

June 6, 2006

**RECEIVED**

*By lopprojectop at 9:12 am, Jun 08, 2006*

Mr. Jerry Wickham  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

**Subject:** Former Shell Service Station  
2001 Fruitvale Avenue  
Oakland, California  
SAP Code 117941

Dear Mr. Wickham:

Attached for your review and comment is a copy of the *Well Destruction Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (707) 865-0251 with any questions or concerns.

Sincerely,

**Shell Oil Products US**



Denis L. Brown  
Project Manager

June 7, 2006

Mr. Jerry Wickham  
Alameda County Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Re: **Well Destruction Report**  
Former Shell Service Station  
2001 Fruitvale Avenue  
Oakland, California  
SAP Code 117941  
Incident No. 97109122



Dear Mr. Wickham:

Cambria Environmental Technology, Inc. (Cambria) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US to document the destruction of three groundwater monitoring wells (MW-1 through MW-3) at the above referenced site. This work was performed in response to the April 14, 2006 Alameda County Environmental Health (ACEH) letter as a condition of case closure. Well destruction was performed to comply with Alameda County Public Works Agency (ACPWA) and California Well Standards Well Destruction Guidelines.

### **Site Description**

The site is currently a paved lot utilized for parking for an adjacent laundromat and as a parking location for a mobile lunch truck. The site is located on the northern corner of Foothill Boulevard and Fruitvale Avenue in Oakland, California (Figures 1 and 2). It is a former Shell service station and all underground storage tanks (USTs) and service station equipment have reportedly been removed. The UST and equipment removal date is unknown. Although indicated as "proposed" on a 1957 site plan, it is not known with certainty whether those proposed structures were installed.

**Cambria  
Environmental  
Technology, Inc.**

270 Perkins Street  
Sonoma, CA 95476  
Tel (707) 935-4850  
Fax (707) 935-6649

**Monitoring Well Destruction**

***Destruction Date:*** May 30, 2006.

***Wells Destroyed:*** MW-1 through MW-3 (Figure 2).

***Permits:*** ACPWA Permit #W2006-0335 through W2006-0337 (Attachment A).

***Cambria Personnel*** Bill DeBoer, Staff Geologist, Cambria.

***Present:***

***Drilling Company:*** Gregg Drilling of Martinez, California, (C-57 License # 485-165).

***Destruction Methods:*** Gregg filled wells MW-1 through MW-3 with neat Portland Type I/II cement grout from the bottom up using tremie pipe. Once the well was completely filled with grout, 25 pounds per square inch of air pressure were applied with a portable air compressor for approximately 15 minutes. After the wells were pressurized, the well vaults were removed and the top three feet of casing was overdrilled with 12-inch hollow stem augers and the void backfilled with grout. Well locations were then sealed with concrete to match surrounding conditions. Attachment B presents Department of Water Resources (DWR) well completion reports.



# C A M B R I A

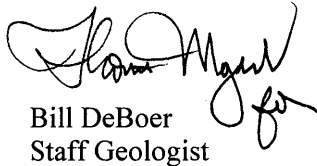
## Closing

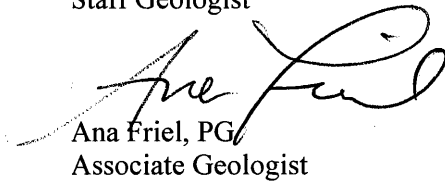
The well destructions and this report complete the closure activities at this site. Shell and Cambria appreciate your assistance with this project, and look forward to receiving the case closure certificate.

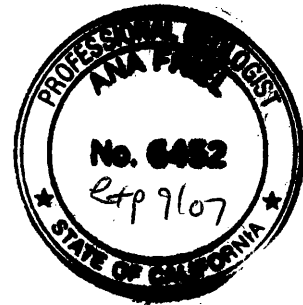
Please call Ana Friel at (707) 268-3812 if you have any questions or comments.



Sincerely,  
**Cambria Environmental Technology, Inc.**

  
Bill DeBoer  
Staff Geologist

  
Ana Friel, PG  
Associate Geologist

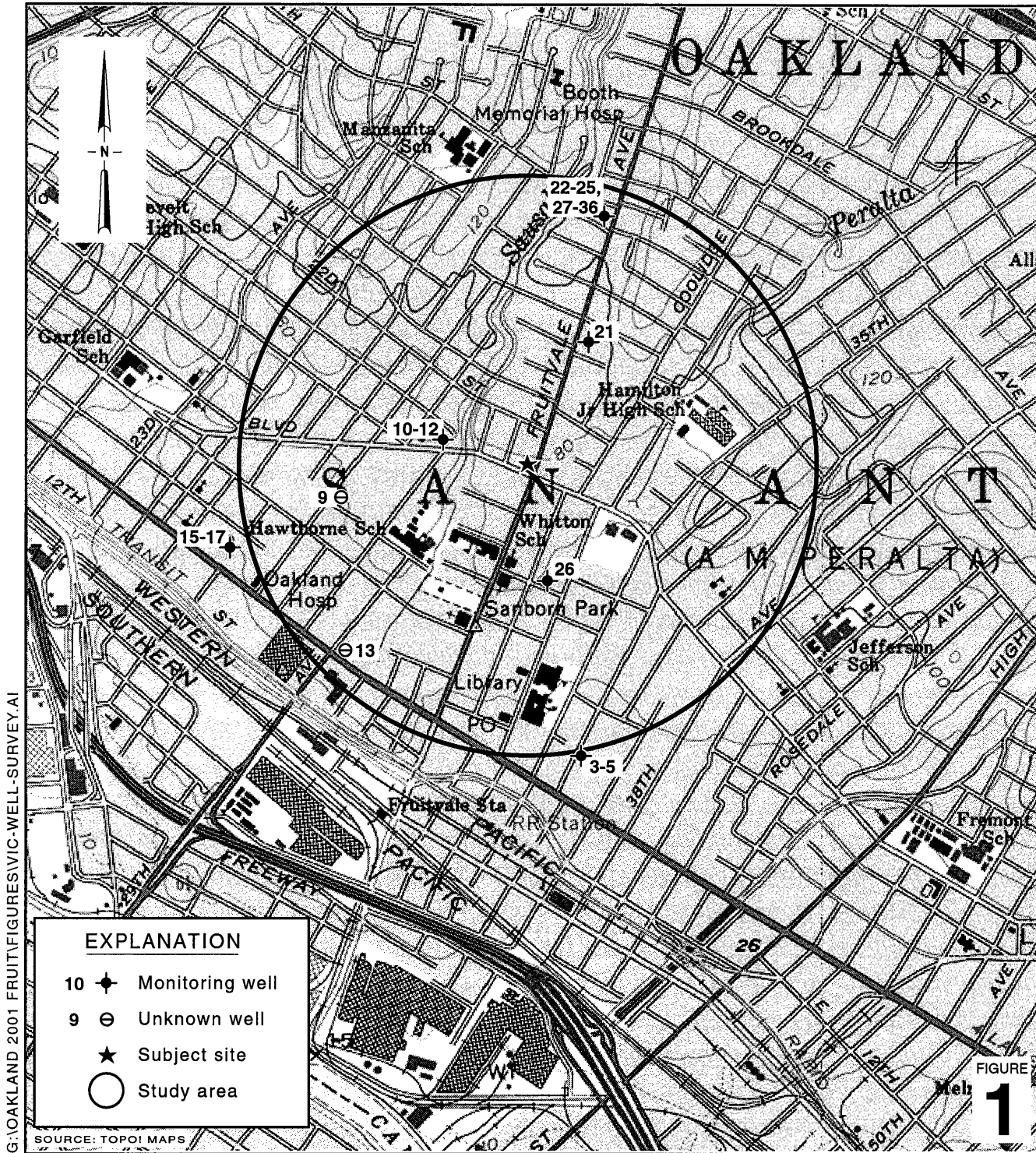


### Attachments:

Figure 1. Site Vicinity/Area Well Survey Map  
Figure 2. Site Plan

Attachment A. Well Destruction Permit  
Attachment B. DWR Well Driller's Completion Reports

cc: Mr. Denis Brown, Shell Oil Products US  
Fidel P & Dolores G Casillas, 2910 East 16th St, Oakland, CA 94601



G:\OAKLAND 2001 FRUITFIGURES\VIC-WELL-SURVEY.A1

SOURCE: TOPOI MAPS

0 1/8 1/4 1/2 1  
 SCALE : 1" = 1/4 MILE

**Former Shell Service Station**  
 2001 Fruitvale Avenue  
 Oakland, California  
 Incident #97109122



C A M B R I A

**Site Vicinity/Area Well  
 Survey Map**

(1/2 Mile Radius)

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STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

## **Appendix A**

### **Well Destruction Permit**

# Alameda County Public Works Agency - Water Resources Well Permit



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

**Application Approved on:** 05/05/2006 **By** jamesy  
**Permits Issued:** W2006-0335 to W2006-0337

**Receipt Number:** WR2006-0212  
**Permits Valid from** 05/30/2006 **to** 05/31/2006

**Application Id:** 1146783745728  
**Site Location:** 2001 Fruitvale Ave, Oakland, CA94602  
**Project Start Date:** 05/30/2006

**City of Project Site:**Oakland  
**Completion Date:**05/31/2006

**Applicant:** Cambria - Bill DeBoer  
5900 Hollis St. #A, Emeryville, CA 94608  
**Property Owner:** Shell Oil Products US  
20945 S Wilmington Ave., Carson, CA 94818  
**Client:** \*\* same as Property Owner \*\*

**Phone:** 510-420-3369  
**Phone:** --

	<b>Total Due:</b>	\$900.00
	<b>Total Amount Paid:</b>	\$900.00
<b>Payer Name : Cambria</b>	<b>Paid By:</b> CHECK	<b>PAID IN FULL</b>

**Works Requesting Permits:**

Well Destruction-Monitoring - 3 Wells  
Driller: Gregg Drilling - Lic #: 485156 - Method: auger

**Work Total: \$900.00**

**Specifications**

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2006-0335	05/05/2006	08/28/2006	MW1	12.00 in.	4.00 in.	5.00 ft	31.00 ft			
W2006-0336	05/05/2006	08/28/2006	MW2	12.00 in.	4.00 in.	5.00 ft	31.00 ft			
W2006-0337	05/05/2006	08/28/2006	MW3	12.00 in.	4.00 in.	5.00 ft	30.00 ft			

**Specific Work Permit Conditions**

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Sound the well to measure depth and to ensure no obstructions exist.

Excavate and remove existing casing 3 to 5 foot below ground surface (bgs), including vent cap and well or vault cover.

Grout neat cement with a tremie to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade.

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

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained.



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

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.
  5. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.
  6. Applicant shall contact George Cashen for an inspection time at 510-670-6610 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
  7. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
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**Attachment B**

DWR Well Driller's Completion Reports

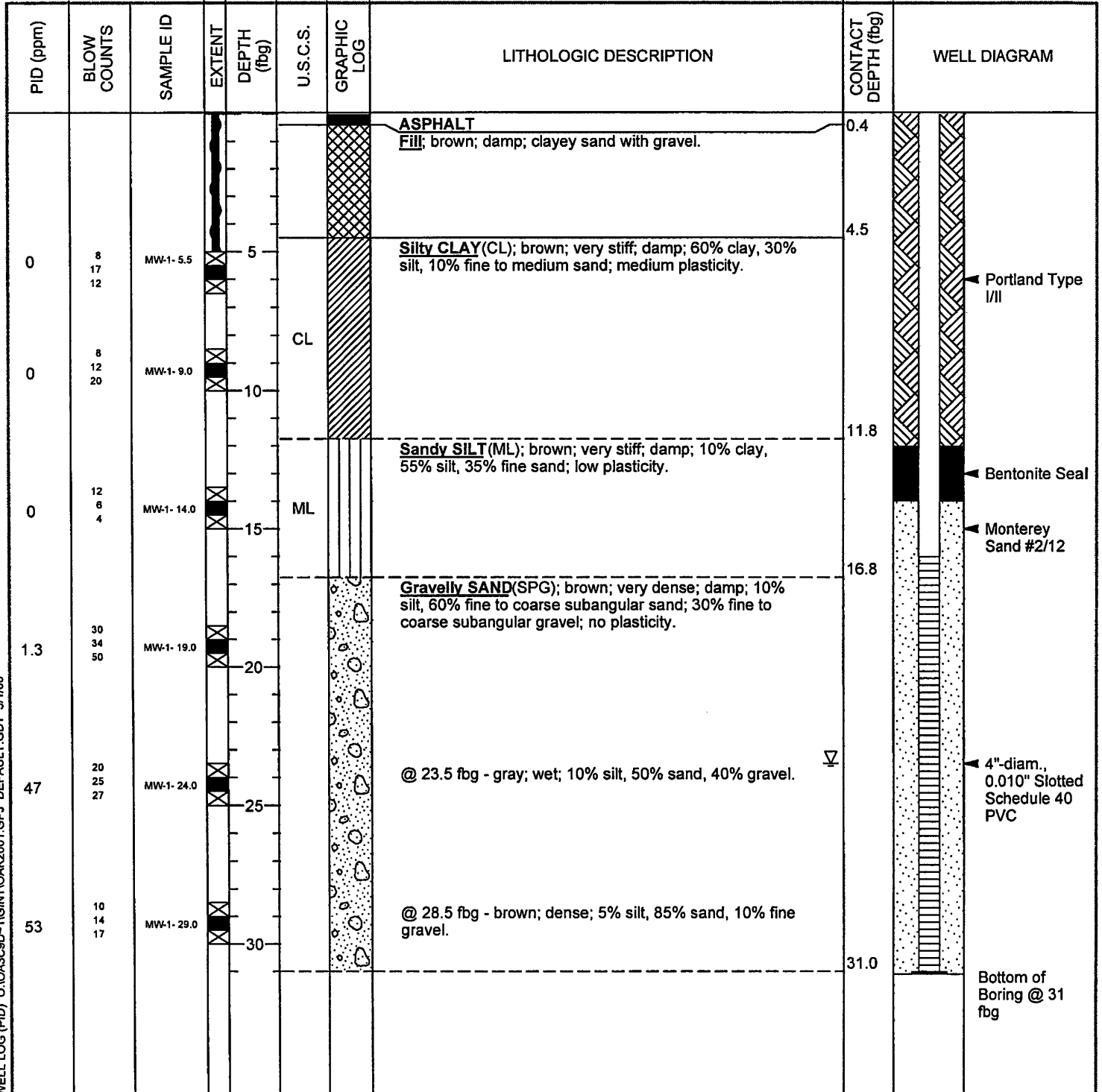
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STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**



CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-1
JOB/SITE NAME	Shell-Branded Service Station	DRILLING STARTED	26-Mar-03
LOCATION	2001 Fruitvale Avenue, Oakland	DRILLING COMPLETED	26-Mar-03
PROJECT NUMBER	245-1296	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	10"	SCREENED INTERVALS	16 to 31 fbg
LOGGED BY	J. Gerke	DEPTH TO WATER (First Encountered)	23.5 fbg (26-Mar-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5'.		



WELL LOG (PID) 010A3C9D-1GINTOAK2001.GPJ DEFAULT.GDT 5/1/06

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STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

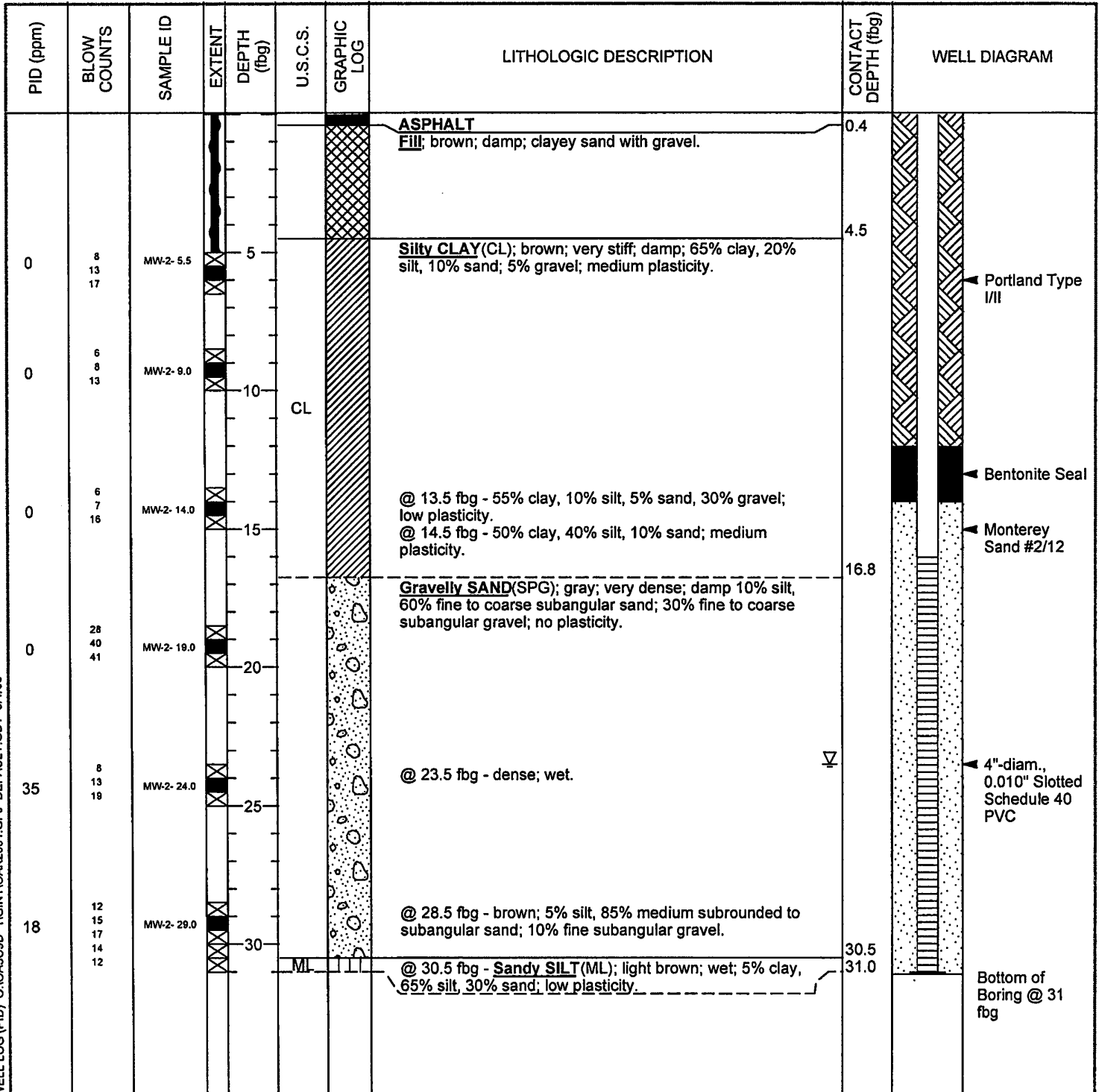
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Cambria Environmental Technology, Inc.  
 5900 Hollis Street, Suite A  
 Emeryville, CA 94608  
 Telephone: 510-420-0700  
 Fax: 510-420-9170

# BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-2
JOB/SITE NAME	Shell-Branded Service Station	DRILLING STARTED	27-Mar-03
LOCATION	2001 Fruitvale Avenue, Oakland	DRILLING COMPLETED	27-Mar-03
PROJECT NUMBER	245-1296	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	10"	SCREENED INTERVALS	16 to 31 fbg
LOGGED BY	J. Gerke	DEPTH TO WATER (First Encountered)	23.5 fbg (27-Mar-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5'		



WELL LOG (PID) 0:\0A3C9D-1\GINTOAK2001.GPJ DEFAULT.GDT 5/1/06

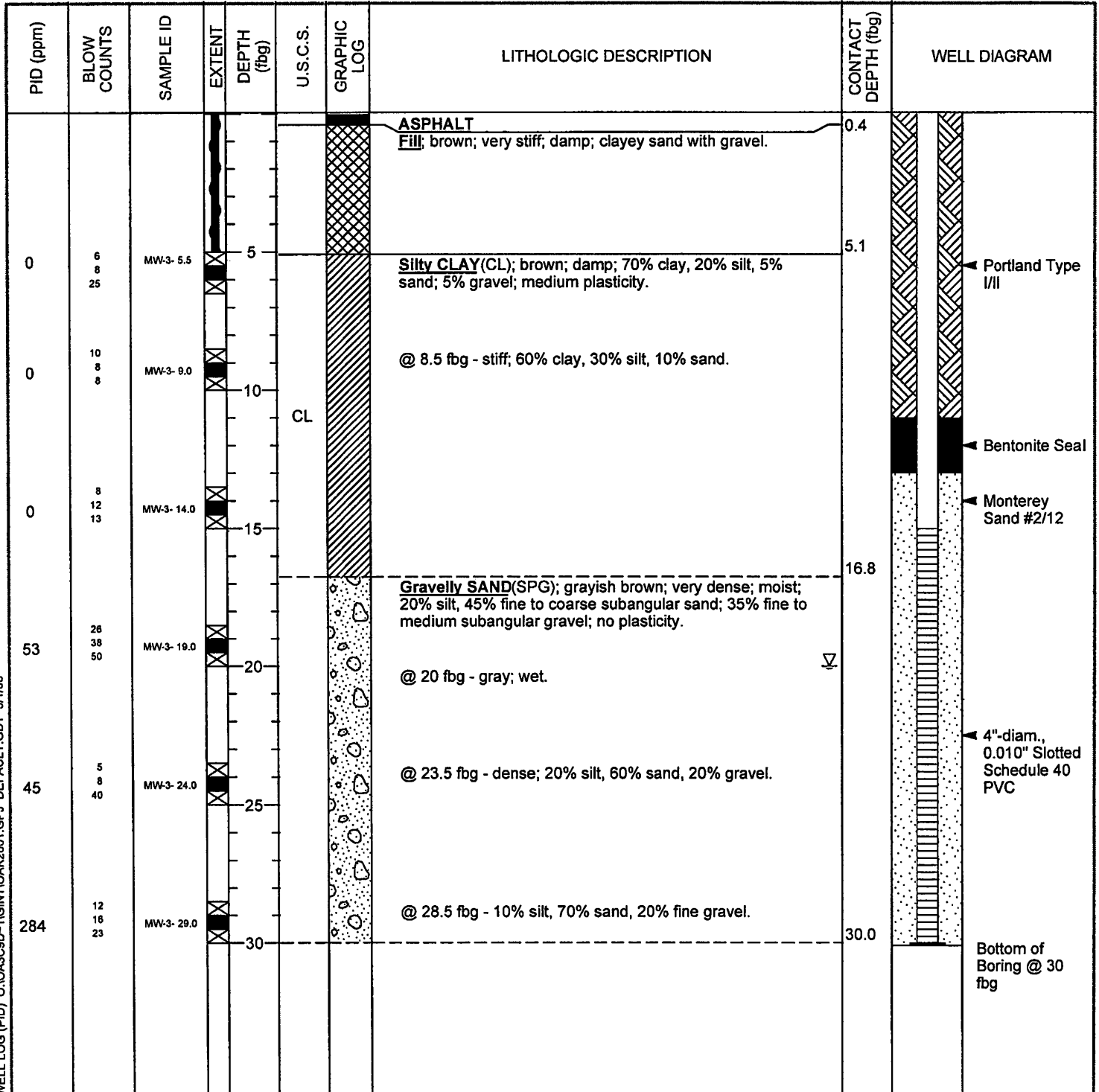
**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
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**REMOVED**



CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	MW-3
JOB/SITE NAME	Shell-Branded Service Station	DRILLING STARTED	26-Mar-03
LOCATION	2001 Fruitvale Avenue, Oakland	DRILLING COMPLETED	26-Mar-03
PROJECT NUMBER	245-1296	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	10"	SCREENED INTERVALS	15 to 30 fbg
LOGGED BY	J. Gerke	DEPTH TO WATER (First Encountered)	20.0 fbg (26-Mar-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5'.		



WELL LOG (PID) O:\0A3C9D-1\GIN\NOAK2001.GPJ DEFAULT.GDT 5/1/06



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