



**CONESTOGA-ROVERS
& ASSOCIATES**

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www.CRAworld.com

TRANSMITTAL

DATE: April 8, 2013 REFERENCE NO.: 240612
PROJECT NAME: 1784 150th Avenue, San Leandro

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

RECEIVED
By Alameda County Environmental Health at 11:22 am, Apr 11, 2013

Please find enclosed: Draft Final
 Originals Other
 Prints

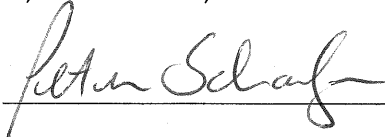
Sent via: Mail Same Day Courier
 Overnight Courier Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Well Destruction Work Plan

As Requested For Review and Comment
 For Your Use _____

COMMENTS:
If you have any questions regarding the content of this document, please contact Peter Schaefer at (510) 420-3319.

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Bansal, Inc. (property owner), 1784 150th Avenue, San Leandro, CA 94578-1826

Completed by: Peter Schaefer Signed: 

Filing: Correspondence File



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

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Re: Shell-branded Service Station
1784 150th Avenue
San Leandro, California
SAP Code 136019
Incident No. 98996068
ACEH Case No. RO0000367

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

A handwritten signature in black ink, appearing to read "Denis L. Brown", is written over a horizontal line.

Denis L. Brown
Senior Program Manager



WELL DESTRUCTION WORK PLAN

**SHELL-BRANDED SERVICE STATION
1784 150TH AVENUE
SAN LEANDRO, CALIFORNIA**

**SAP CODE 136019
INCIDENT NO. 98996068
AGENCY NO. RO0000367**

APRIL 8, 2013

REF. NO. 240612 (30)

This report is printed on recycled paper.

**Prepared by:
Conestoga-Rovers
& Associates**

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U.S.A. 94608

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this work plan on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell). The proposed well destructions are required for final case closure per Alameda County Environmental Health's (ACEH's) February 6, 2013 letter.

The site is an operating Shell-branded service station located at the southern corner of the 150th Avenue and Freedom Avenue intersection in San Leandro, California (Figure 1). The area surrounding the site is mixed commercial and residential. The site layout (Figure 2) includes a station building, two dispenser islands, and three fuel underground storage tanks (USTs). One waste oil UST was removed from the site in May 2006.

2.0 WORK TASKS

2.1 PERMITS

CRA will obtain an appropriate permit from Alameda County Public Works Agency and an encroachment permit from the City of San Leandro.

2.2 HEALTH AND SITE SAFETY PLAN (HASP)

CRA will prepare a HASP to protect site workers. The plan will be kept on site during field activities and will be reviewed and signed by each site worker.

2.3 UTILITY CLEARANCE

CRA will mark the well locations, and the locations will be cleared through Underground Service Alert and a private line locator prior to removing the well boxes.

2.4 MONITORING WELL AND VAPOR PROBE DESTRUCTION

CRA proposes to properly destroy 26 wells (MW-1A, MW-1B, MW-2A, MW-3 through MW-13, P-1A, P-1B, P-2A, P-2B, P-3A, P-3B, P-4A, P-4B, EW-1, EW-2, SVE-1, and AS-1), and 10 soil vapor probes (SVP-1 through SVP-8, SVP-4A, and SVP-5A). The wells will

be destroyed by backfilling with neat cement under pressure (pressure grouting). The soil vapor probes will be destroyed by drilling out the probe boring with an air-knife. The well and soil vapor probe vaults will be removed, and the surface pavement will be patched to match the surrounding grade. CRA includes the well and probe logs in Appendix A. The proposed scope of work will be performed under the supervision of a professional geologist or engineer.

2.5 REPORT PREPARATION

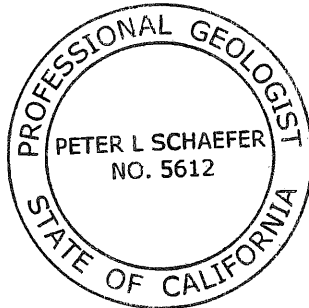
Following completion of the well destructions, CRA will submit a brief report documenting the activities.

3.0 SCHEDULE

CRA will implement the well destructions upon the completion of the 30-day closure notification period and receipt of the appropriate permits.

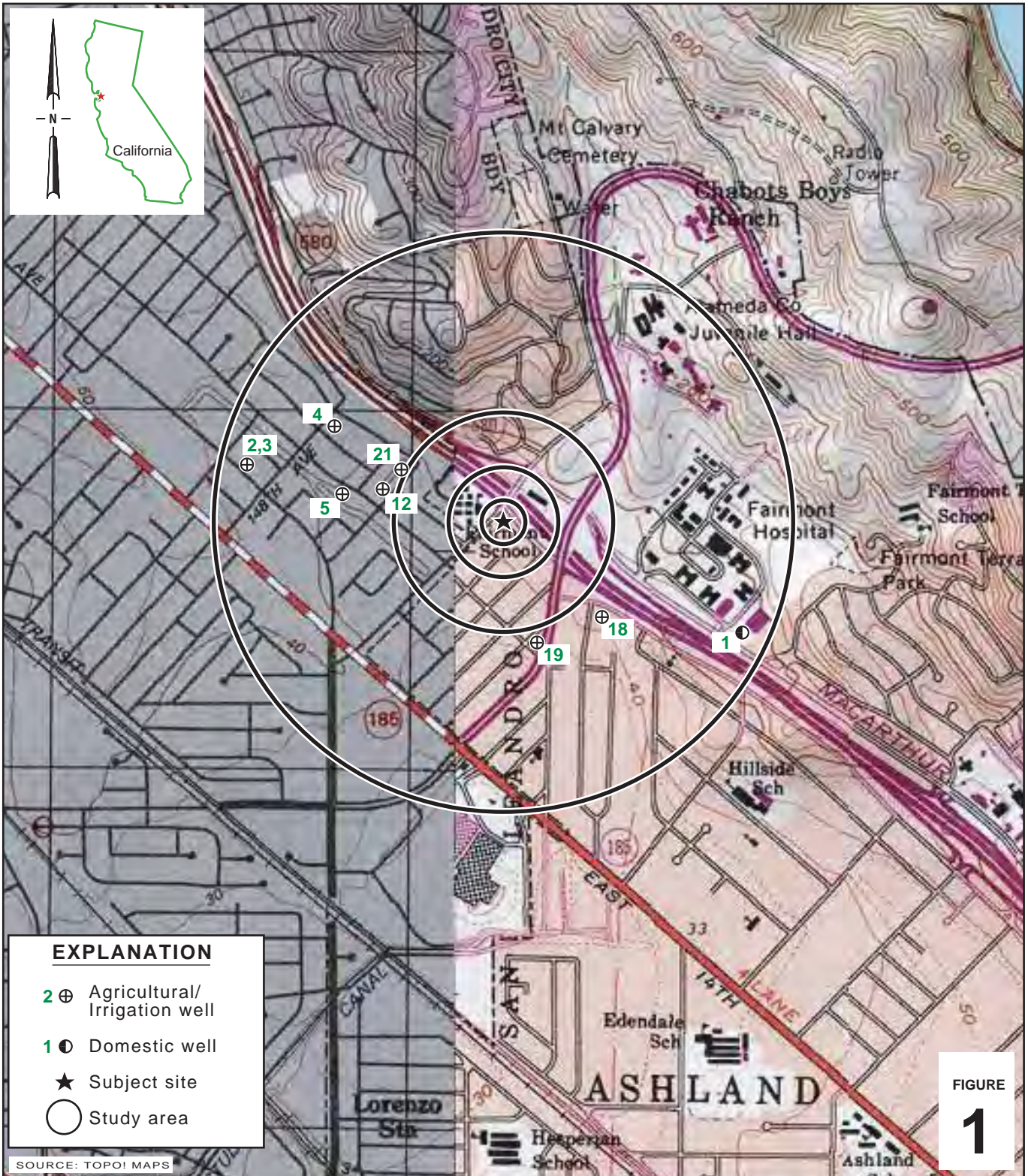
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer
Peter Schaefer, CEG, CHG



Eric A. Syrstad
Eric A. Syrstad, PG

FIGURES



I:\Shell\6-charts\2406--1\240612--San Leandro 1784 150th\240612-FIGURES\240612 VICINITY.AI

EXPLANATION

- 2 ⊕ Agricultural/Irrigation well
- 1 ● Domestic well
- ★ Subject site
- Study area

FIGURE 1

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

Shell-branded Service Station
1784 150th Avenue
San Leandro, California

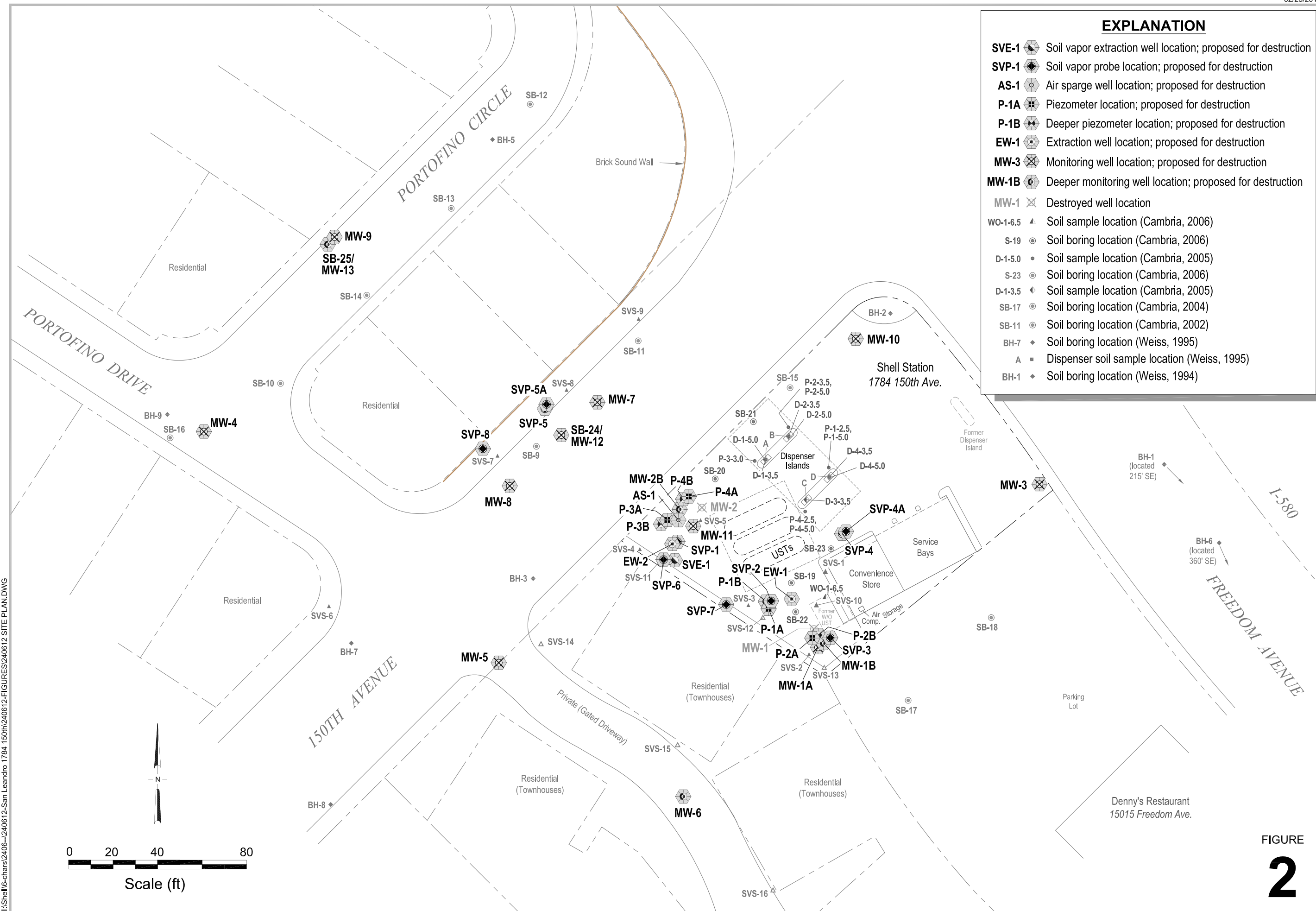


CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

EXPLANATION

- SVE-1** Soil vapor extraction well location; proposed for destruction
- SVP-1** Soil vapor probe location; proposed for destruction
- AS-1** Air sparge well location; proposed for destruction
- P-1A** Piezometer location; proposed for destruction
- P-1B** Deeper piezometer location; proposed for destruction
- EW-1** Extraction well location; proposed for destruction
- MW-3** Monitoring well location; proposed for destruction
- MW-1B** Deeper monitoring well location; proposed for destruction
- MW-1** Destroyed well location
- WO-1-6.5** Soil sample location (Cambria, 2006)
- S-19** Soil boring location (Cambria, 2006)
- D-1-5.0** Soil sample location (Cambria, 2005)
- S-23** Soil boring location (Cambria, 2006)
- D-1-3.5** Soil sample location (Cambria, 2005)
- SB-17** Soil boring location (Cambria, 2004)
- SB-11** Soil boring location (Cambria, 2002)
- BH-7** Soil boring location (Weiss, 1995)
- A** Dispenser soil sample location (Weiss, 1995)
- BH-1** Soil boring location (Weiss, 1994)



I:\Shell\6-chars\2406--240612-San Leandro 1784 150th\240612-FIGURES\240612 SITE PLAN.DWG



Shell-branded Service Station

1784 150th Avenue
San Leandro, California

FIGURE
2

APPENDIX A

WELL AND VAPOR PROBE LOGS

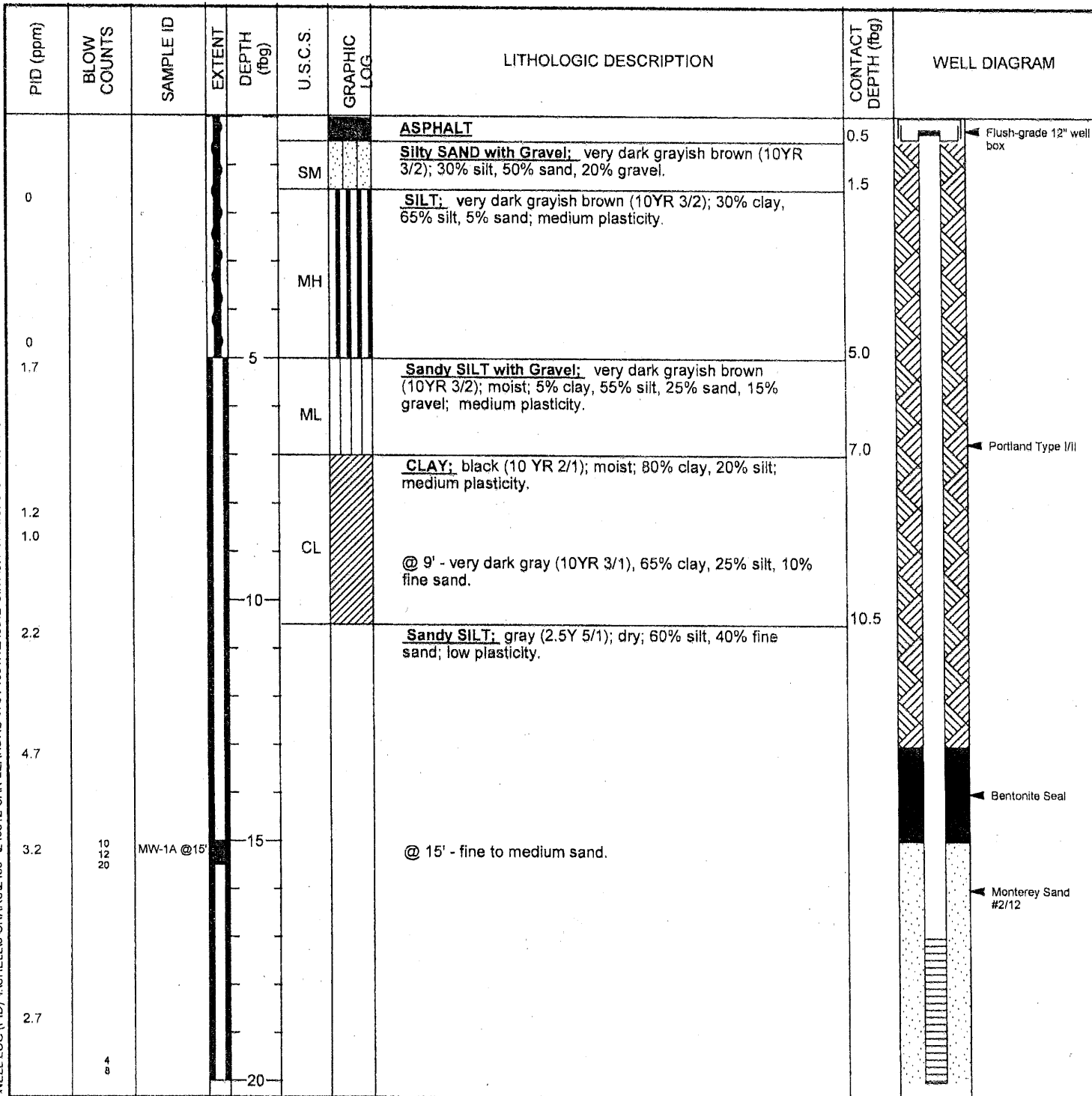


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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-1A
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	02-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	15-Sep-08 (16 gallons)
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	49.41 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	48.99 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	17 to 27 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	23.78 fbg (15-Sep-08)
REMARKS	Air knife to 5 fbg		

WELL LOG (PID) I:\SHELL\6-CHARS\2406-1240612-SAN LEANDRO 1784 150TH\240612-GINTS\NL1784.GPJ DEFAULT.GDT 26/08



Continued Next Page



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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-1A
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	02-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
5.1	15 8 17 20	MW-1A @20'					@ 20' - 55% silt, 45% fine to coarse sand.		<p>4"-diam., 0.020" Slotted Schedule 40 PVC</p> <p>Bottom of Boring @ 27 fbg</p>
1.5									
1.3	7 16 19				ML	@ 22' - grayish brown (10 YR 5/2); 70% silt, 30% fine to coarse sand.			
	9 13 13			25		@ 25' - fine sand.			
3.5	12 25 36								
2.6	6 12 24	MW-1A @26.5'						27.0	
167									

WELL LOG (PID) I:\SHELL\16-CHARS\2406-1240612-SAN LEANDRO 1784 150TH\240612-GINTS\NL1784.GPJ DEFAULT.GDT 2/6/08

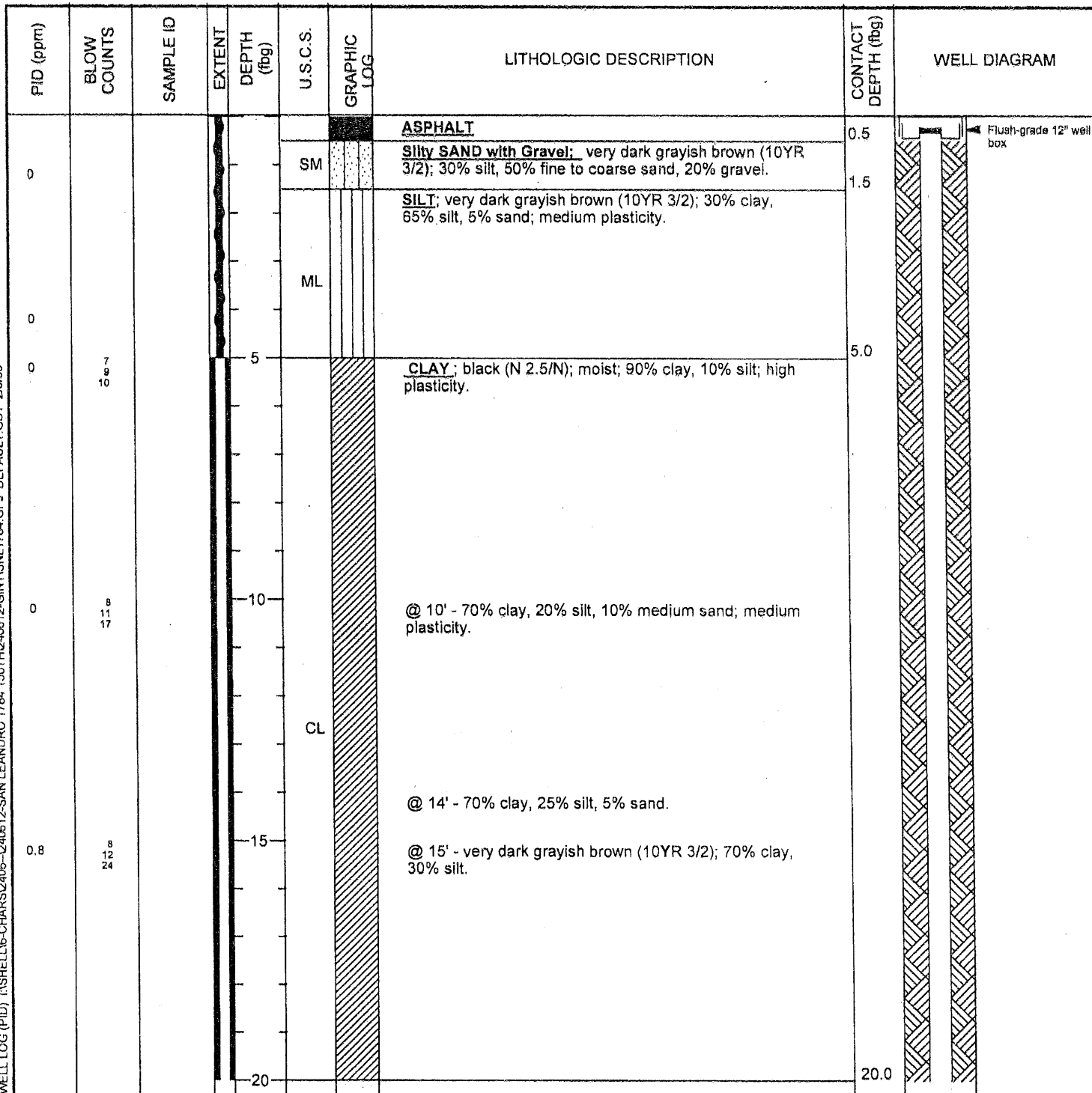


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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-1B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	28-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	29-Oct-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	31-Oct-08 (165 gallons)
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	49.52 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	49.07 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	45 to 50 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	37.00 fbg (29-Oct-08) ▼
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	24.25 fbg (31-Oct-08) ▼
REMARKS	Air knife to 5 fbg		

WELL LOG (PID) [MSHELL]6-CHARS2406-1240612-SAN LEANDRO 1784-150TH240612-GINTSNI.1784.GPJ DEFAULT.GDT 2/6/08



Continued Next Page



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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-1B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	29-Oct-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.2	15 18 22						SILT ; olive gray (5Y 4/2); dry; 35% clay, 60% silt, 5% fine sand; low plasticity.		
0.3	26 23 25			25			@25' - Sandy SILT ; olive gray (5Y 4/2); moist; 65% silt, 35% fine to medium sand; low plasticity.		
404	17 19 22			30	ML		@ 30' - 70% silt, 30% sand; medium plasticity.		
4.7	15 16 18			35			@ 35' - SILT ; dark yellowish brown (10YR 4/4); moist; 30% clay, 60% silt, 10% fine sand; low plasticity.		
							@ 37' - wet.		
							Silty SAND ; yellowish brown (10YR 5/4); wet; 5% clay, 35% silt, 60% fine to coarse angular rounded sand.	38.0	
4.2	14 19 27 3 27 31			40	SM				Bentonite Seal

WELL LOG (PID) I:\SHELL\6-CHARS\2406-240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-1B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	29-Oct-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
6.8	17 50 for 2'	MW-1B @ 44'		45			@ 43' - 30% silt, 65% fine to coarse sand, 5% fine gravel.		<p>Monterey Sand #2/12</p> <p>4"-diam., 0.020" Slotted Schedule 40 PVC</p>
1.5	27 50 for 3'				SM		@ 45' - 45% silt, 50% fine to medium sand, 5% fine gravel.		
0.7	28 18								
0.6	8 10 13	MW-1B @ 49.5'		50				50.0	Bottom of Boring @ 50 fbg

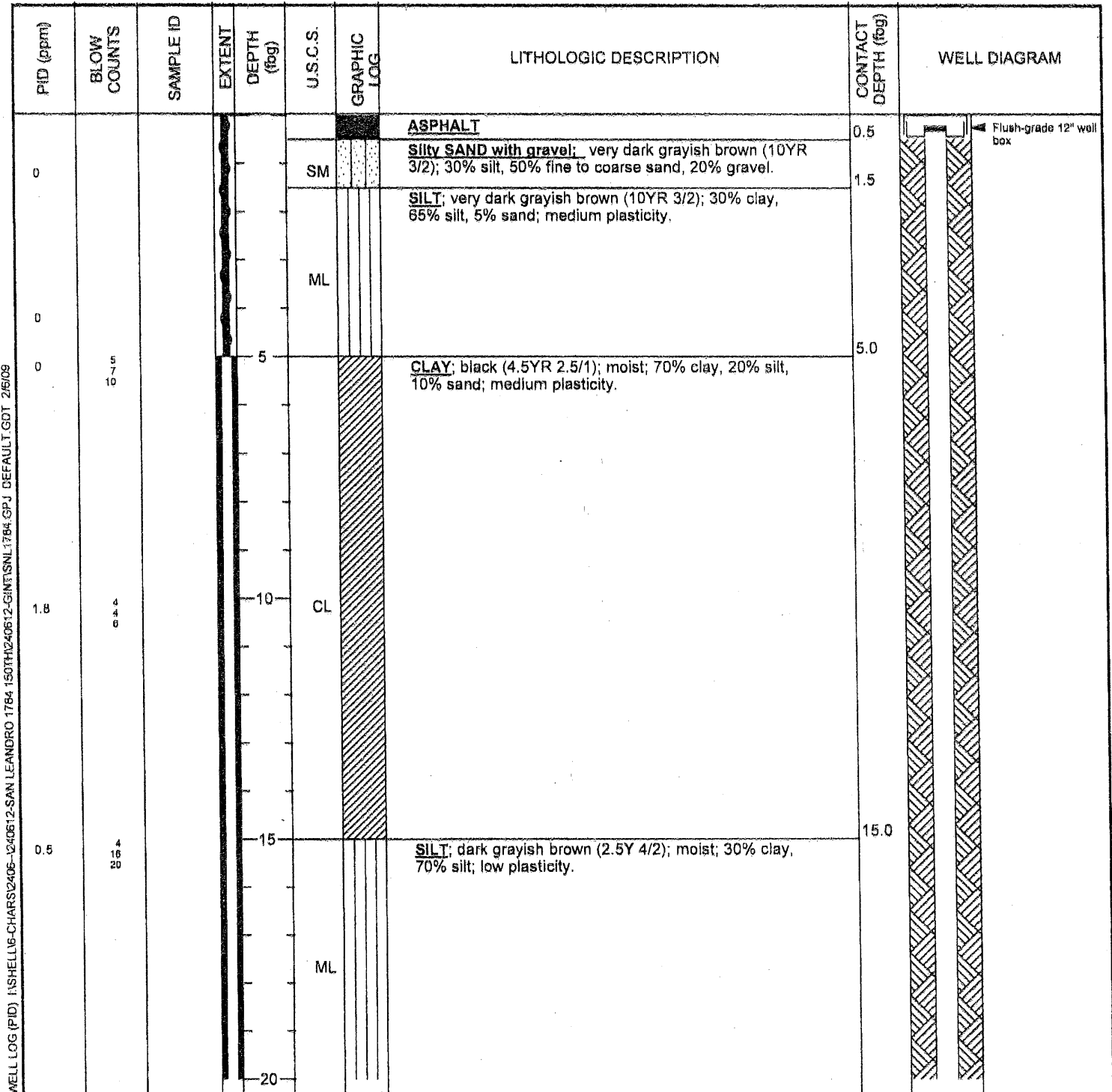
WELL LOG (PID) I:\SHELL\6-CHARS\2406-12\40612-SAN LEANDRO 1784 150TH\12\40612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09



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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-2B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	28-Oct-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	31-Oct-08 (189 gallons)
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	45.25 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	44.96 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	45 to 50 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	23.50 fbg (28-Oct-08) ▼
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	20.20 fbg (31-Oct-08) ▼
REMARKS	Air knife to 5 fbg		



WELL LOG (PID) I:\SHELLING-CHARS\2406-12\40612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/08

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-2B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	28-Oct-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (ft)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft)	WELL DIAGRAM
13.1	17 23							
286	14 22 40		25			@ 23.5' - wet.		
463	21 24 27	MW-2B @ 30'	30	ML		@ 25' - olive brown (2.5Y 4/3).		
16.5	10 18 12		35			@ 30' - olive gray (5Y 4/2); moist; 30% clay, 60% silt, 10% fine sand.		
78.3	22 32 50 for 2'	MW-2B @ 37'	37			@ 35' - SILT with Sand ; olive gray (5Y 4/2); wet; 25% clay, 55% silt, 20% fine to medium sand; medium plasticity.		
7.8	25 31 50 for 2'		40			@ 37' - Sandy SILT ; brown (10YR 4/3); moist; 20% clay, 45% silt, 35% fine sand; medium plasticity.		
8.4	21 30 for 2'		40			@ 39' - light olive brown (2.5Y 5/4); wet.		
7.7	11 23 30		42			@ 42' - yellowish brown (10YR 5/4); moist.		

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WELL LOG (PID) I:\SHELL\16-CHARS\2406-1240612-SAN LEANDRO 1784 150TH\240612-GINTS\1784.GPJ DEFAULT.GDT 2/6/08



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BORING / WELL LOG

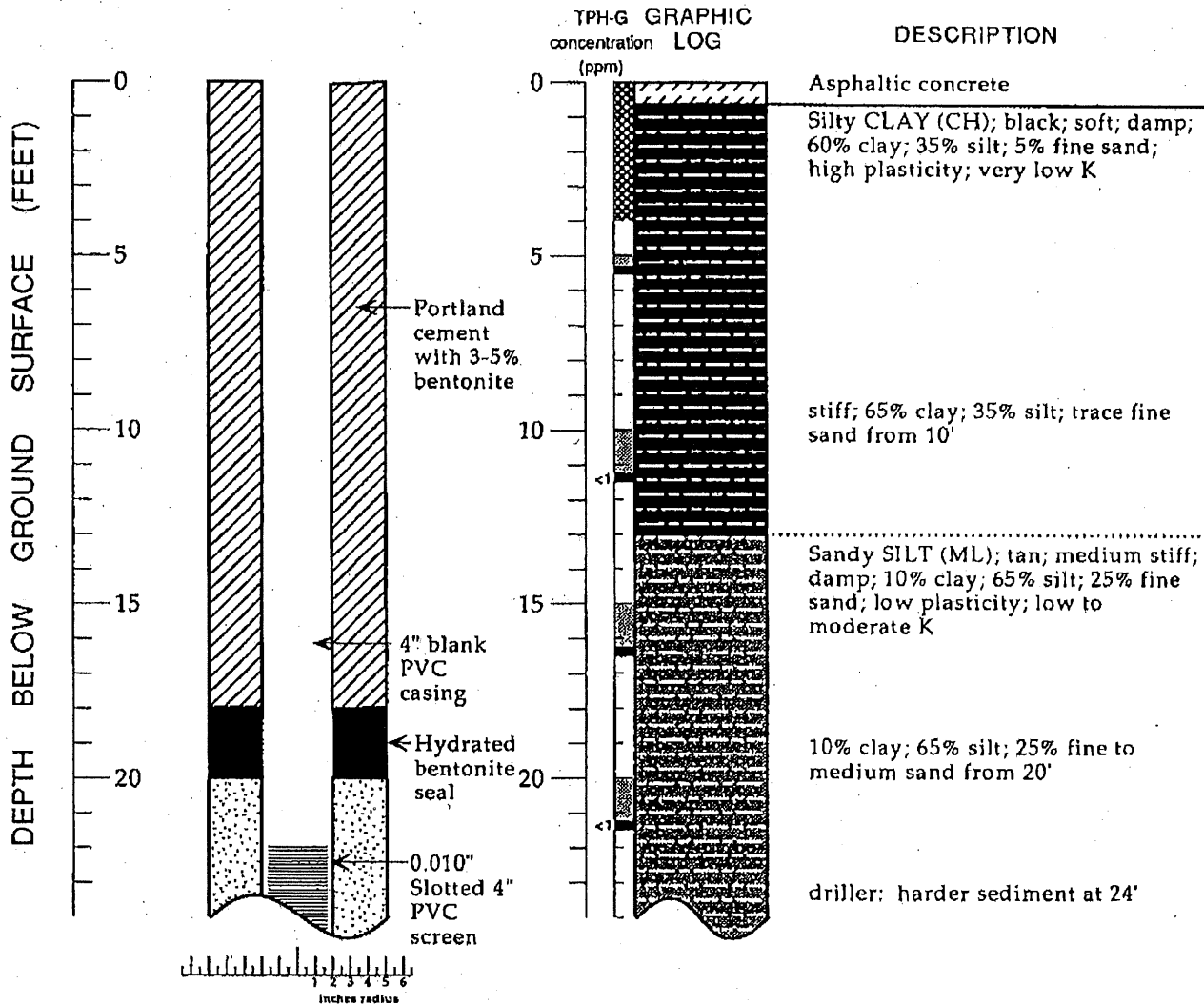
CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-2B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	28-Oct-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
13.7	7 17 23	MW-2B @ 44'					@ 44' - dark yellowish brown (10YR 4/4); 25% clay, 45% silt, 30% fine sand.		<p>Monterey Sand #2/12</p> <p>4"-diam., 0.020" Slotted Schedule 40 PVC</p> <p>Bottom of Boring @ 50 fbg</p>
1.7	6 16 25			45			@ 45' - brown (10YR 4/3); 25% clay, 40% silt, 30% fine sand, 5% fine gravel.		
2.7	22 50 for 4"				ML		@ 46' - 25% clay, 40% silt, 30% fine to medium sand, 5% fine gravel.		
3.1		MW-2B @ 49.5'		50				50.0	

WELL LOG (PID) I:\SHELL\US-CHARS\2406-1240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09

WELL MW-3 (BH-C)



EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K** = Estimated hydraulic conductivity

Logged By: Tom Fojut
 Supervisor: Joseph P. Theisen; CEG 1645
 Drilling Company: Soils Exploration Services, Benicia, CA
 License Number: Lic. #C57-582696
 Driller: Courtney Mossman
 Drilling Method: Hollow-stem auger
 Date Drilled: February 5, 1992
 Well Head Completion: 4" locking well-plug, traffic-rated vault
 Type of Sampler: Split barrel (2" ID)
 Ground Surface Elevation: 52.35 feet above mean sea level
 TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

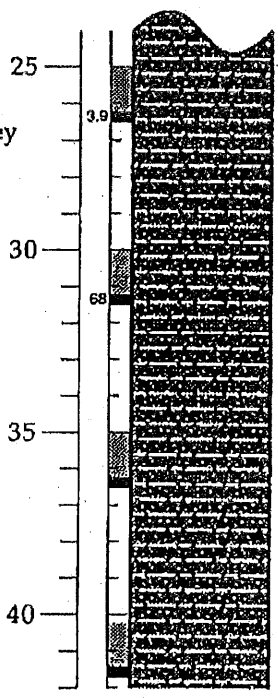
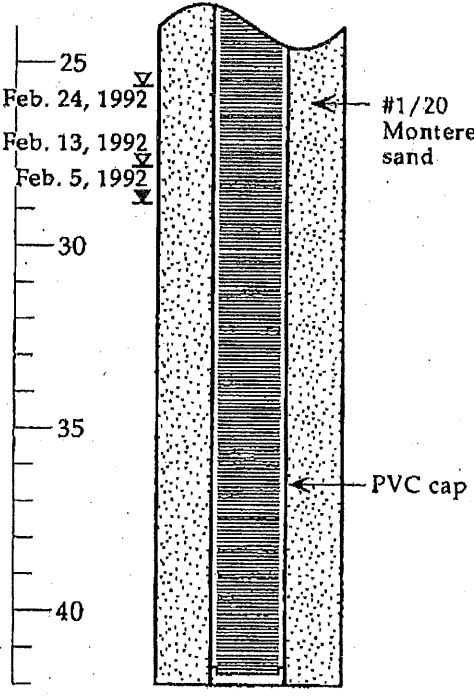
Boring Log and Well Construction Details - Well MW-3 (BH-C) - Shell Service Station WIC #204-6852-1404 - 1784 150th Avenue, San Leandro, California

WELL MW-3 (BH-C) (cont.)

TPH-g GRAPHIC
concentration LOG
(ppm)

DESCRIPTION

DEPTH BELOW GROUND SURFACE (FEET)

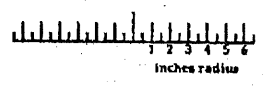


green-gray from 25'

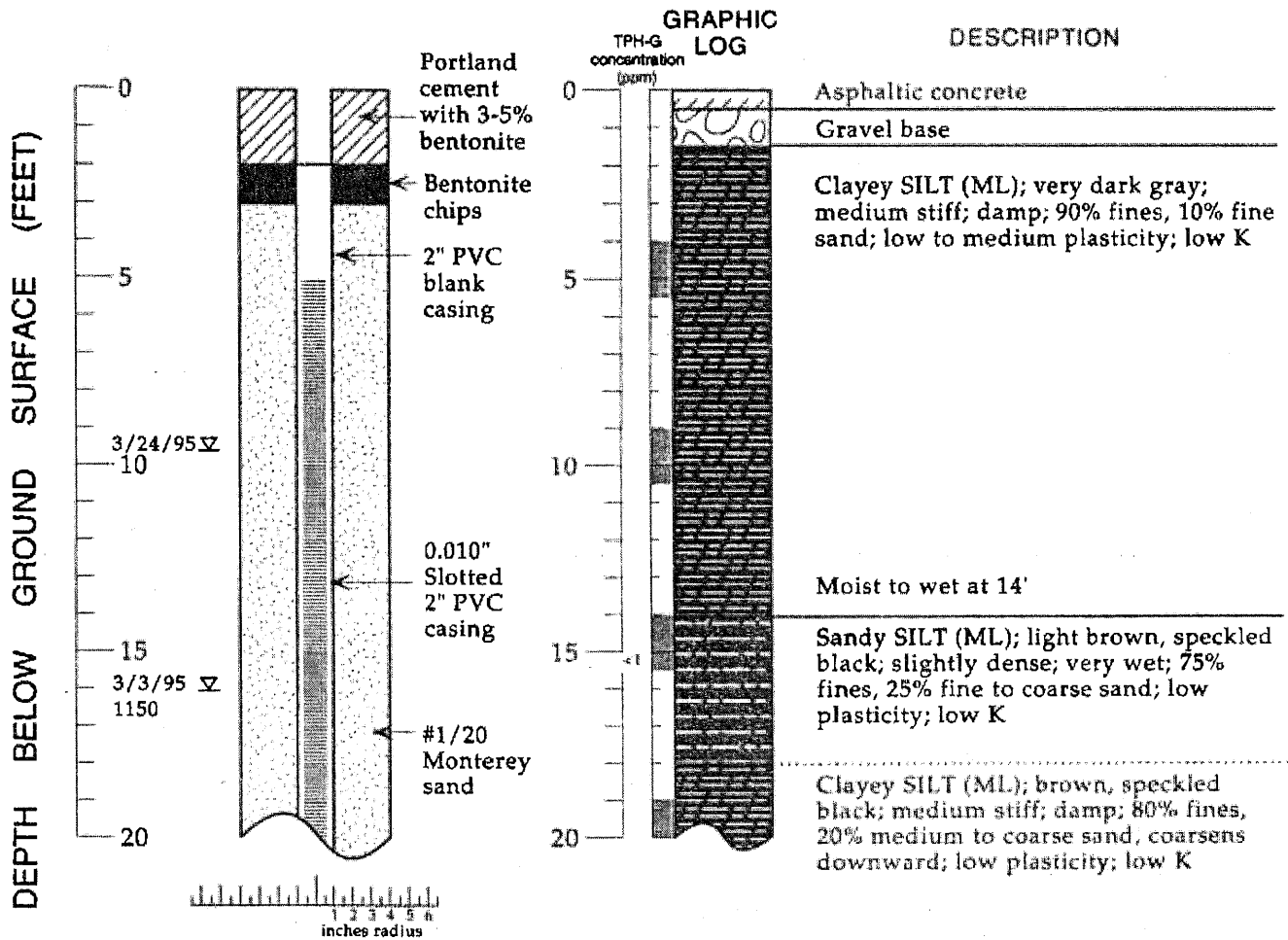
5% clay; 50% silt; 45% medium to coarse sand; moderate K

less than 6" thick silty sand lenses from 35'

wet from 36'



WELL MW-4 (BH-10)



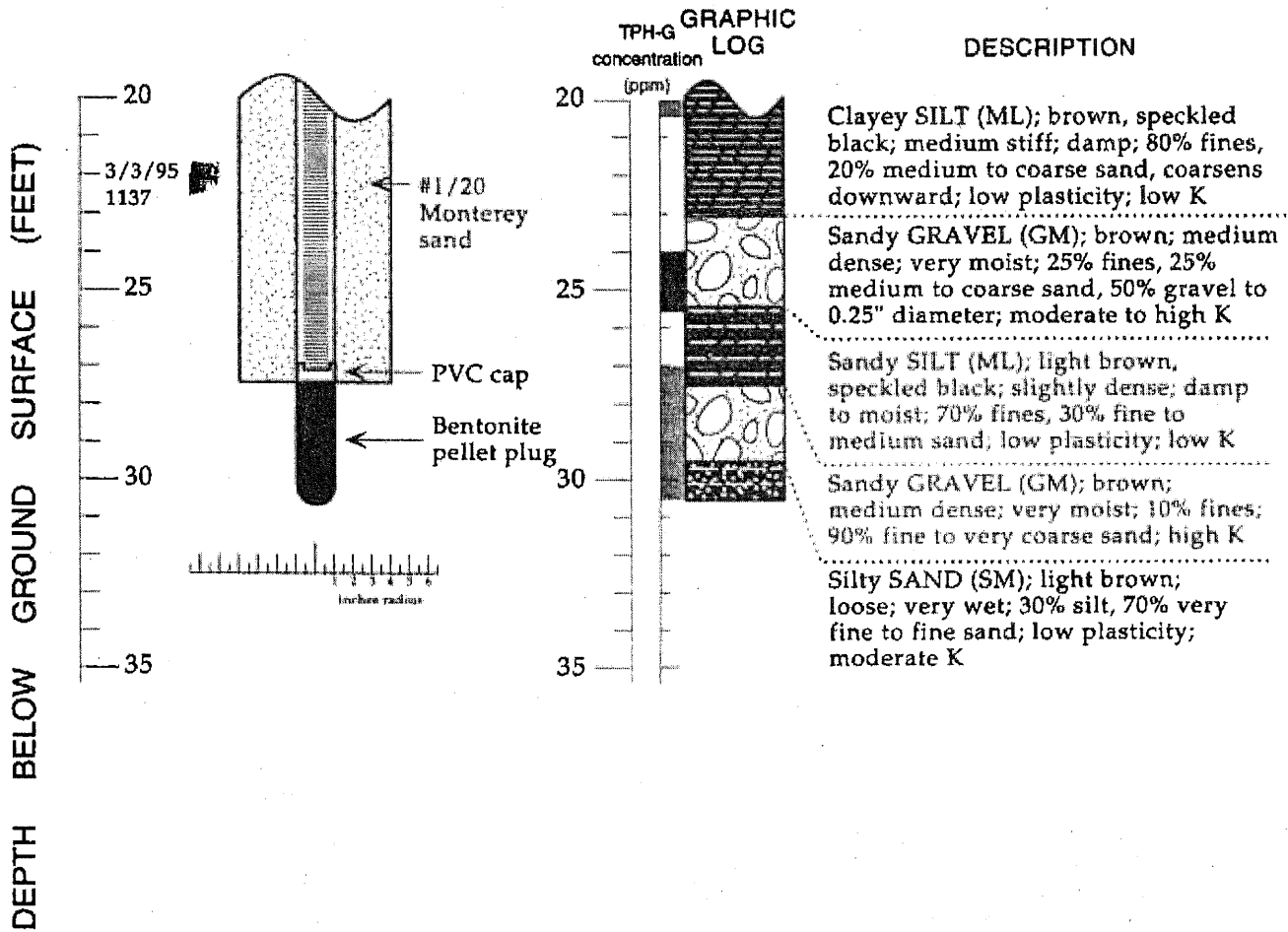
EXPLANATION

- ∇ Water level during drilling (date)
- ∇ Water level (date)
- Contact (dotted where approximate)
- ?-?-? Uncertain contact
- /////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Faith Daverin
 Supervisor: James W. Carmody; CEG 1576
 Drilling Company: Gregg Drilling, Martinez, CA
 License Number: C57-485165
 Driller: Marvin Hoover
 Drilling Method: Hollow stem auger
 Date Drilled: March 3, 1995
 Well Head Completion: 2" locking well-plug, traffic-rated vault
 Type of Sampler: Split barrel (2" ID)
 Ground Surface Elevation: 40.08 feet above mean sea level
 TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - MW-4 (BH-10) - Shell Service Station WIC #204-6852-1404, 150th Avenue, San Leandro, California

WELL MW-4 (BH-10)(cont.)



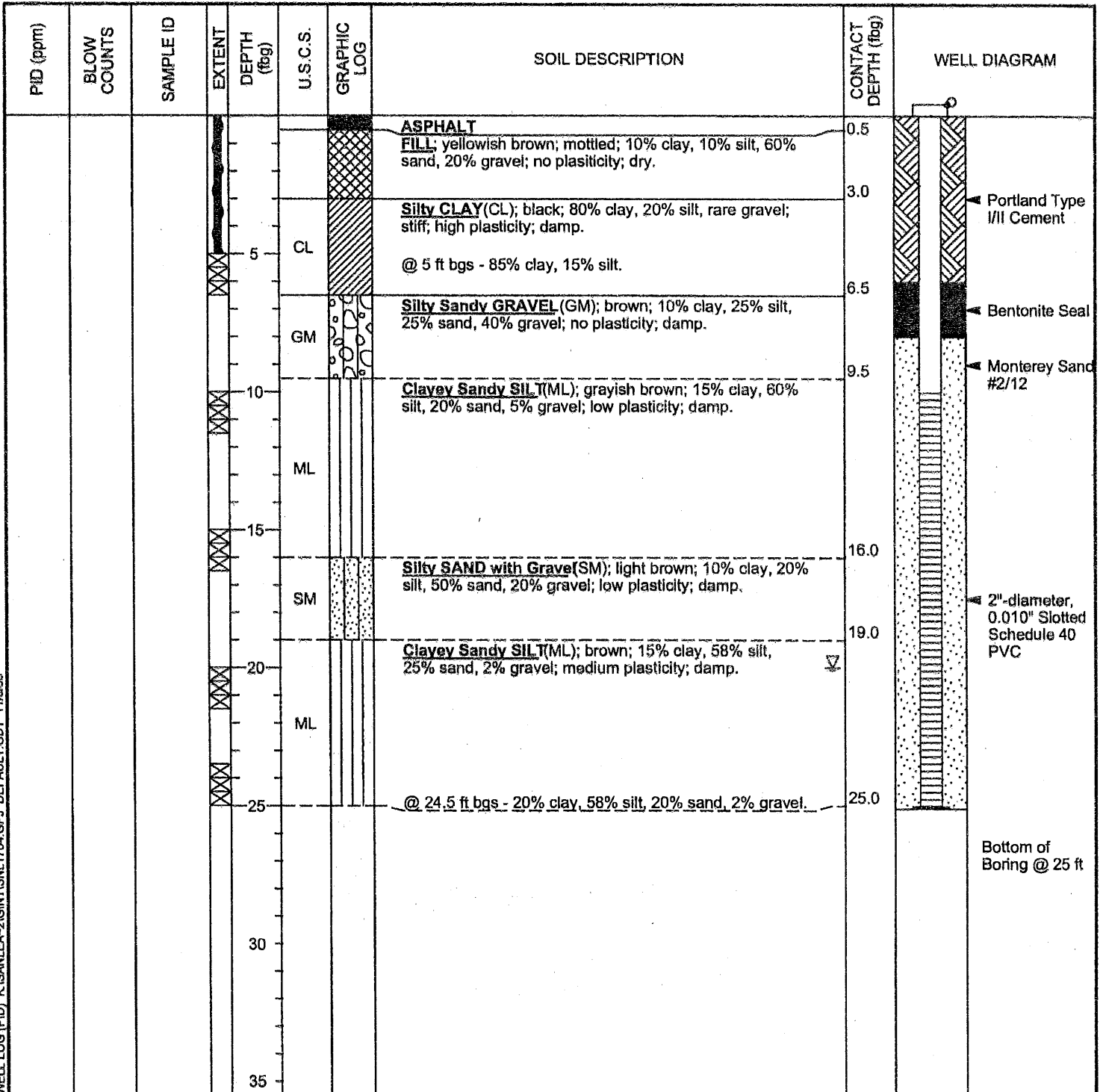
Boring Log and Well Construction Details - MW-4 (BH-10) - Shell Service Station WIC #204-6852-1404, 150th Avenue, San Leandro, California



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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-5
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	24-Oct-01
LOCATION	San Leandro, California	DRILLING COMPLETED	24-Oct-01
PROJECT NUMBER	248-0612-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	40.78 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	8"	SCREENED INTERVAL	10 to 25 fbg
LOGGED BY	S. Landsittel	DEPTH TO WATER (First Encountered)	20.0 ft (24-Oct-01)
REVIEWED BY	S. Bork, RG# 5620	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5' bgs. Located at corner of private driveway and 150th Ave. 100' SW of site.		



WELL LOG (PID) K:\SANLEA-2\GINT\SNL1784.GPJ DEFAULT.GDT 11/3/05

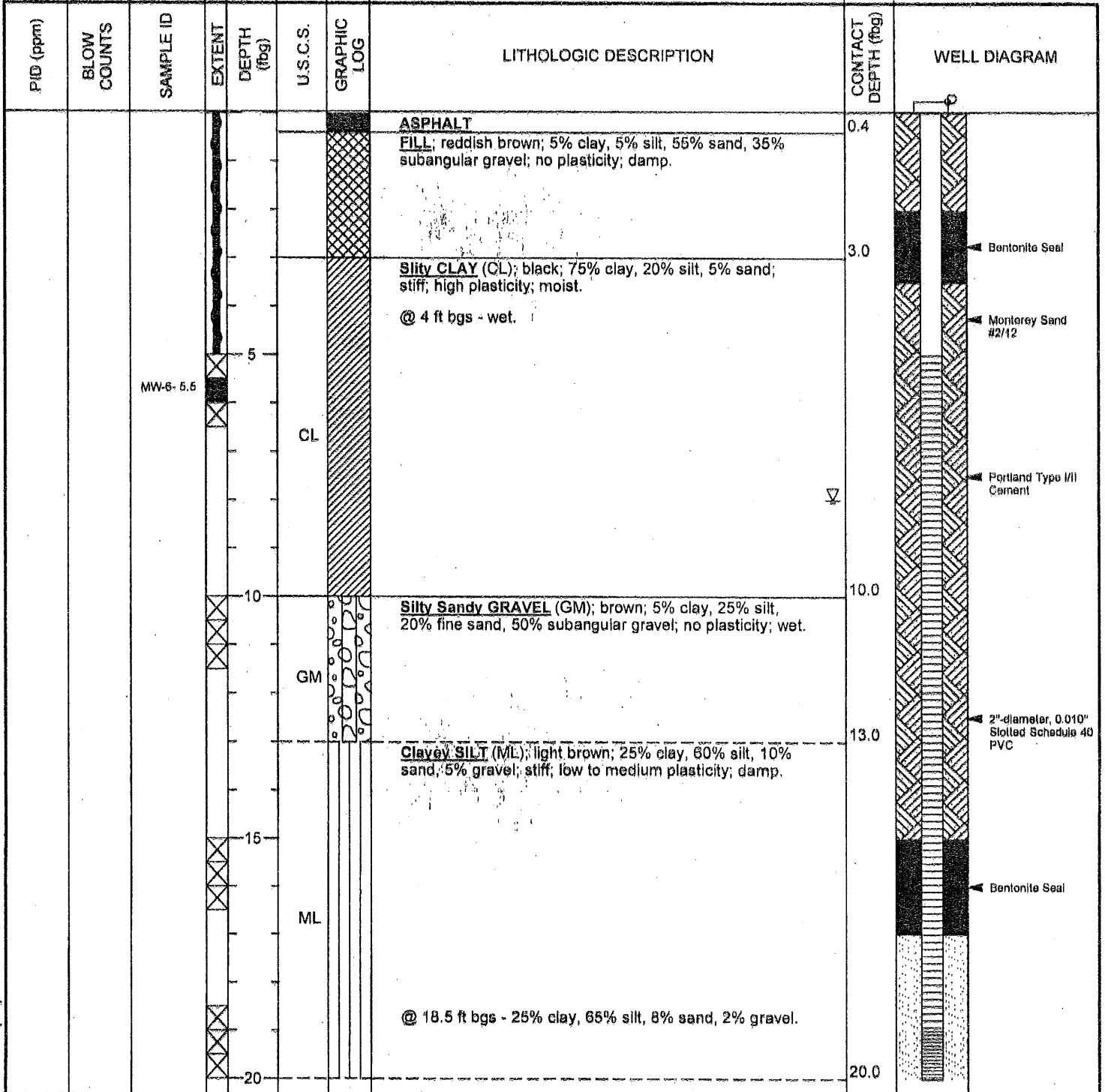


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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-6
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	24-Oct-01
LOCATION	San Leandro, California	DRILLING COMPLETED	24-Oct-01
PROJECT NUMBER	240812	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	41.76 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	8"	SCREENED INTERVALS	5 to 20 fbg
LOGGED BY	S. Landsittel	DEPTH TO WATER (First Encountered)	8.00 fbg
REVIEWED BY	S. Bork, RG# 5620	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5' bgs. Located in north side of private driveway approximately 70' SW of site and 120' SE of 150th Ave.		

WELL LOG (PID) I:\SHELL\6-CHARS\2406-1240612-1240812-GPJ DEFAULT.GDT 6/10/09



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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-6
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	24-Oct-01
LOCATION	San Leandro, California	DRILLING COMPLETED	24-Oct-01

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ftg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ftg)	WELL DIAGRAM
									<p>Bottom of Boring Monterey Sand @ 20.1 ftg 2" diameter, 0.010" Slotted Schedule 40 PVC</p>

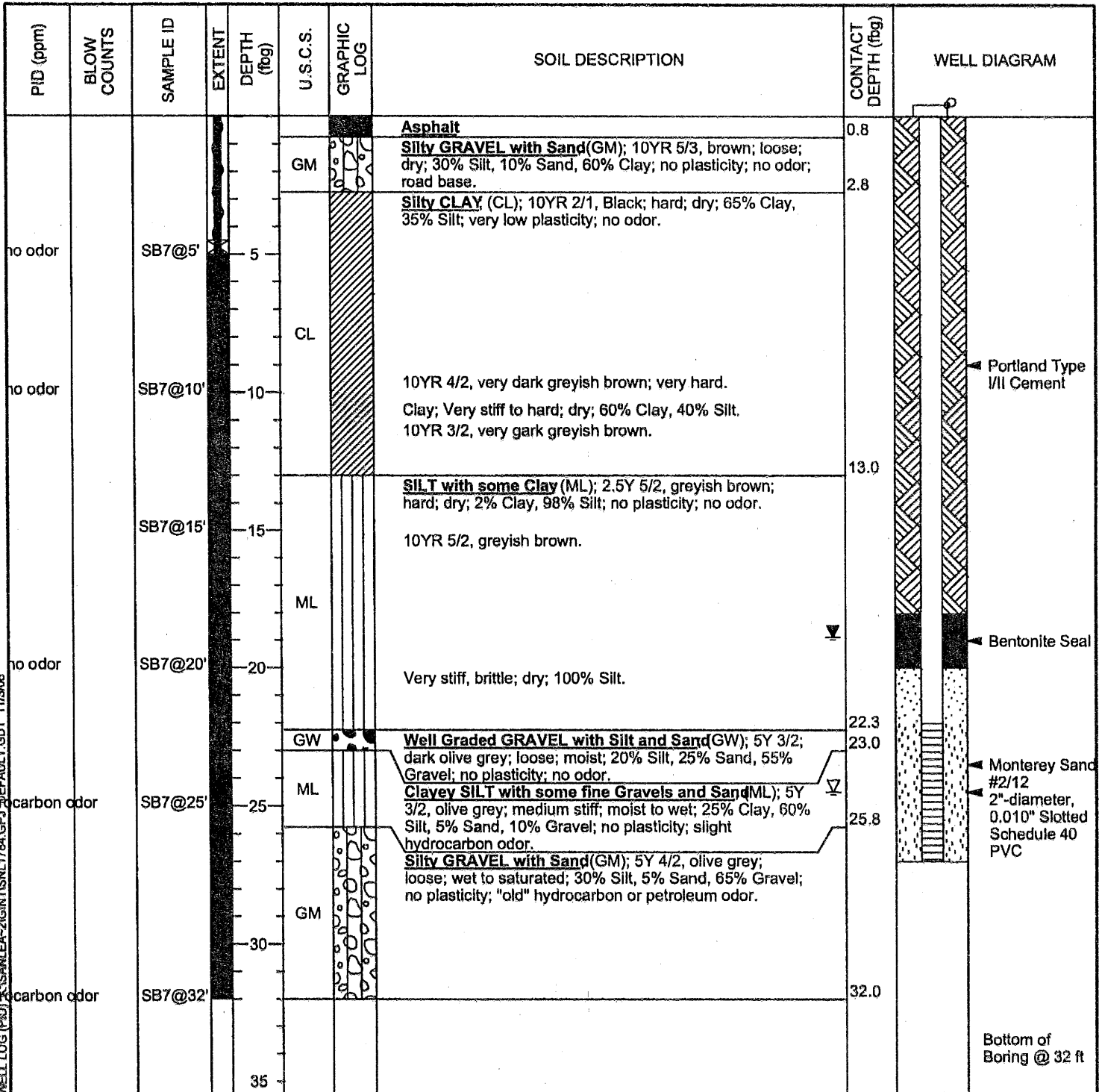
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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-7
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	03-Oct-02
LOCATION	San Leandro, California	DRILLING COMPLETED	03-Oct-02
PROJECT NUMBER	248-0612-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	44.86 ft above msl
DRILLING METHOD	Hollow Stem Auger	TOP OF CASING ELEVATION	44.45 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	22 to 27 fbg
LOGGED BY	S. Dalle	DEPTH TO WATER (First Encountered)	24.5 ft (03-Oct-02)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	18.88 ft (04-Oct-02)
REMARKS	Hand augered to 5' bgs.		



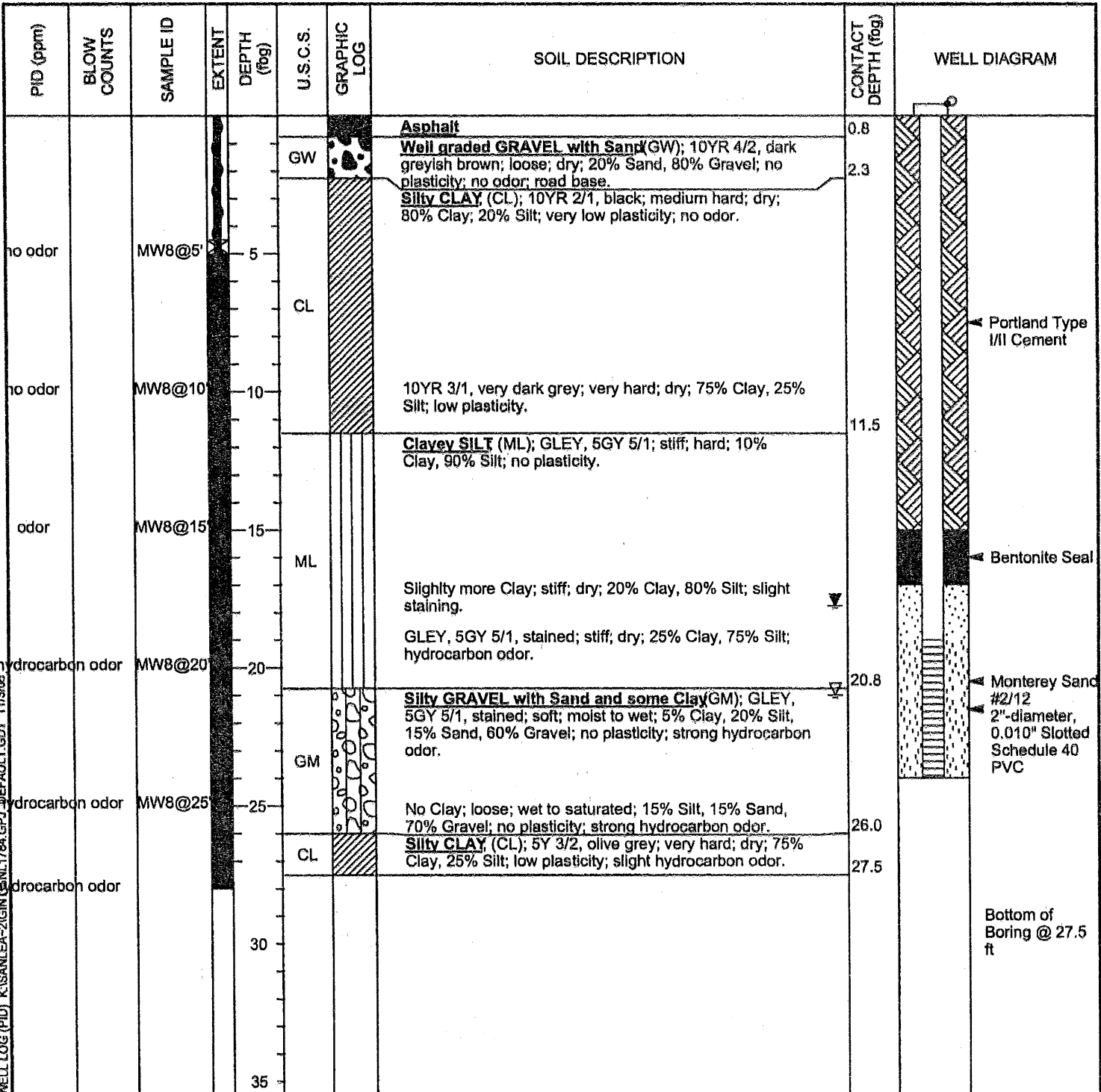
WELL LOG (PID) SANLEA-2GINTSNL1784.GPJ DEFAULT.GDT 11/2/06



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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-8
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	04-Oct-02
LOCATION	San Leandro, California	DRILLING COMPLETED	04-Oct-02
PROJECT NUMBER	248-0812-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	43.60 ft above msl
DRILLING METHOD	Direct Push/Hollow Stem Auger	TOP OF CASING ELEVATION	43.27 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	19 to 24 fbg
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	21.0 ft (04-Oct-02)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	17.76 ft (04-Oct-02)
REMARKS	Hand augered to 5' bgs.		



WELL LOG (PID) K:\SANLEA-2\GINT\251\1784.GPJ - DEFAULT.GDT 11/3/06



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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-9
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	19-Nov-03
LOCATION	San Leandro, California	DRILLING COMPLETED	19-Nov-03
PROJECT NUMBER	248-0612-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	41.84 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	41.65 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	30 to 35 fbg
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	20.0 ft (19-Nov-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	14.78 ft (20-Nov-03)
REMARKS	Hand augered to 5 fbg, located in Portofino Circle.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.6			Asphalt. CLAY (CL); Black; very stiff; dry; 85% clay, 15% silt; low plasticity. CLAY with some small sub angular gravel.	0.6	
0.1		MW-9-5'		5	CL				
0		MW-9-10'		10			Brownish gray; very stiff to hard; dry; 90% clay, 5% silt; no plasticity.		
0.1		MW-9-15'		15	OL		Silty CLAY (OL); Brownish gray; very stiff to hard; dry; 70% clay, 30% silt.	15.0	
				17.5	SC		Clayey SAND (SC); Brownish gray; medium dense; damp; 45% clay, 55% sand; low plasticity.	17.5	
3		MW-9-20'		20	GC		Clayey GRAVEL (GC); Brownish gray; medium dense; moist to wet; 25% clay, 5% sand, 70% Gravel.	20.0	
				22.5			CLAY (CL); Light brown; very stiff to hard; damp; 95% clay, 5% small gravel.	22.5	
1.8		MW-9-25'		25	CL				
				27.5			Clayey GRAVEL (GC); Light brown; very dense; saturated; 45% clay, 55% gravel.	27.5	
0		MW-9-30'		30	GC				
				32.5			Well Graded GRAVEL (GW); Light brown; loose; saturated; 25% coarse sand, 75% gravel.	32.5	
				35.0	GW			35.0	

WELL LOG (PID) K:\SANLEA-2\GINT\SNL1784.GPJ DEFAULT.GDT 10/26/06



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BORING/WELL LOG

CLIENT NAME Shell Oil Products Company (US) BORING/WELL NAME MW-9
 JOB/SITE NAME 1784 150th Avenue DRILLING STARTED 19-Nov-03
 LOCATION San Leandro, California DRILLING COMPLETED 19-Nov-03

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ftg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (ftg)	WELL DIAGRAM
0.1		MW-9-34.5'		40 45 50 55 60 65 70 75					Bottom of Boring @ 35 ft

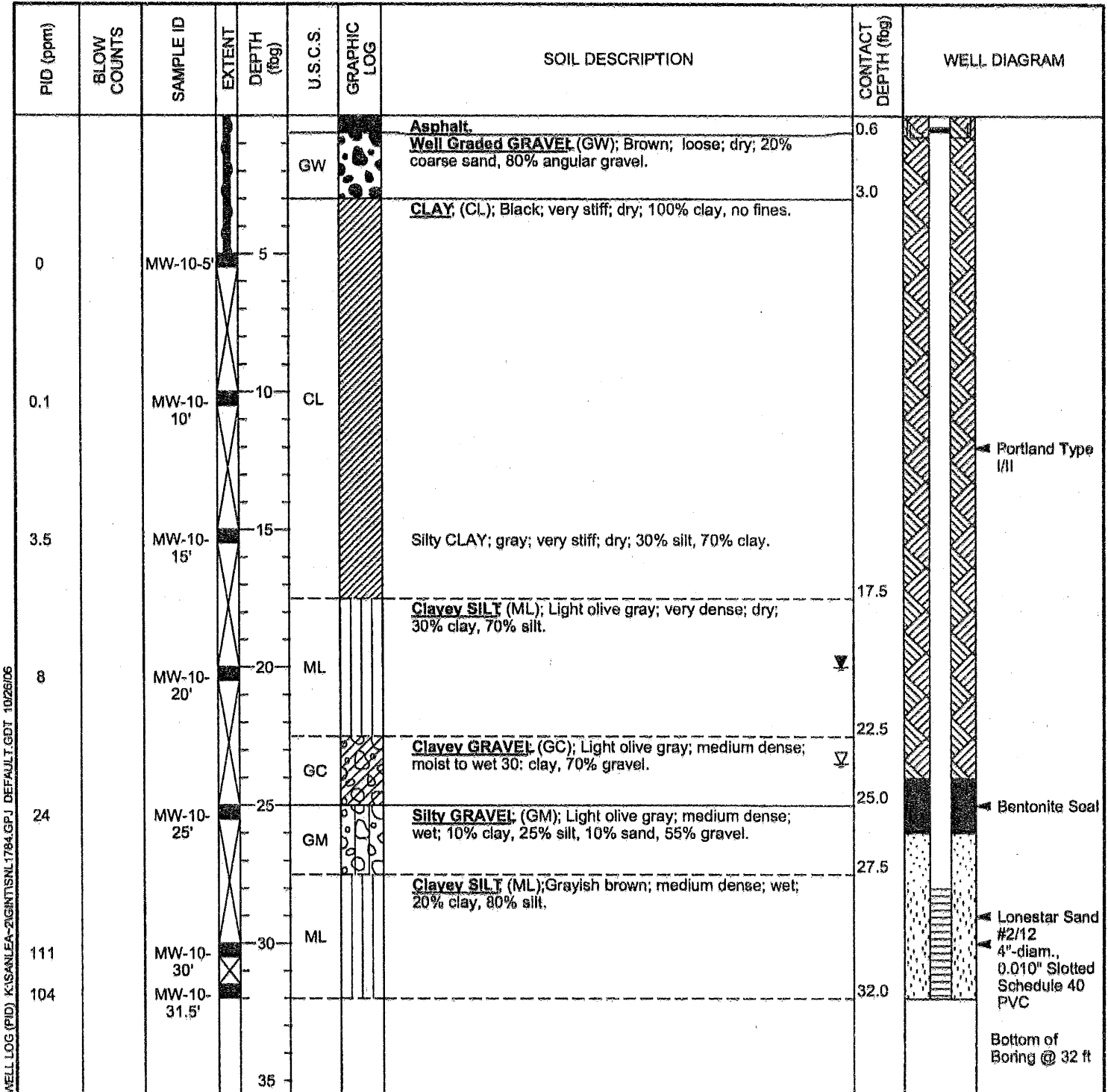
WELL LOG (PID) K:\SANLEA-2\GINTS\NL1784.GPJ DEFAULT.GDT 10/25/06



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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-10
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	20-Nov-03
LOCATION	San Leandro, California	DRILLING COMPLETED	20-Nov-03
PROJECT NUMBER	248-0612-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	50.98 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	50.64 ft above msl
BORING DIAMETER	10"	SCREENED INTERVAL	28 to 32 fbg
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	23.5 ft (20-Nov-03) ▽
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	20.00 ft (20-Nov-03) ▽
REMARKS	Hand augered to 5 fbg.		



WELL LOG (PID) K:\SANLEA-2\GINT\SNL1784.GPJ DEFAULT.GDT 10/26/06



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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-11
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	20-Nov-03
LOCATION	San Leandro, California	DRILLING COMPLETED	20-Nov-03
PROJECT NUMBER	248-0612-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	45.94 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	45.58 ft above msl
BORING DIAMETER	10"	SCREENED INTERVAL	15 to 25 fbg
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	23.5 ft (20-Nov-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ftg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (ftg)	WELL DIAGRAM
				0.8			Asphalt.	0.8	<p>Portland Type I/II</p> <p>Bentonite Seal</p> <p>Lonestar Sand #2/12 4"-diam., 0.010" Slotted Schedule 40 PVC</p> <p>Bottom of Boring @ 25 ft</p>
				3.0	GW		Well Graded GRAVEL with sand (GW); Brown; loose; dry; 30% sand, 70% gravel.	3.0	
				4.0	GC		Clayey GRAVEL (GC); gray to black; stiff; dry; 40% clay, 60% gravel.	4.0	
2.0		MW-11-5'		5	CL		Silty CLAY (CL); Black; very stiff to hard; dry; 65% clay, 35% silt.		
				10					
2.8		MW-11-10'		10					
				12.5			Clayey SILT (ML); Olive gray; dense; dry; 45% clay, 55% silt.	12.5	
				15	ML				
18		MW-11-15'		15					
				20					
51		MW-11-20'		20					
				22.5			Clayey GRAVEL (GC); Olive gray; medium dense; wet; 25% clay, 5% sand, 70% gravel.	22.5	
				25.0	GC			25.0	
11		MW-11-25'		25					
				30					
				35					

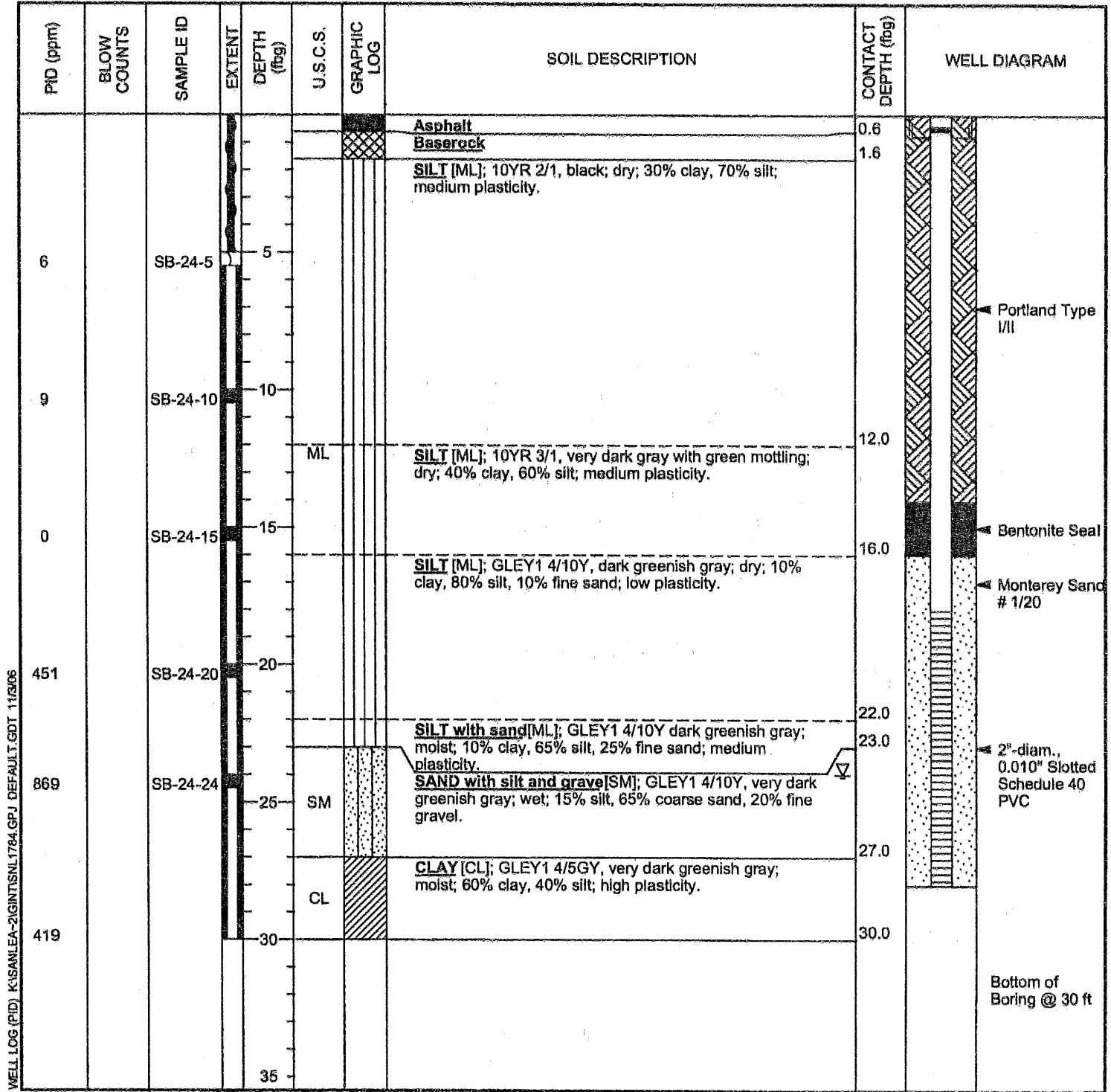
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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-12
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	23-May-06
LOCATION	San Leandro, California	DRILLING COMPLETED	26-Feb-06
PROJECT NUMBER	248-0612-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	44.46 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	44.10 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	18 to 28 fbg
LOGGED BY	B. DeBoer	DEPTH TO WATER (First Encountered)	24.0 ft (26-May-06)
REVIEWED BY	A. Cool	DEPTH TO WATER (Static)	NA
REMARKS	Air Knife to 5 fbg		

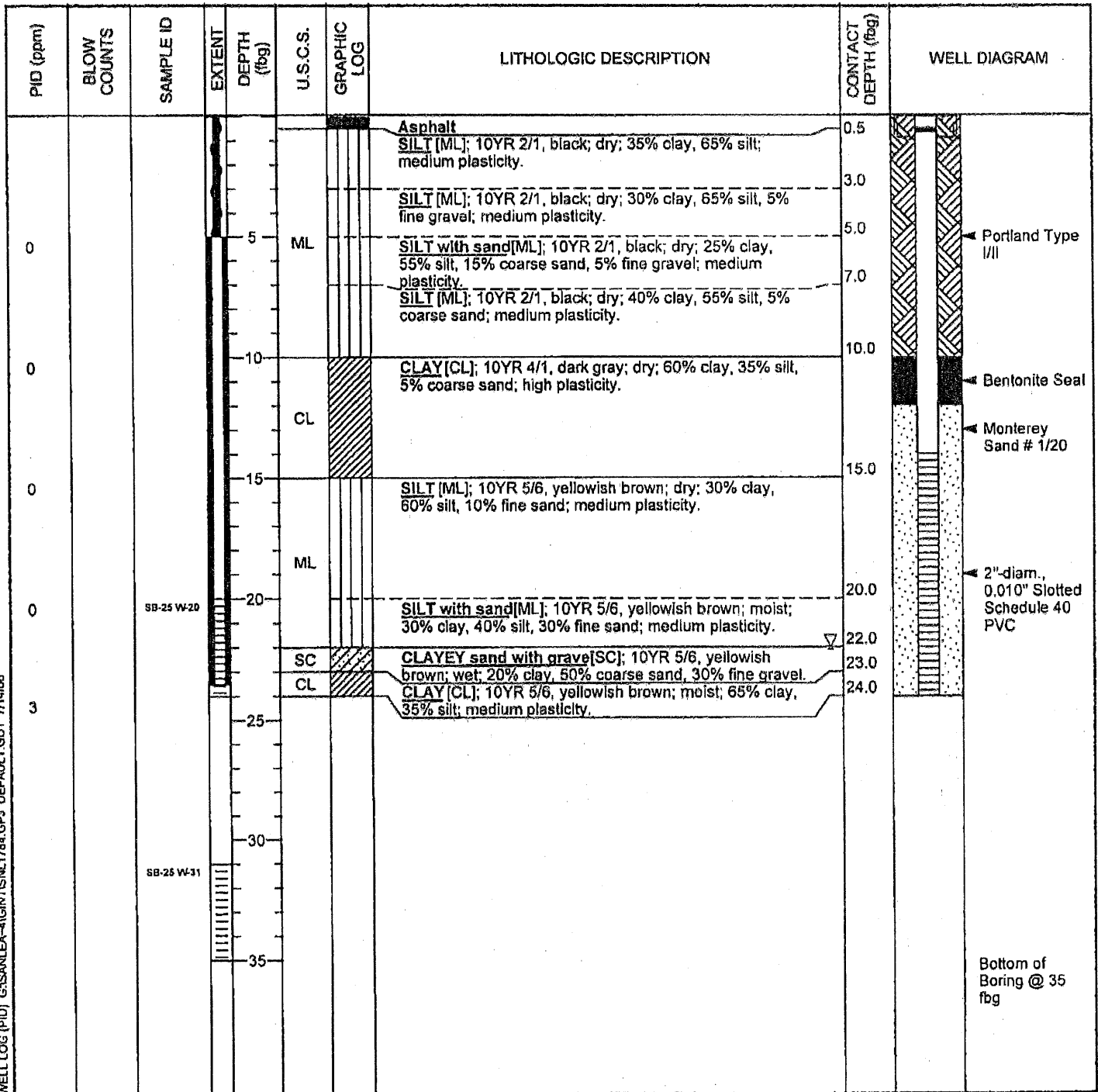




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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	SB-25/MW-13
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	23-May-06
LOCATION	San Leandro, California	DRILLING COMPLETED	24-May-06
PROJECT NUMBER	248-0612-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	41.84 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	41.59 ft above msl
BORING DIAMETER	8"	SCREENED INTERVALS	14 to 24 fbg
LOGGED BY	B. DeBoer	DEPTH TO WATER (First Encountered)	22.0 fbg (24-May-06)
REVIEWED BY	A. Cool	DEPTH TO WATER (Static)	NA
REMARKS	Air Knife to 5 fbg.		



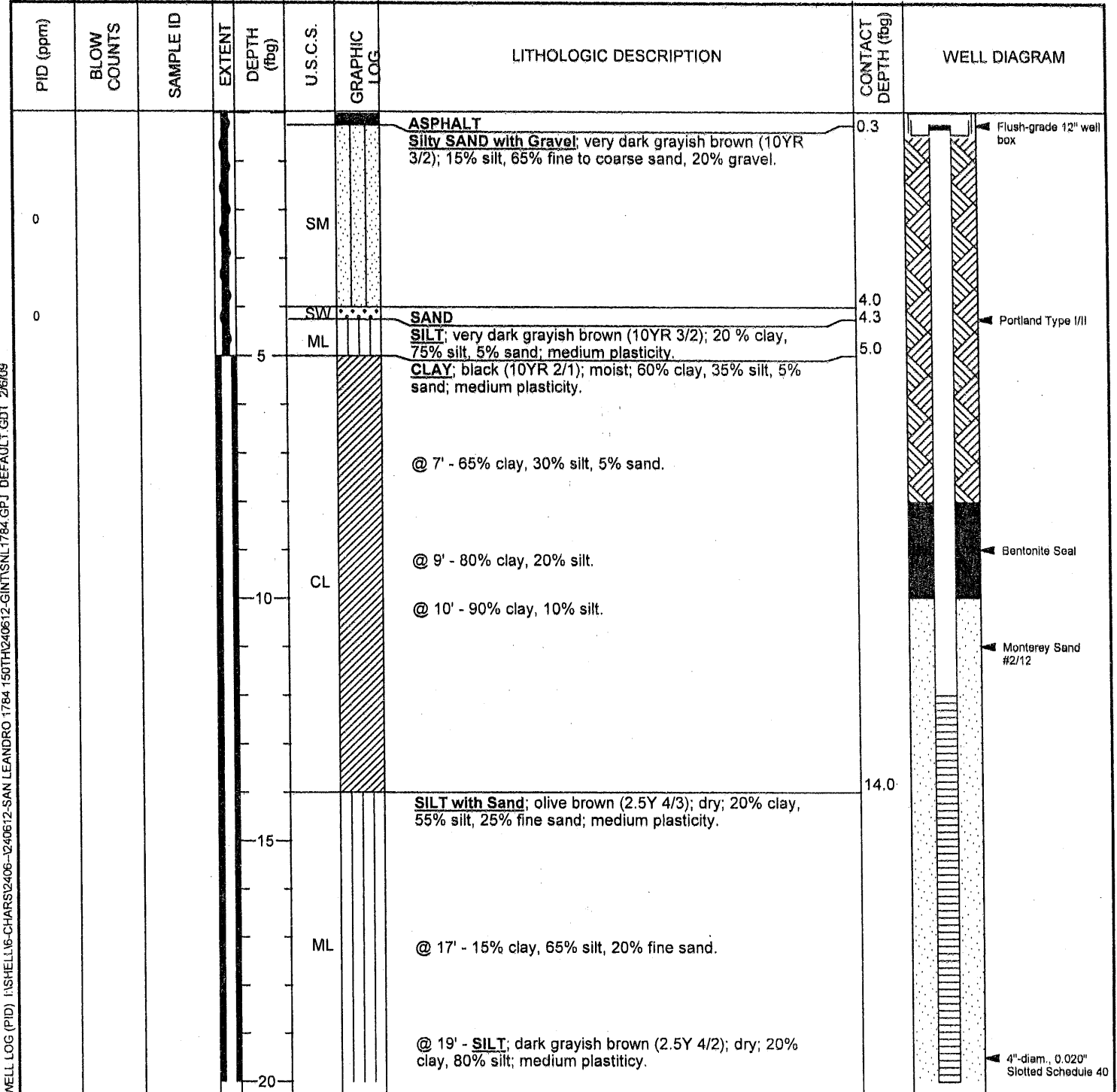
WELL LOG (PID) G:\SANLEA-4\GINTS\NL1784.GPJ DEFAULT.GDT 7/14/06



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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-1A
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	27-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	08-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	16-Sep-08 (29 gallons)
DRILLER	Gregg Drilling, C-57 #485165	GROUND SURFACE ELEVATION	48.09 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	47.74 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	12 to 27 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	22.49 fbg (15-Sep-09) ▼
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	22.49 fbg (15-Sep-08) ▼
REMARKS	Air knife to 5 fbg		



WELL LOG (PID) I:\SHELL\16-CHARS\2406-12\40612-SAN LEANDRO-1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-1A
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	27-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	08-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				25	ML		@ 20' - 15% clay, 85% silt; low plasticity. @ 26' - 20% clay, 70% silt, 10% fine sand.	27.0	<p>PVC</p> <p>Bottom of Boring @ 27 fbg</p>

WELL LOG (PID) I:\SHELL\6-CHARS\2406--240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL\784.GPJ DEFAULT.GDT 2/6/08

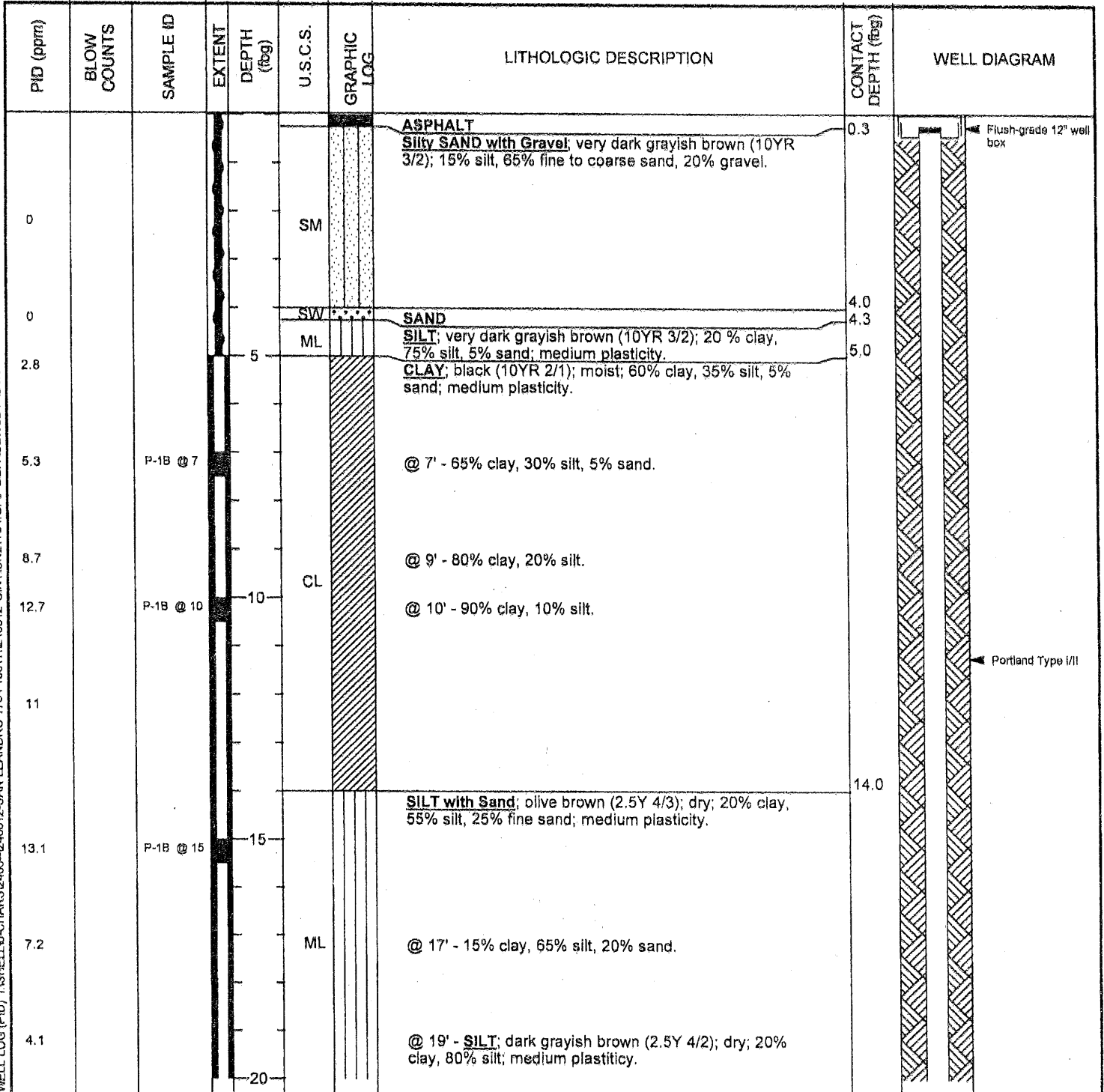


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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-1B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	27-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	04-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	16-Sep-08 (82 gallons)
DRILLER	Gregg Drilling, C-57 #485165	GROUND SURFACE ELEVATION	47.99 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	47.65 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	26 to 36 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	34.00 fbg (04-Sep-08) ▼
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	22.50 fbg (15-Sep-08) ▼
REMARKS	Air knife to 5 fbg		

WELL LOG (PID) I:\SHELL\6-CHARS\2406-1240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ_DEFAULT.GDT 2/6/09



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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-1B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	27-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	04-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
2.1						@ 20' - 15% clay, 85% silt; low plasticity.		
3.8								
122.5		P-1B @ 25	25					
330				ML		@ 26' - 20% clay, 70% silt, 10% fine sand.		
263						@ 27' - moist; 35% clay, 65% silt; medium plasticity.		
425		P-1B @ 30	30			@ 28' - SILT with Sand ; dark gray (10YR 4/1); dry; 5% clay, 70% silt, 25% fine sand; low plasticity.		
126						@ 29' - dark yellowish brown (10YR 4/2);		
92						@ 30' - moist; 80% silt, 20% fine sand.		
83						@ 31' - grayish brown (2.5Y 5/2); dry; 75% silt, 25% fine to medium sand.		
36.5		P-1B @ 35.5	35.5			@ 32' - SILT ; grayish brown (2.5Y 5/2); moist; 25% clay, 70% silt, 5% sand; low plasticity.		
						@ 34' - SILT with Sand ; dark grayish brown (2.5Y 4/2); moist; 15% clay, 60% silt, 25% fine to medium sand; medium plasticity.		
							36.0	Bottom of Boring @ 36 fbg

WELL LOG (PID) I:\SHELL\16-CHARS\2406-1240612-SAN LEANDRO 1784 150THV240612-GINTS\1784.GPJ DEFAULT.GDT 2/6/09

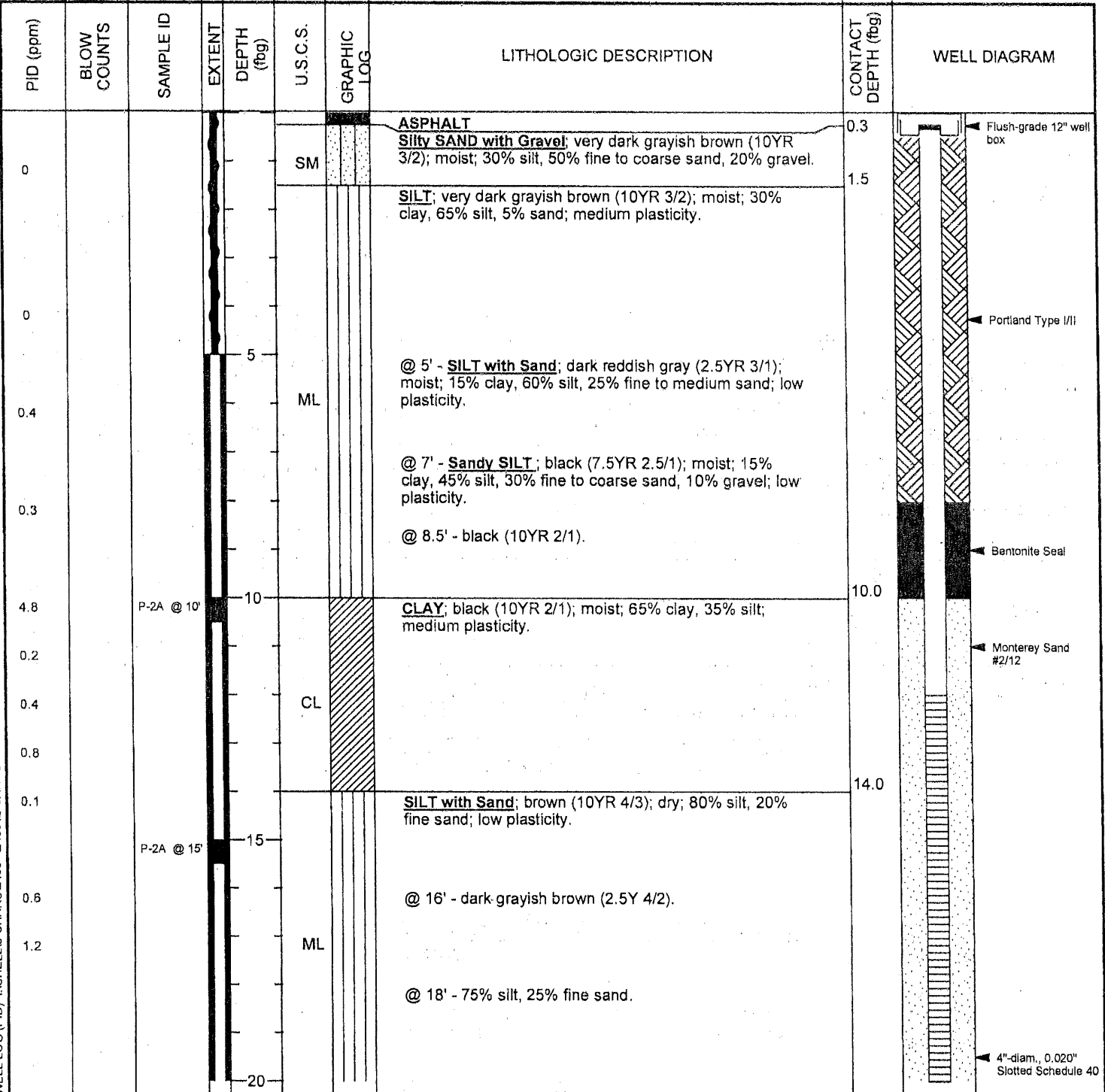


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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-2A
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	02-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	15-Sep-08 (21 gallons)
DRILLER	Gregg Drilling, C-57 #485165	GROUND SURFACE ELEVATION	49.29 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	48.81 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	12 to 27 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	23.58 fbg (15-Sep-08)
REMARKS	Air knife to 5 fbg		

WELL LOG (PID) I:\SHELL\16-CHARS\2406-1240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09



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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-2A
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	02-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.1							Sandy SILT with gravel ; grayish brown (2.5Y 5/2); dry; 55% silt, 30% fine sand, 15% gravel; low plasticity.		<p>PVC</p>
0.6									
0.8							@ 22' - Sandy SILT ; grayish brown (2.5Y 5/2); dry; 65% silt, 35% fine sand; low plasticity.		
0.2					ML				
				25			@ 25' - dark grayish brown (2.5Y 4/2).		
33.1							@ 26' - dark gray (5Y 4/1); 70% silt, 30% fine sand.	27.0	Bottom of Boring @ 27 fbg

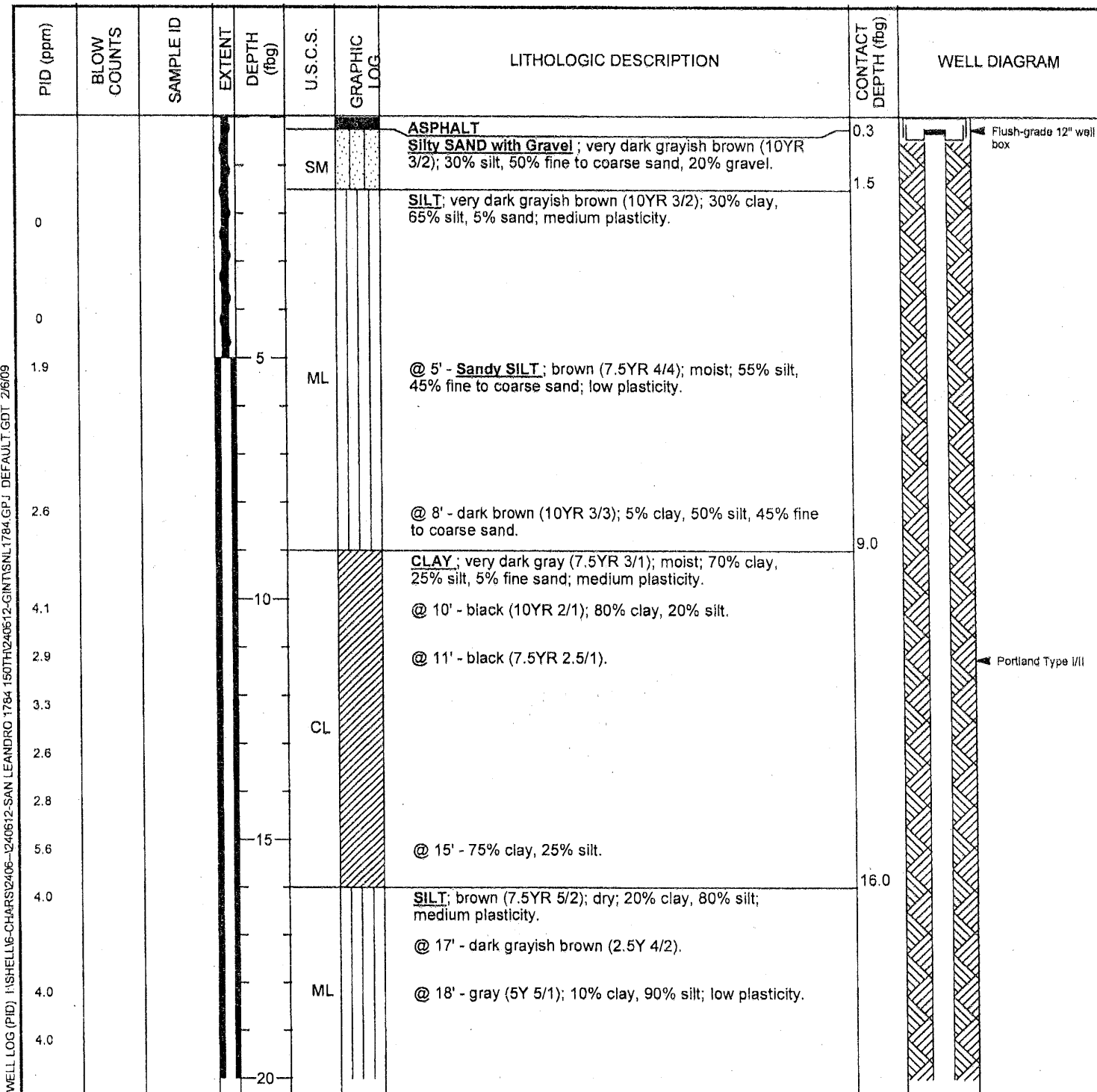
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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-2B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	03-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	15-Sep-08 (65 gallons)
DRILLER	Gregg Drilling, C-57 #485165	GROUND SURFACE ELEVATION	49.45 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	49.02 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	26 to 36 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	23.40 fbg (15-Sep-08)
REMARKS	Air knife to 5 fbg		



WELL LOG (PID) I:\SHELL\6-CHARS\2406-1240612-SAN LEANDRO 1784 150TH\240612-GINTSNL1784.GPJ DEFAULT.GDT 2/6/09

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-2B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	03-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
2.0						@ 20' - dark gray (10YR 4/1); 5% clay, 85% silt, 10% fine to coarse sand.		
2.6						@ 22' - Sandy SILT ; dark gray (2.5Y 4/1); dry; 60% silt, 35% fine to coarse sand, 5% gravel; low plasticity.		
2.0						@ 23.5' - SILT ; grayish brown (10YR 5/2); dry; 15% clay, 85% silt; low plasticity.		
1.3			25			@ 25' - gray (10YR 5/1); 20% clay, 80% silt.		
18.3						@ 26' - dark grayish brown (2.5Y 4/2).		
92								
490		P-2B @ 29		ML		@ 28' - gray (5Y 5/1); 15% clay, 85% silt.		
236			30			@ 29' - gray (2.5Y 5/1).		
17						@ 30' - SILT with Sand ; gray (10YR 5/1); dry; 5% clay, 75% silt, 20% fine sand; low plasticity.		
27								
37						@ 33' - brown (10YR 5/3); moist; 5% clay, 70% silt, 25% sand; low plasticity.		
						@ 34' - brown (7.5YR 4/3).		
48		P-2B @ 35	35			@ 35' - brown (10YR 4/3); 20% clay, 60% silt, 20% fine sand.		
							36.0	Bottom of Boring @ 36 fbg

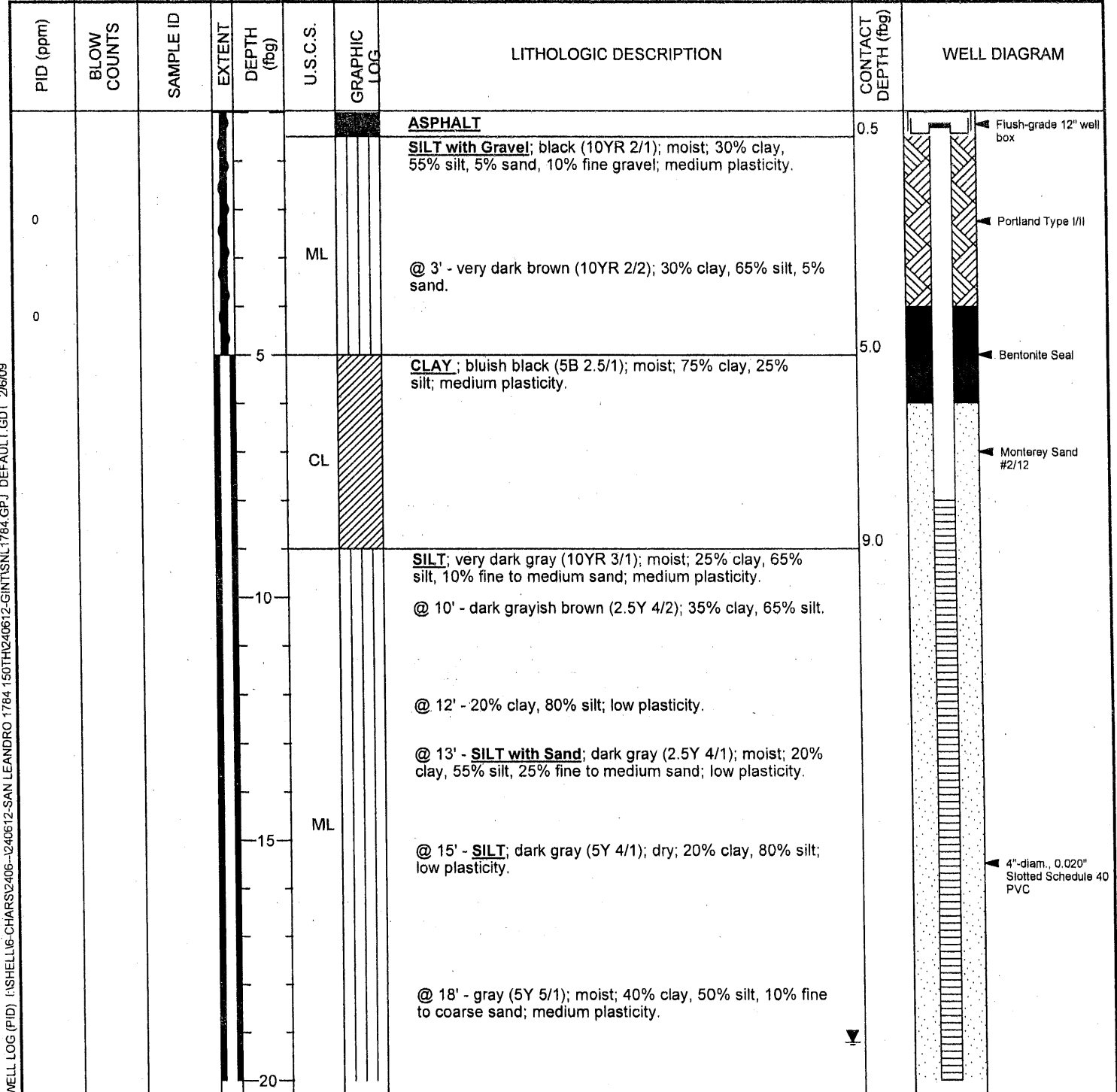
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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-3A
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	28-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	08-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	16-Sep-08 (19 gallons)
DRILLER	Gregg Drilling, C-57 #485165	GROUND SURFACE ELEVATION	44.99 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	44.56 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	8 to 23 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	19.21 fbg (15-Sep-08)
REMARKS	Air knife to 5 fbg		



WELL LOG (PID) I:\SHELL\6-CHARS\2-406--1240612-GINT\SNL1784.GPJ_DEFAULT.GDT 2/6/09

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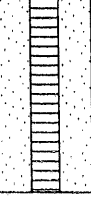


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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-3A
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	28-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	08-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ML		@ 20' - dark gray (5Y 4/1). @ 22' - brown (7.5YR 4/4); 20% clay, 75% silt, 5% sand.	23.0	 Bottom of Boring @ 23 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2406-1240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09

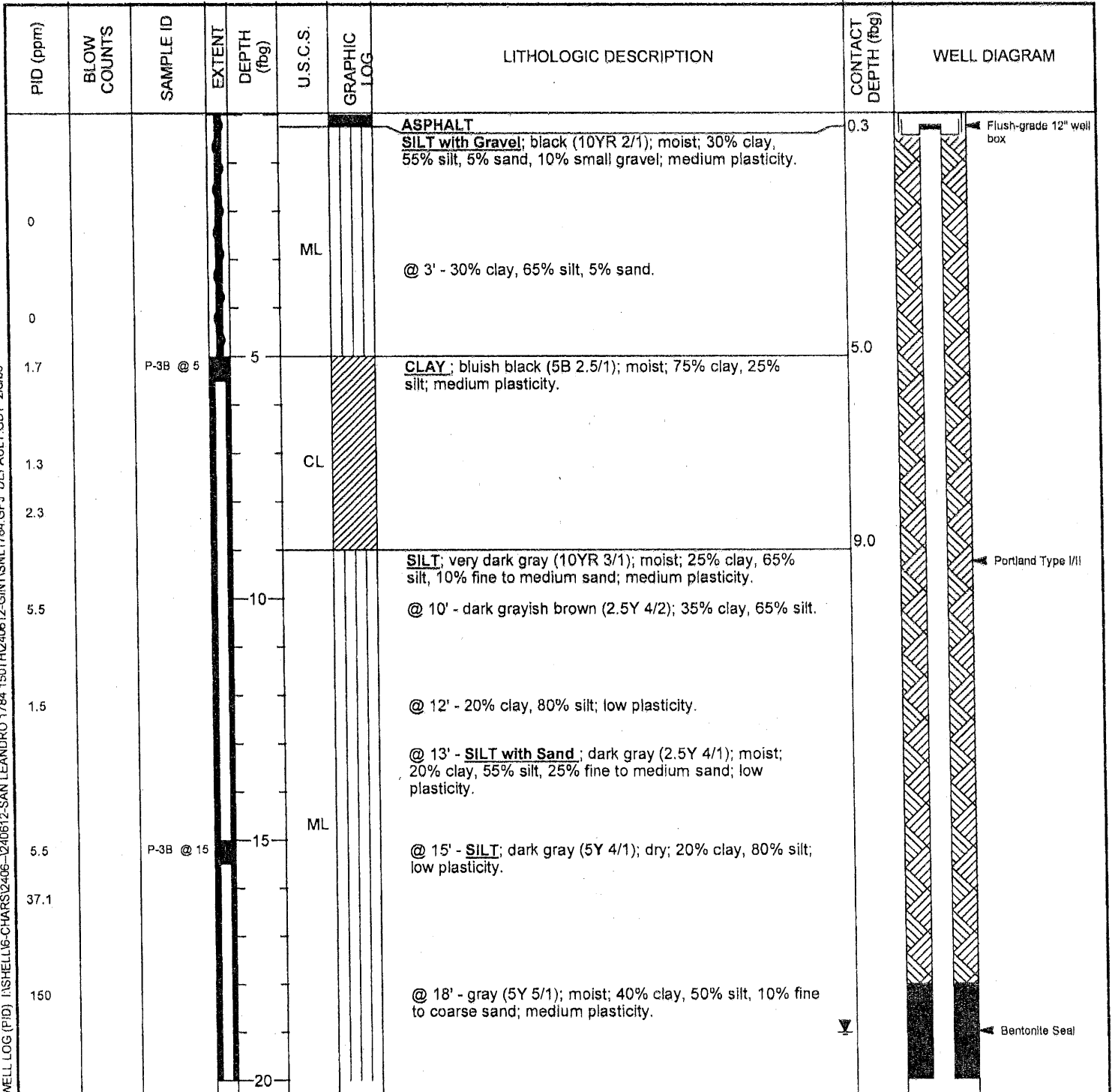


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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-3B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	28-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	05-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	16-Sep-08 (87 gallons)
DRILLER	Gregg Drilling, C-57 #485165	GROUND SURFACE ELEVATION	44.82 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	44.62 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	22 to 32 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	24.00 fbg (05-Sep-08) ▼
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	19.02 fbg (15-Sep-08) ▼
REMARKS	Air knife to 5 fbg		

WELL LOG (PID) I:\SHELL\6-CHARS\2406-1240612-SAN LEANDRO 1784 150TH\240612-CINT\SNL1784.GPJ DEFAULT.GDT 2/6/09



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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-3B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	28-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	05-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
382		P-3B @ 20					@ 20' - dark gray (5Y 4/1).		<p>Monterey Sand #2/12</p> <p>4"-diam., 0.020" Slotted Schedule 40 PVC</p> <p>Bottom of Boring @ 32 fbg</p>
196						@ 22' - brown (7.5YR 4/4); 20% clay, 75% silt, 5% sand.			
95.4						@ 24' - wet; 20% clay, 80% silt.			
122				25	ML	@ 25' - gray (5Y 5/1); dry; 5% clay, 90% silt, 5% sand; low plasticity.			
443		P-3B @ 27				@ 26' - moist.			
248						@ 28' - 10% clay, 80% silt, 10% sand.			
216				30		@ 29' - SILT with Sand ; grayish brown (2.5Y 5/2); dry; 5% clay, 70% silt, 25% fine sand; low plasticity.			
77		P-3B @ 31.5				@ 31' - moist; 15% clay, 60% silt, 25% fine to medium sand.	32.0		

WELL LOG (PID) F:\SHELLUG-CHARPS\2406-1240612-SAN LEANDRO 1784-150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09

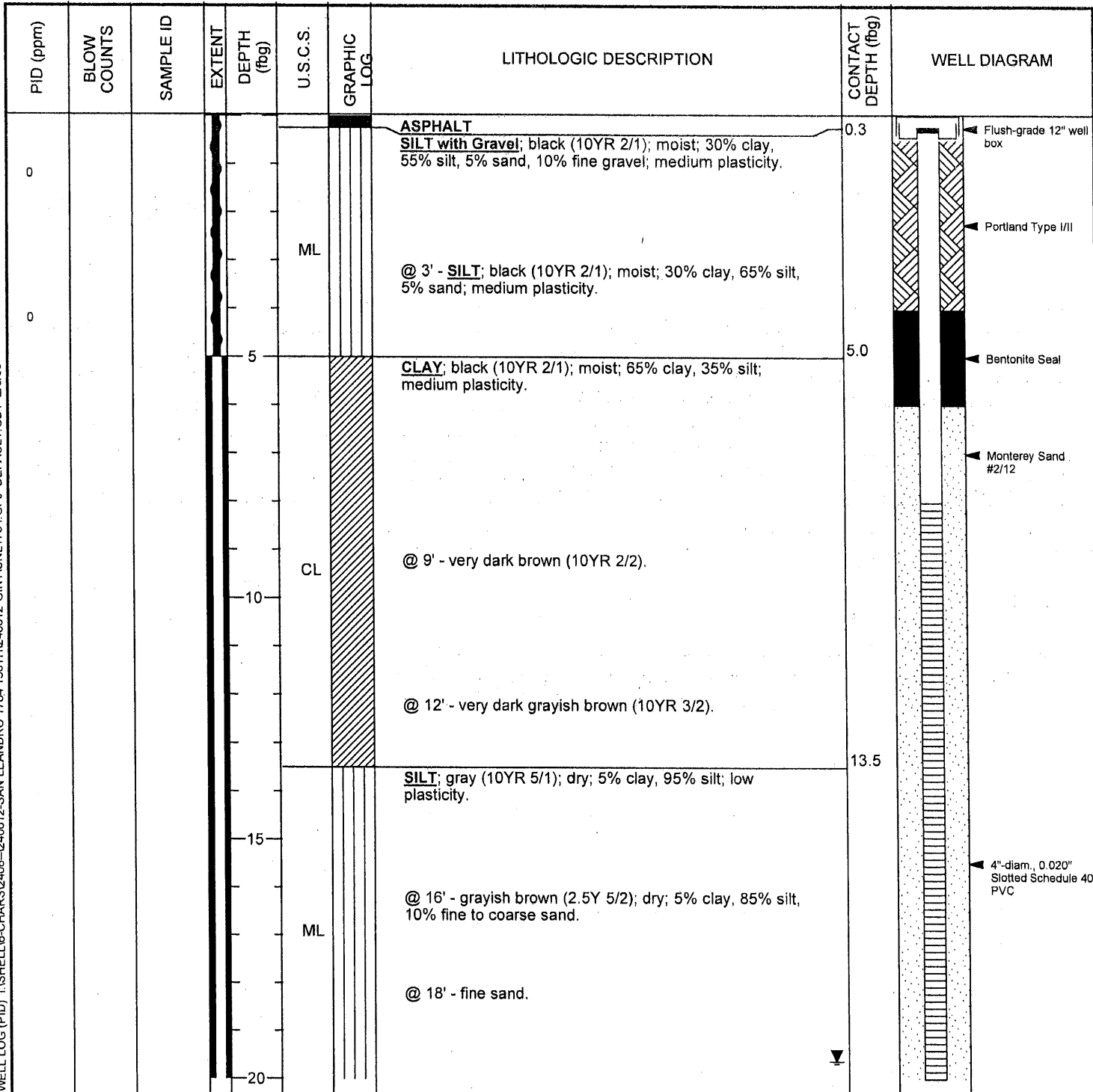


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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-4A
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	27-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	08-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	02-Oct-08 (20 gallons)
DRILLER	Gregg Drilling, C-57 #485165	GROUND SURFACE ELEVATION	45.50 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	45.00 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	8 to 23 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	19.63 fbg (02-Oct-08)
REMARKS	Air knife to 5 fbg		

WELL LOG (PID) I:\SHELL\B-CHARS\2406-1240612-SAN LEANDRO 1784-150TH\240612-GINTS\NL1784.GPJ DEFAULT.GDT 2/6/09



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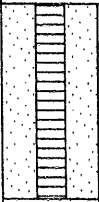


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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-4A
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	27-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	08-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ML		<p>@ 20' - Sandy SILT; dark gray (5Y 4/1); moist; 5% clay, 55% silt, 30% fine sand, 10% fine gravel; low plasticity.</p> <p>@ 22' - 5% clay, 55% silt, 30% fine to coarse sand, 10% fine gravel.</p> <p>@ 22.5' - 5% clay, 50% silt, 35% fine to coarse sand, 10% fine gravel.</p>	23.0	 <p>Bottom of Boring @ 23 fbg</p>

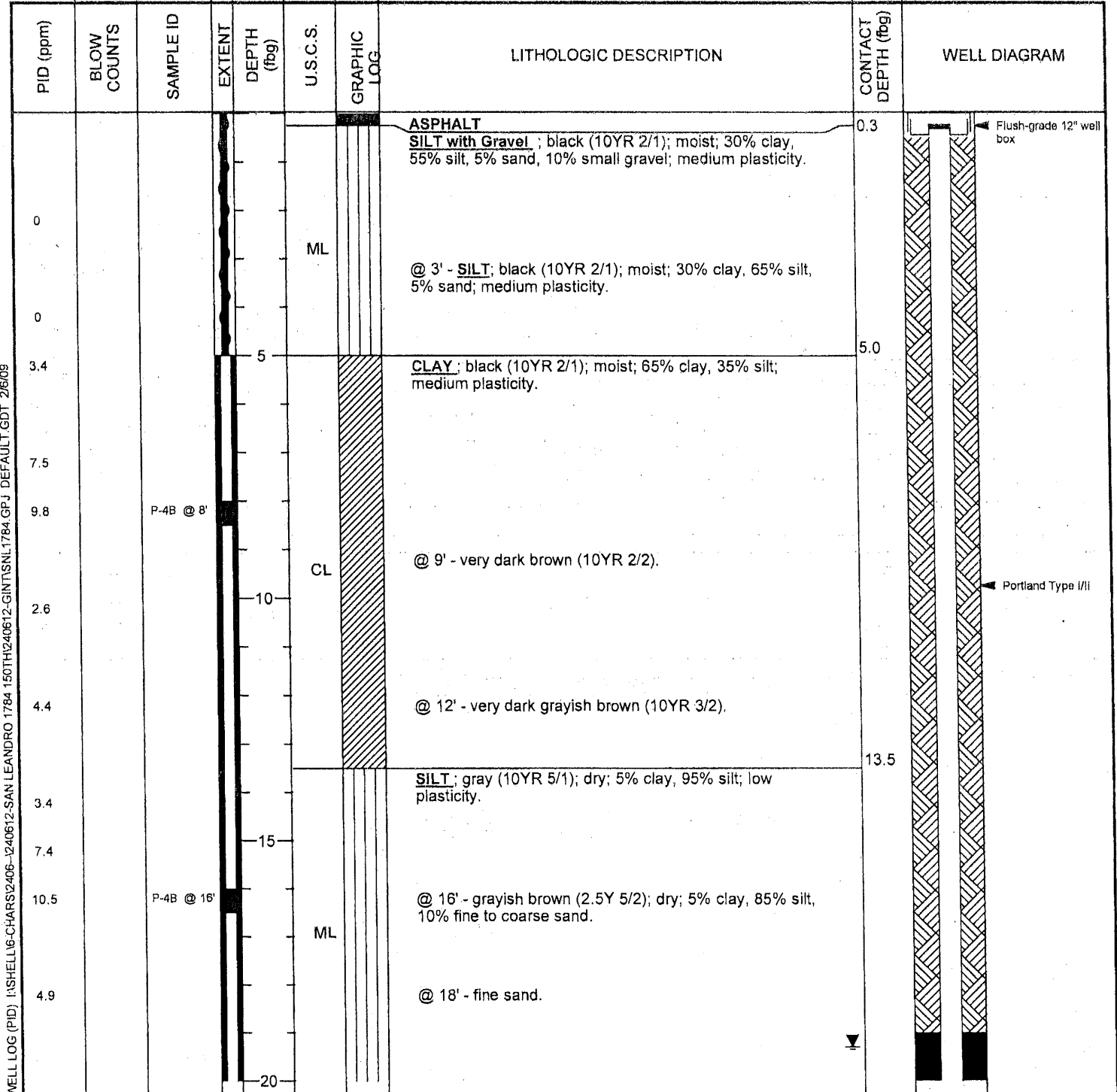
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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-4B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	27-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	05-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	17-Sep-08 (88 gallons)
DRILLER	Gregg Drilling, C-57 #485165	GROUND SURFACE ELEVATION	45.30 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	44.93 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	23 to 33 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	19.30 fbg (15-Sep-08)
REMARKS	Air knife to 5 fbg		



WELL LOG (PID) I:\SHELL\6-CHARS\2406-1240612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	P-4B
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	27-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	05-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
49.3							@ 20' - Sandy SILT ; dark gray (5Y 4/1); moist; 5% clay, 55% silt, 30% fine sand, 10% small gravel; low plasticity.		
342		P-4B @ 22'				@ 22' - 5% clay, 55% silt, 30% fine to coarse sand, 10% small gravel.			
418						@ 23' - 5% clay, 50% silt, 35% fine to coarse sand, 10% small gravel.			
236									
469		P-4B @ 25'		25			@ 25' - SILT ; dark gray (5Y 4/1); dry; 10% clay, 85% silt, 5% sand; low plasticity.		
419					ML		@ 27' - 30% clay, 70% silt.		
329							@ 28' - 20% clay, 80% silt.		
251							@ 30' - SILT with Sand ; olive gray (5Y 5/2); moist; 5% clay, 70% silt, 25% fine to medium sand; low plasticity.		
214									
88		P-4B @ 32.5'						33.0	Bottom of Boring @ 33 fbg

WELL LOG (PID) \\SHELL\6-CHARS\2406-1240612-SAN LEANDRO 1784 150TH\2-0612-GINTSNL1784.GPJ DEFAULT.GDT 2/6/09

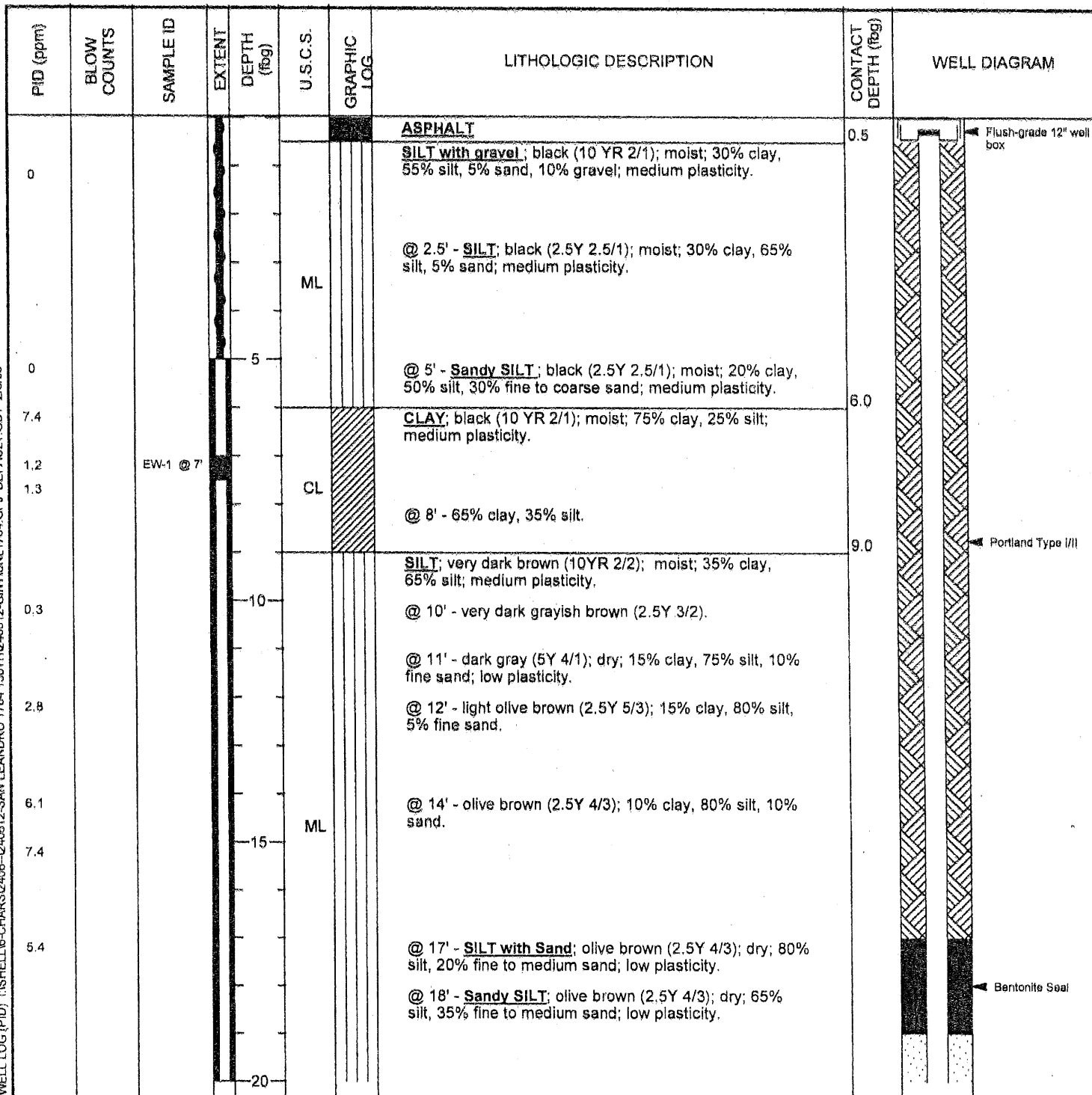


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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	EW-1
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	03-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	15-Sep-08 (75 gallons)
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	48.74 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	48.44 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	21 to 36 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	33.00 fbg (03-Sep-08) ▼
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	23.26 fbg (15-Sep-08) ▼
REMARKS	Air knife to 5 fbg		

WELL LOG (PID) \SHELL\G-CHARS\2406-1240612-SAN LEANDRO 1784_150TH\240612-GINT\SNL1784.GPJ DEFAULT.GDT 2/6/09



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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	EW-1
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	26-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	03-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
2.2		EW-1 @ 20'					@ 20' - SILT with Sand ; pale yellow (2.5Y 5/4); dry; 5% clay, 60% silt, 25% fine to medium sand, 10% fine gravel; low plasticity.		
4.2									
9.7					ML		@ 22' - Sandy SILT ; dark grayish brown (10YR 4/4); moist; 70% silt, 30% fine sand; medium plasticity.		
							@ 24' - SILT with Sand ; dark grayish brown (10YR 4/4); moist; 75% silt, 25% fine sand; medium plasticity.		
72				25					
137					SM		Silty SAND ; olive gray (5Y 4/2); moist; 20% silt, 80% fine to coarse angular sand.	26.0	
							SILT with Sand ; olive gray (5Y 5/2); moist; 80% silt, 20% fine to medium sand; medium plasticity.	26.5	
294							@ 28' - dark yellowish brown (10YR 4/2); dry.		
360		EW-1 @ 30'		30			@ 30' - brown (10 YR 5/3); dry; 5% clay, 85% silt, 15% sand.		
345					ML		@ 31' - dark gray (5Y 4/1).		
							@ 32' - Sandy SILT ; olive gray (5Y 4/2); moist; 65% silt, 35% fine to medium sand; low plasticity.		
276									
83.7		EW-1 @ 35'		35			@ 35' - dark gray (5Y 4/1).		
19.9							@ 35.5' - olive brown (2.5Y 4/3); dry.	36.0	
									Bottom of Boring @ 36 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2406-12\40612-SAN LEANDRO 1784 150TH\240612-GINT\SNL1764.GPJ DEFAULT.GDT 2/6/09

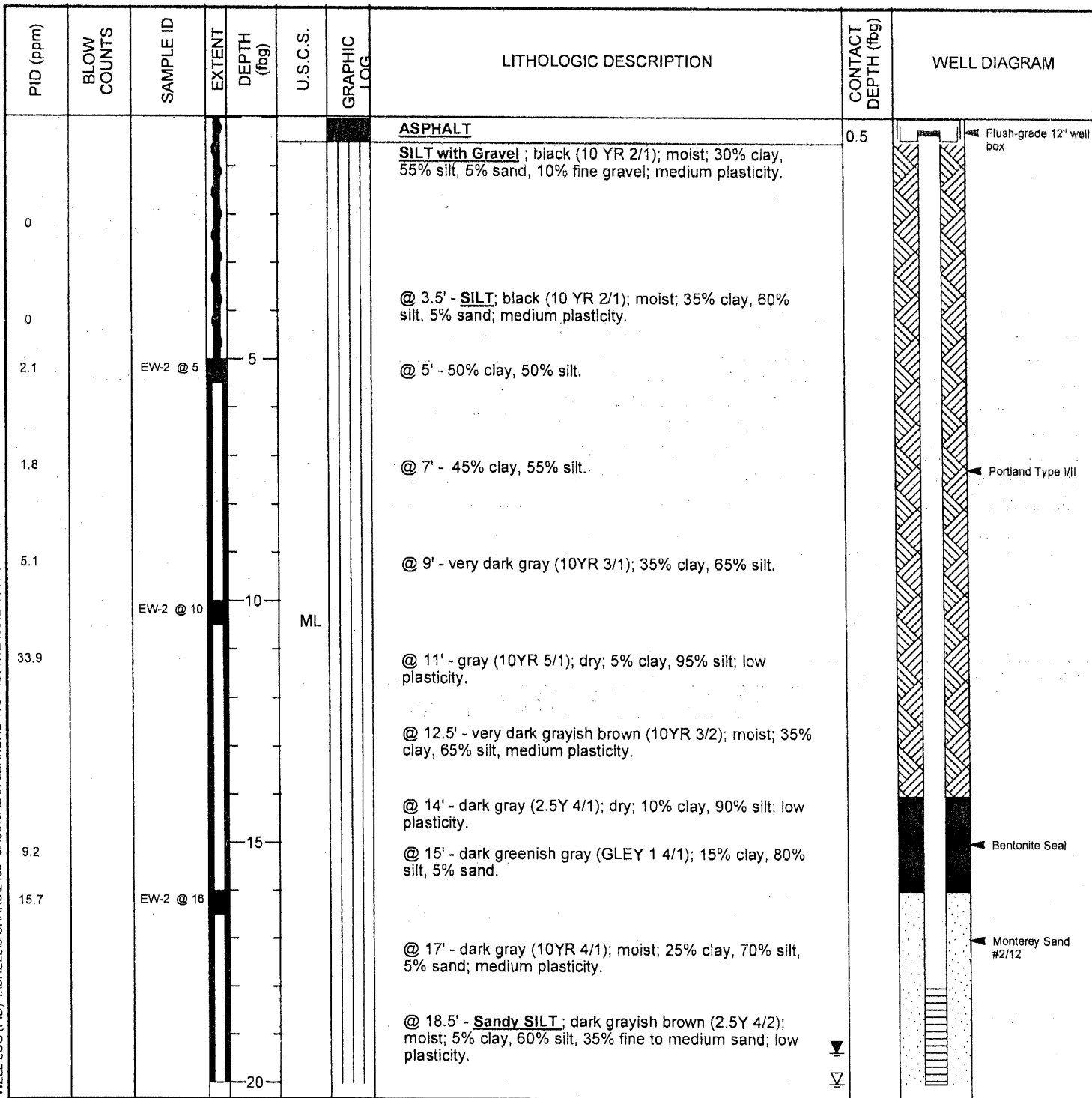


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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	EW-2
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	28-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	04-Sep-08
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	17-Sep-08 (88 gallons)
DRILLER	Gregg Drilling, C-57 #485165	GROUND SURFACE ELEVATION	45.29 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	44.52 ft above msl
BORING DIAMETER	10"	SCREENED INTERVALS	18 to 33 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered)	20.00 fbg (04-Sep-08) ▼
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	19.35 fbg (15-Sep-08) ▼
REMARKS	Air knife to 5 fbg		

WELL LOG (PID) I:\SHELL\US-CHARS\2406-1240612-SAN LEANDRO 1784-150TH\240612-GINTS\NL1784.GPJ DEFAULT.GDT 2/6/09



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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	EW-2
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	28-Aug-08
LOCATION	San Leandro, California	DRILLING COMPLETED	04-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
78.1		EW-2 @ 20			ML			21.0	<p>4"-diam., 0.020" Slotted Schedule 40 PVC</p> <p>Bottom of Boring @ 34 fbg</p>
24.9					SM		@ 21' - Silty SAND ; olive gray (5Y 5/2); wet; 5% clay, 35% silt, 60% angular sand.	23.0	
224					ML		@ 23' - SILT ; olive brown (2.5Y 4/3); moist; 100% silt; low plasticity.	25.0	
225				25	CL		@ 25' - CLAY ; dark gray (5Y 4/1); moist; 65% clay, 35% silt; medium plasticity.	27.0	
357		EW-2 @ 27					SILT ; dark gray (5Y 4/1); moist; 25% clay, 65% silt, 10% fine to medium sand; low plasticity.		
301				30	ML		@ 29' - pale yellow (2.5Y 5/4); dry; 5% clay, 95% silt. @ 30' - olive brown (2.5Y 4/3); 5% clay, 85% silt, 10% fine sand.		
66.5							@ 33' - SILT with Sand ; olive brown (2.5Y 4/4); moist; 5% clay, 80% silt, 15% fine sand; low plasticity.	34.0	
59.3		EW-2 @ 33.5							

WELL LOG (PID) I:\SHELL\6-CHARS\2406-12\40612-SAN LEANDRO 1784 150TH\240612-GINTS\NL1784.GPJ DEFAULT.GDT 2/6/09



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BORING / WELL LOG

CLIENT NAME	Equiva Services LLC	BORING/WELL NAME	SVE-1
JOB/SITE NAME	1784 150th Avenue, San Leandro, California	DRILLING STARTED	01-Oct-10
LOCATION	1784 150th Avenue, San Leandro, California	DRILLING COMPLETED	01-Oct-10
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Airknife	TOP OF CASING ELEVATION	NA
BORING DIAMETER	10"	SCREENED INTERVALS	8 to 23 fbg
LOGGED BY	K. Dupler	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	P. Schaefer	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
0			0.5	SM	ASPHALT Silty SAND with Gravel (SM); reddish brown (5YR 4/4); moist; 15% silt, 55% sand, 30% coarse gravel; non-plastic. @ 2' - 5% silt; 45% sand, 40% gravel.	0.5	Portland Type I/II
			4.0		CLAY (CL) ; black (N 2.5/); moist; 80% clay, 20% silt; medium plasticity.	4.0	Bentonite Seal
0			9.5		@ 9.5' -dark greenish grey (5GY 4/1)		Monterey Sand #2/12
			14.5	GM	@ 14.5' - greenish grey (5GY 5/1)		4"-diam., 0.010" Slotted Schedule 40 PVC
0			23.0			23.0	Bottom of Boring @ 23 fbg

WELL LOG (PID) I:\SHELL16-CHARS\2406-1240612-1244BEB-1240612 GINT (2).GPJ DEFAULT.GDT 12/22/10



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BORING / WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	AS-1
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	01-Mar-10
LOCATION	San Leandro, California	DRILLING COMPLETED	01-Mar-10
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	6"	SCREENED INTERVALS	29 to 31 fbg
LOGGED BY	E Swan	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	P. Schaefer	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
			0.5		▲▲	ASPHALT	0.5	<p>Flush-grade 12" well box</p> <p>Portland Type I/II</p> <p>Bentonite Seal</p> <p>Monterey Sand #2/16</p> <p>2"-diam., Circum Slot Screen Schedule 40 PVC</p> <p>Bottom of Boring @ 31 fbg</p>
			5					
			10					
			15					
			20					
			25					
			30					

WELL LOG (PID) I:\SHELL\B-CHARS\2406-1240612-1244BEB-1240612.GINT (1).GPJ DEFAULT.GDT 12/22/10



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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	SVP-1
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	27-Aug-07
LOCATION	San Leandro, California	DRILLING COMPLETED	28-Aug-07
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	3.5"	SCREENED INTERVAL	4.6 to 4.9 fbg
LOGGED BY	S. Lewis	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	A. Friel, PG 6452	DEPTH TO WATER (Static)	NA

REMARKS

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ASPHAL		ASPHALT	0.7	<p>Bentonite Slurry with Pellet Base</p> <p>1/4" - Diameter Teflon Tubing</p> <p>2/16 Sand</p> <p>3" - length Stainless Steel Screen</p> <p>Bottom of Boring @ 5.2 ft</p>
					SM		Silty SAND with Gravel (SM) ; yellowish brown (10YR 5/4); dry to moist; 15% silt, 65% fine to coarse sand, 20% fine gravel. @ 1' - 15% silt, 70% fine to coarse sand, 15% fine gravel.	2.5	
					ML		SILT (ML) ; very dark gray (10YR 3/1); moist; 30% clay, 70% silt; medium plasticity.	5.2	
0.0		SVP-1-4.5'		5					
				10					

WELL LOG (PID) \\SONOMA-1\SHE\SANLEA-2\GINT\SHL1784.GPJ DEFAULT.CSOT 10/3/07



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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	SVP-2
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	28-Aug-07
LOCATION	San Leandro, California	DRILLING COMPLETED	28-Aug-07
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	3.5"	SCREENED INTERVAL	4.6 to 4.9 fbg
LOGGED BY	S. Lewis	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	A. Friel, PG 6452	DEPTH TO WATER (Static)	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ASPHALT		ASPHALT	0.7	<p>Bentonite Slurry with Pellet Base</p> <p>1/4" - Diameter Teflon Tubing</p> <p>2/16 Sand</p> <p>3" - length Stainless Steel Screen</p> <p>Bottom of Boring @ 5.2 ft</p>
					SM		<p>Silty SAND with Gravel (SM); olive (5Y 4/3); dry to moist; 15% silt, 60% fine to coarse sand, 25% fine gravel.</p> <p>Silty SAND (SM); olive (5Y 4/3); dry; 15% silt, 80% fine to coarse sand, 5% fine gravel.</p>	4.5	
0.0		SVP-2-4.5'		5	ML		<p>SILT (ML); very dark grayish brown (10YR 3/2); moist; 15% clay, 80% fine to coarse sand, 5% fine to coarse sand; low plasticity.</p>	5.2	
				10					

WELL LOG (PID): \SONOMA-1\SHE\SANLEA-2\GINT\SNL1784.GPJ DEFAULT.GDT 10/3/07



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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	SVP-3
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	28-Aug-07
LOCATION	San Leandro, California	DRILLING COMPLETED	28-Aug-07
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	3.5"	SCREENED INTERVAL	4.6 to 4.9 fbg
LOGGED BY	S. Lewis	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	A. Friel, PG 6452	DEPTH TO WATER (Static)	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ASPHAL		ASPHAL	0.7	<p>Bentonite Slurry with Pellet Base</p> <p>1/4" - Diameter Teflon Tubing</p> <p>2/16 Sand</p> <p>3" - length Stainless Steel Screen</p> <p>Bottom of Boring @ 5.2 ft</p>
					ML		SILT (ML); very dark grayish brown (10YR 3/2); moist; 20% clay, 75% silt, 5% fine to coarse sand; low plasticity.	1.0	
					SM		Silty SAND with Gravel (SM); light brownish gray (2.5Y 6/2); dry; 15% silt, 70% fine to coarse sand, 15% fine gravel.		
0.0		SVP-3-4.5'		5				5.0	
				10					

WELL LOG (PID) \SONOMA-1.SHE\SANLEA-2\GINT\SNL1784.GPJ DEFAULT.GDT 10/31/07



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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	SVP-4
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	28-Aug-07
LOCATION	San Leandro, California	DRILLING COMPLETED	28-Aug-07
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	3.5"	SCREENED INTERVAL	4.6 to 4.9 fbg
LOGGED BY	S. Lewis	DEPTH TO WATER (First Encountered)	2.5 ft (28-Aug-07)
REVIEWED BY	A. Friel, PG 6452	DEPTH TO WATER (Static)	NA

REMARKS

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					CONCRETE		CONCRETE	0.5	<p>Bentonite Slurry with Pellet Base</p> <p>1/4" - Diameter Teflon Tubing</p> <p>2/16 Sand</p> <p>3" - length Stainless Steel Screen</p> <p>Bottom of Boring @ 5.4 ft</p>
6.3					SM		Silty SAND with Gravel (SM) ; light olive brown (2.5Y 5/4); dry to moist; 15% silt, 60% fine to coarse sand, 25% fine gravel. @ 1' - moist. @ 2.5' - wet; perched.	3.0	
623		SVP-4-4.5'			ML		SILT (ML) ; very dark grayish brown (10YR 3/2); moist; 25% clay, 70% silt, 5% fine to coarse sand; medium plasticity. @ 4' - dark greenish gray (10Y 4/1).	5.4	
				10					

WELL LOG (PID) \SONOMA-1.SHEISANLEA-2\GINT\SNL1784.GPJ DEFAULT.GDT 10/3/07



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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SVP-4A
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	14-May-12
LOCATION	1784 150th Avenue, San Leandro, California	DRILLING COMPLETED	14-May-12
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor Tech Services	GROUND SURFACE ELEVATION	49.12 ft above msl
DRILLING METHOD	Water-knife	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.5"	SCREENED INTERVAL	2.3 to 2.4 fbg
LOGGED BY	C. Arganbright	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	P. Schaefer PG 5612	DEPTH TO WATER (Static)	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE ; 3.5" of pea gravel		<p> Bentonite Slurry with Pellet Base 1/4" diam. Teflon Tubing Monterey Sand #2/12 1" - Polyethylene Vapor Implant Bottom of Boring @ 2.5 ft </p>
0.7							Sandy SILT (ML) ; dark olive brown (2.5Y 3/3); moist; 70% silt, 20% fine sand, 10% fine gravel.	1.0	
2.1					ML		@ 2'- SILT with Sand (ML) ; very dark gray (2.5Y 3/1) ; 10% clay, 75% silt, 15% fine to coarse sand; low plasticity.	2.5	
				5					
				10					

WELL LOG (PID) C:\DOCUMENTS AND SETTINGS\CARGANBRIGHT\TOP\240612 GINT (1).GPJ DEFAULT.GDT 6/29/12



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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	SVP-5
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	28-Aug-07
LOCATION	San Leandro, California	DRILLING COMPLETED	28-Aug-07
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	3.5"	SCREENED INTERVAL	4.6 to 4.9 fbg
LOGGED BY	S. Lewis	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	A. Friel, PG 6452	DEPTH TO WATER (Static)	NA

REMARKS

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					CONCRETE		CONCRETE	0.5	<p>Bentonite Slurry with Pellet Base</p> <p>1/4" - Diameter Teflon Tubing</p> <p>2/16 Sand</p> <p>3" - length Stainless Steel Screen</p> <p>Bottom of Boring @ 5.2 ft</p>
					SM		Silty SAND with Gravel (SM) ; dark yellowish brown (10YR 3/4); dry to moist; 15% silt, 60% fine to coarse sand, 25% fine gravel.	1.0	
					ML		SILT (ML) ; very dark gray (10YR 3/1); moist; 25% clay, 75% silt; medium plasticity.		
1.4		SVP-5-4.5'		5				5.2	
				10					

WELL LOG (PID) I:\SONOMA-1\SHEISANLEA-2\GINTS\NL1784.GPJ DEFAULT.GDT 10/3/07



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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SVP-5A
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	14-May-12
LOCATION	1784 150th Avenue, San Leandro, California	DRILLING COMPLETED	14-May-12
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor Tech Services	GROUND SURFACE ELEVATION	44.43 ft above msl
DRILLING METHOD	Water-knife	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.5"	SCREENED INTERVAL	2.3 to 2.4 fbg
LOGGED BY	C. Arganbright	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	P. Schaefer PG 5612	DEPTH TO WATER (Static)	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.4							<p>CONCRETE</p> <p>Gravelly SILT with Sand (ML) ; strong brown (7.5YR 4/6) ; moist ; 5% clay, 45% silt, 20% fine to coarse sand, 30% fine to coarse gravel; low plasticity.</p> <p>@ 2' - SILT with Sand (ML) ; very dark gray (2.5Y 3/1) ; moist ; 20% clay, 65% silt, 15% fine to coarse sand; medium plasticity.</p>	0.4	<p>Bentonite Slurry with Pellet Base</p> <p>1/4" diam. Teflon Tubing</p> <p>Monterey Sand #2/12</p> <p>1" - Polyethylene Vapor Implant</p> <p>Bottom of Boring @ 2.5 ft</p>
				5	ML				
				10					

WELL LOG (PID): C:\DOCUMENTS AND SETTINGS\CARGANBRIGHT\DESKTOP\240612 GINT (1).GPJ_DEFAULT.GDT 6/28/12



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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SVP-6
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	01-Oct-10
LOCATION	1784 150th Avenue, San Leandro, California	DRILLING COMPLETED	01-Oct-10
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Airknife	TOP OF CASING ELEVATION	NA
BORING DIAMETER	4"	SCREENED INTERVALS	5 to 5.08 fbg
LOGGED BY	K. Dupler	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	P. Schaefer PG #5612	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
							Grass Silty SAND with Gravel (SM); reddish brown (5YR 4/4); dry; 15% silt, 60% sand, 25% gravel; non-plastic.	0.1	<p>Portland Type I/II</p> <p>Bentonite Seal Monterey Sand #2/12 1/4" diam. screen, High Density Polyethylene Bottom of Boring @ 5.33 fbg</p>
				5	CL		CLAY (CL); dark greenish gray (5GY 4/1); moist; 80% clay, 20% silt; medium plasticity.	5.3	

WELL LOG (PID) I:\SHELL\US-CHARS\2406-1240612-1244BEB-1240612 GINT (2).GPJ DEFAULT.GDT 1/24/11



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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SVP-7
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	01-Oct-10
LOCATION	1784 150th Avenue, San Leandro, California	DRILLING COMPLETED	01-Oct-10
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Airknife	TOP OF CASING ELEVATION	NA
BORING DIAMETER	4"	SCREENED INTERVALS	3.25 to 3.33 fbg
LOGGED BY	K. Dupler	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	P. Schaefer PG #5612	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
				SM		Grass Silty SAND with Gravel (SM); brown (7.5YR 5/3); dry; 15% silt, 50% sand, 35% gravel; non-plastic.	0.1	<p>Portland Type III Bentonite Seal Monterey Sand #2/12 1/4" diam. screen, High Density Polyethylene Bottom of Boring @ 3.6 fbg</p>
				GM		Silty GRAVEL with Sand (GM); brown (7.5YR 4/3); dry; 15% silt, 40% sand, 45% coarse gravel; non-plastic.	2.5 3.6	

WELL LOG (PID) I:\SHELL\LOG-CHARS\2406-1240612-GINT (2).GPJ DEFAULT.GDT 1/24/11



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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SVP-8
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	14-May-12
LOCATION	1784 150th Avenue, San Leandro, California	DRILLING COMPLETED	14-May-12
PROJECT NUMBER	240612	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vapor Tech Services	GROUND SURFACE ELEVATION	43.75 ft above msl
DRILLING METHOD	Water-knife	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	3.5"	SCREENED INTERVAL	2.3 to 2.4 fbg ; 4.8 to 4.9 fbg
LOGGED BY	C. Arganbright	DEPTH TO WATER (First Encountered)	NA ▽
REVIEWED BY	P. Schaefer PG 5612	DEPTH TO WATER (Static)	NA ▼

REMARKS

WELL LOG NESTED (PID) C:\DOCUMENTS AND SETTINGS\CARGANBRIGHT\DESKTOP\240612 GINT (1).GPJ DEFAULT.GDT 6/28/12

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE		
0.4							<p><u>Gravelly SILT with Sand (ML)</u> ; strong brown (7.5YR 4/6) ; moist ; 50% silt, 20% fine to coarse sand, 30% fine gravel.</p> <p>@ 2' - <u>SILT with Gravel (ML)</u> ; very dark gray (7.5YR 3/1) ; moist ; 15% clay, 70% silt, 5% coarse sand, 10% fine gravel; low plasticity.</p>	0.4	<p>Bentonite Slurry with Pellet Base</p> <p>Monterey Sand #2/12 1" - Polyethylene Vapor Implant</p> <p>Bentonite Slurry with Pellet Base</p> <p>Monterey Sand #2/12 1" - Polyethylene Vapor Implant</p> <p>Bottom of Boring @ 5 ft</p>
0.4				5	ML		@ 4.9' - <u>SILT (ML)</u> ; 20% clay, 80% silt; medium plasticity.	5.0	
				10					