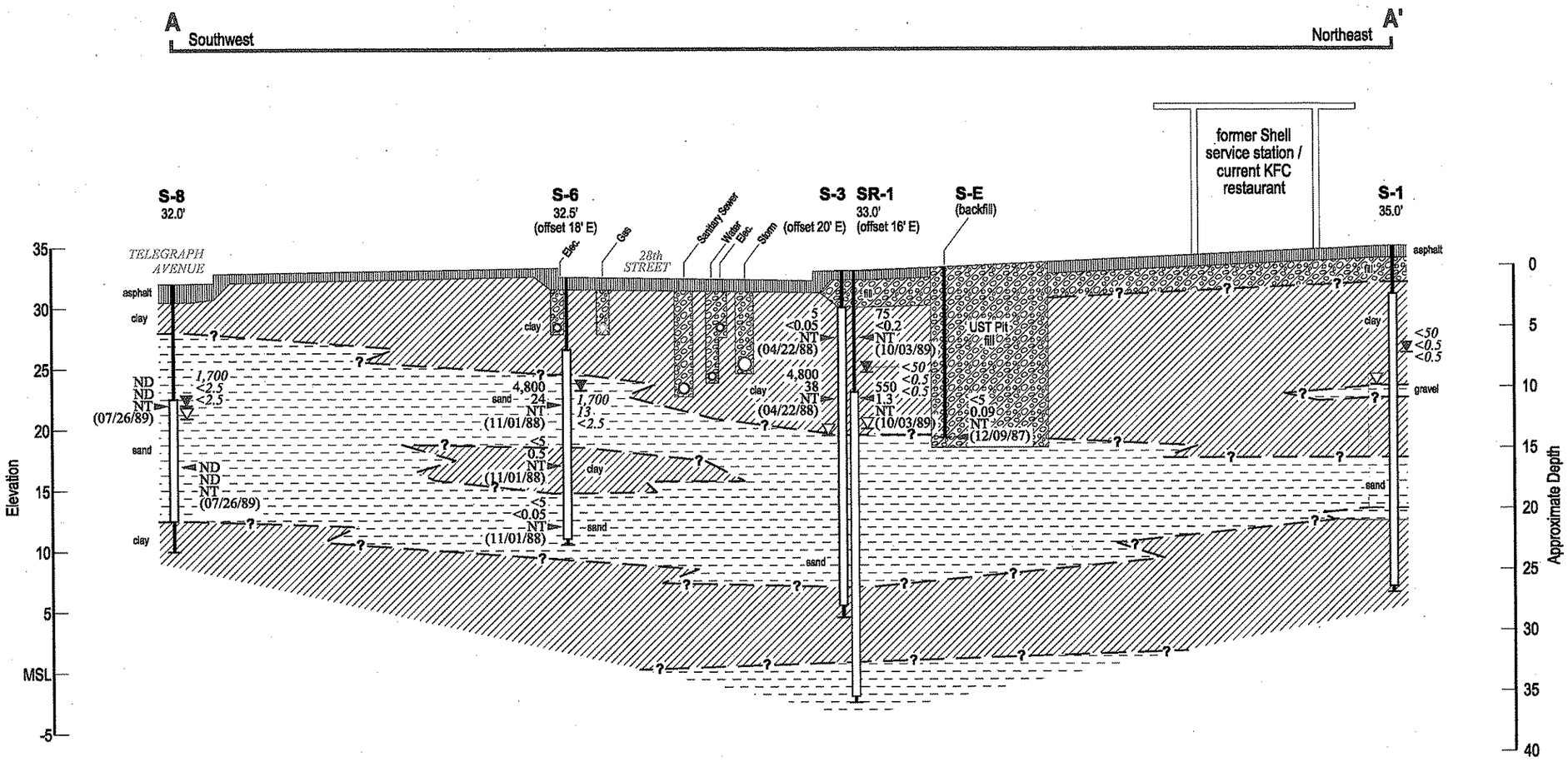
PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	CONTACT DEPTH (fbg)	LITHOLOGIC DESCRIPTION	WELL DIAGRAM
				GW GM	0.3	**Asphalt** **GRAVEL with Sand** (GW-GM); 10YR 2/2; moist; 10% silt, 20% coarse sand, 70% coarse angular gravel; high estimated permiability; lare concrete pieces present.	Portland Type I/II
					3.0	**SILT with Gravel** (ML); 10YR 2/1; moist; 10% clay, 75% silt, 15% coarse gravel; low estimated permiability; very stiff.	Bentonite Seal
2.5	5 9 14	S-3R- 5.5	5	ML		**SILT** (ML); 10YR 3/6; moist; 15% clay, 75% silt, 10% fine sand; low estimated permiability; stiff.	
18	2 6 8 6 8 14	S-3R- 8.5			▽	**SILT** (ML); GLEY 4/5G; wet; 20% clay, 80% silt; moderate estimated permiability; green mottling and hydrocarbon odor present; very stiff.	Monterey Sand #2/12 4"-diam., 0.020" Slotted Schedule 40 PVC
812	7 8 12 10 12 12	S-3R- 10	10				
16	6 7 7	S-3R- 13.5			14.0	**Sandy SILT** (ML); 10YR 3/2; wet; 10% clay, 50% silt, 30% fine sand, 10% fine gravel; moderate estimated permiability; stiff.	Bottom of Boring @ 14 fbg

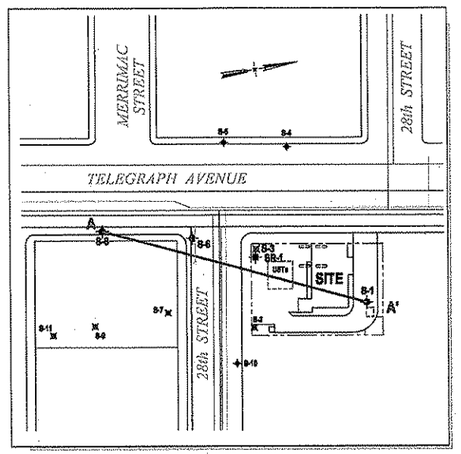
WELL LOG (PID) O:\OAKLAN~2\GINT\1507.GPJ DEFAULT.GDT 5/8/06

11/04/03

Geologic Cross Section A-A'

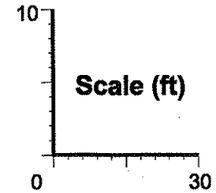
ATTACHMENT 6





EXPLANATION

- = Moderate Permeability Soils - Silts and Clays
- = High Permeability Soils - Sands and Gravels
- = Fill (Tank Pit)
- Approximate sample location
- TPHg / Benzene / MTBE — Hydrocarbon concentrations in Soil, in parts per million
- ND — Analyte not detected
- NT — Analyte not tested
- Well ID — Well Designation
- Elev. — Top of Casing Elevation
- Groundwater Monitoring Well
- Well Screen Interval
- Bottom of boring
- Initial Groundwater level
- Depth to Groundwater on 09/29/03
- *TPHg* / *Benzene* / *MTBE* — Hydrocarbon concentrations in Groundwater, in parts per billion on 09/29/03



FIGURE

3

Former Shell Service Station / Current KFC Restaurant

2800 Telegraph Avenue
Oakland, California

CAMBRIA

G:\OAKLAND 2800 TELEGRAPH\FIGURES\X-SECTION-A.DWG