CP		Cone & Ass	ESTOGA-RO OCIATES	OVERS	5900 Hollis Emeryville, (Telephone: www.CRAw	California 9 (510) 42	94608
			Ţ	RANS	VITTAL		
DATE:	July 19,	2010		Refer	ENCE NO.:	240504	
				Projec	CT NAME:	1285 Bar	ncroft Avenue, San Leandro
То:	Jerry W	'ickham					RECEIVED
_	Alamed	la Coun	ty Environment	al Health			
	1131 H	arbor Ba	y Parkway, Suit	e 250			11:14 am, Jul 21, 2010
_	Alamed	la, Calif	ornia 94502-6572	7			Alameda County
-		-					Environmental Health
Please find	enclosed	ı:	Draft Originals Prints		Final Other		
Sent via:			Mail Overnight Cour	=	Same Day Cor Other <u>Geo</u>		d Alameda County FTP
QUANT	ГІТҮ				DESCRIPT	ION	
1		Well D	estruction Work	; Plan			
	equested 'our Use			For Review a	nd Comment		
COMMEN If you have (510) 420-3	e any qu	estions	regarding the co	ontents of thi	s document,	please call	l Peter Schaefer at
Copy to:	ז ו	vlike Ba van G. a	own, Shell Oil P kaldin, City of Sa and Joanne Corn Room (electronia	an Leandro, elius, 198 Ju c copy)	835 East 14th ana Avenue,	Street, Sa San Leanc	
Completed	d by: _I	Peter Scl	naefer		Signed:	letur.	Schef
Filing: C	Correspor	ndence F	ile		1		

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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.1.brown@shell.com

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

Re: Shell-branded Service Station 1285 Bancroft Avenue San Leandro, California SAP Code 136017 Incident No. 98996067 ACEH Case No. RO0000156

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,

Denis L. Brown Project Manager



WELL AND SOIL VAPOR PROBE DESTRUCTION WORK PLAN

SHELL-BRANDED SERVICE STATION 1285 BANCROFT AVENUE SAN LEANDRO, CALIFORNIA

 SAP CODE
 136017

 INCIDENT NO.
 98996067

 AGENCY NO.
 RO0000156

Prepared by: Conestoga-Rovers & Associates

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

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

web: http://www.CRAworld.com

JULY 19, 2010 REF. NO. 240504 (12) This report is printed on recycled paper.

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FIGURE 1 VICINITY MAP

FIGURE 2 SITE PLAN

LIST OF APPENDICES

APPENDIX A WELL AND SOIL VAPOR PROBE LOGS

1.0 <u>INTRODUCTION</u>

Conestoga-Rovers & Associates (CRA) prepared this work plan on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell). The proposed well and soil vapor probe destructions are required for final case closure per Alameda County Environmental Health's (ACEH's) June 17, 2010 letter.

The subject site is an active Shell-branded service station located on the northwest corner of the Bancroft Avenue and Estudillo Avenue intersection in a mixed commercial and residential area of San Leandro, California (Figure 1). The site layout (Figure 2) includes one station building with three automobile service bays, two dispenser islands, and three underground storage tanks (USTs).

2.0 WORK TASKS

2.1 <u>PERMITS</u>

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

2.2 <u>HEALTH AND SITE SAFETY PLAN (HASP)</u>

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 <u>UTILITY CLEARANCE</u>

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

2.4 MONITORING WELL AND SOIL VAPOR PROBE DESTRUCTION

CRA proposes to properly destroy twelve monitoring wells (MW-1A, MW-1B, MW-2A, MW-3A, and MW-5 through MW-12) and five soil vapor probes (SVP-1 through SVP-5). The wells will be destroyed by backfilling with neat cement under pressure (pressure

grouting). The well vaults will be removed, and the surface pavement patched with concrete to match the surrounding grade. The soil vapor probes will be destroyed by removing the probe tubing and vaults, and the surface pavement patched with concrete to match the surrounding grade. The CRA includes the well and soil vapor probe logs in Appendix A. The proposed scope of work will be performed under the supervision of a professional geologist or engineer.

2.5 <u>REPORT PREPARATION</u>

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

3.0 <u>SCHEDULE</u>

CRA will implement the well and soil vapor probe destructions upon receipt of appropriate permits and will provide ACEH a report detailing the well and soil vapor probe destructions by September 23, 2010.

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

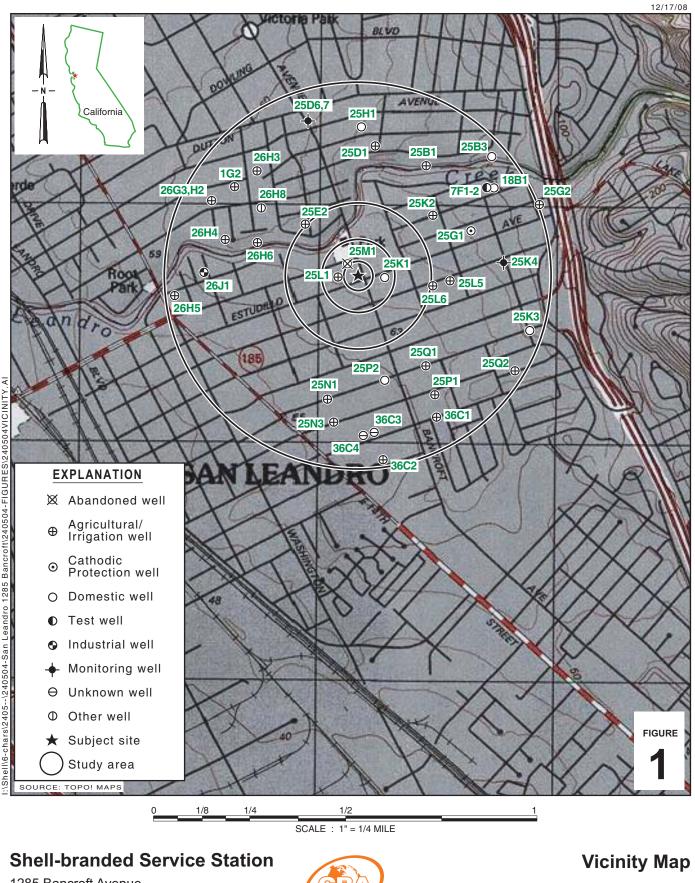
John Schu

Peter Schaefer, CEG, CHG

Anhery K Cool Aubrey K. Cool, PG

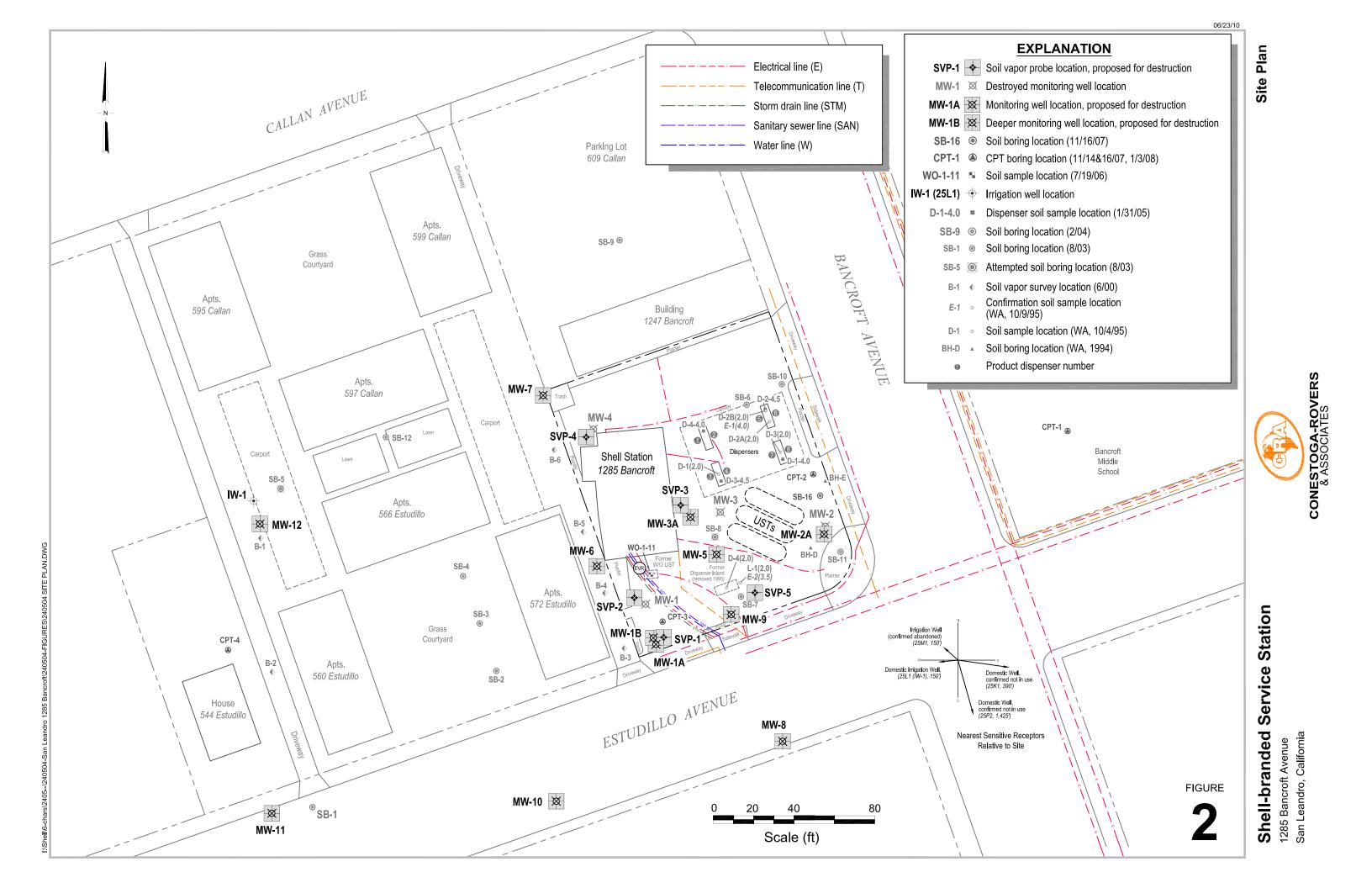


FIGURES



1285 Bancroft Avenue San Leandro, California





APPENDIX A

WELL AND SOIL VAPOR PROBE LOGS

LOCATI PROJEC DRILLE DRILLI	TE NAME ION CT NUMB R NG METH G DIAMET	5 E T F E E R 2 S S S S S S S S S S S S S S S S S S	900 H meryv elepho ax: 5' <u>Shell Oi</u> <u>Shell-br</u> <u>285 Ba</u> <u>40504</u> <u>cest Am</u> <u>tollow-s</u> <u>0"</u> <u>E. Reinl</u> <u>P. Scha</u>	ollis Street rille, CA 9- one: 510 10-420-917 I Products C anded servi- ancroft Aven 008 herica, C-57 stem auger hart-Köylu efer	, Suiti 4608 420-07 70 compa compa compa compa compa	700 ny (US) ion in Leandro, California	BORING/WELL NAME DRILLING STARTED DRILLING COMPLETED WELL DEVELOPMENT D. GROUND SURFACE ELE TOP OF CASING ELEVAT SCREENED INTERVALS DEPTH TO WATER (First DEPTH TO WATER (Stati	MW-1A 08-Dec-08 12-Dec-08 ATE (YIELD) VATION TION Encountered)	NA NA NA 35 to 4	.0 fbg (12-Dec-08)
REMAR (udd) Old	BLOW	SAMPLE ID		e to 5 fbg	GRAPHIC LOG	LITHC	DLOGIC DESCRIPTION		CONTACT DEPTH (fbg)	WELL DIAGRAM
WELL LOG (PID) 1/1SHELLIG-CHARS/2405-/240504-SAN LEANDRO 1285 BANCROFT/240504-PRE-SEPTEMBER 2008/GINT/SNL1285.GPJ DEFAULT.GDT 12/16/08	5 8 12 10 12	MW-1A @ MW-1A (10		5 ML 		80% silt, 20% fine sa	own (7.5YR 3/3); moist, 65		0.5	
WELL LOG (PID) INSHELLIG-CHARS/2405-/240504-SAN LEANDRO 1285 BANCRC 8	10 10 14 16	MW-1A 15		-15		<u>SILT (ML)</u> ; dark bro 65% silt; medium p	own (7.5YR 3/3); moist; 35 ^c lasticity. <i>Continued Next Page</i>	% clay,	_ 15.0	Portland Type I/II

PAGE 1 OF 3

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

1285 Bancroft Avenue, San Leandro, California

ENDER A GET THELL LOG

CLIENT NAME JOB/SITE NAME LOCATION

Shell	Oil	Produ	icts	Cor	npany	(US)
OL 11	1	and an all	1		- 1 - 41	

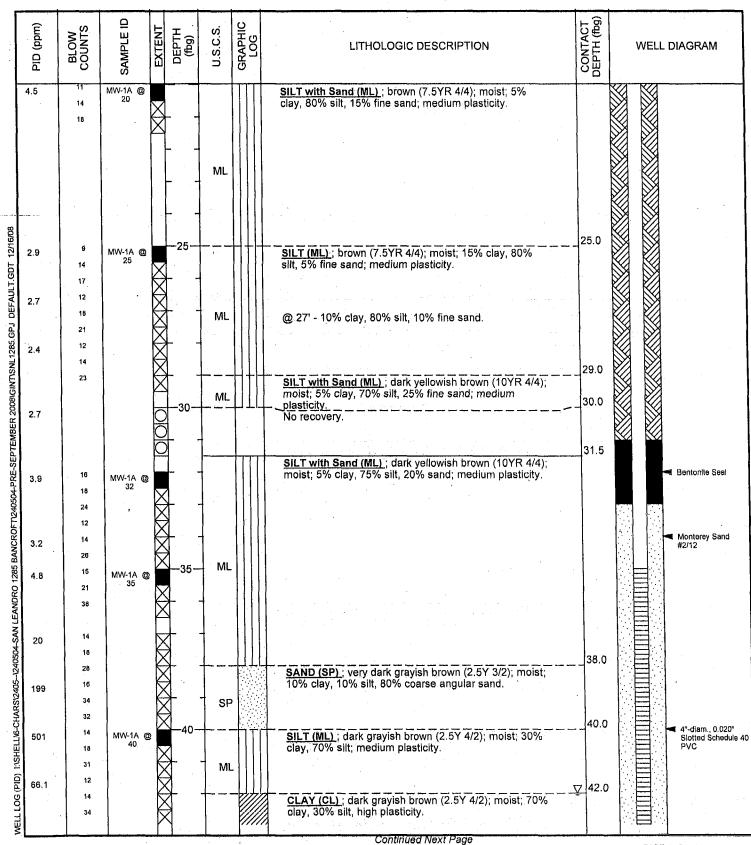
Shell-branded service station

BORING/WELL NAME DRILLING STARTED DRILLING COMPLETED

Continued from Previous Page

MW-1A 08-Dec-08

) 12-Dec-08





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 JOB/SITE NAME LOCATION

Shell Oil Products Company (US)	
Shell-branded service station	

 Shell-branded service station
 DF

 1285 Bancroft Avenue, San Leandro, California
 DF

BORING/WELL NAME DRILLING STARTED DRILLING COMPLETED

Continued from Previous Page

MW-1A 08-Dec-08

D 12-Dec-08

(mqq) OI9	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
68.3	B 14 22	MW-1A 45			CL		@ 44' - 65% clay, 35% silt. -	45.5	
									Bottom of Boring @ 45.5 fbg
					-				
	· · .								

BORING / WELL LOG Cambria Environmental Technology, Inc. 5900 Hollis Street, Suite A Emeryville, CA 94608 Telephone: 510-420-0700 Fax: 510-420-9170 Shell Oil Products Company (US) BORING/WELL NAME MW-1B CLIENT NAME 08-Dec-08 Shell-branded service station **DRILLING STARTED** JOB/SITE NAME 11-Dec-08 DRILLING COMPLETED 1285 Bancroft Avenue, San Leandro, California LOCATION WELL DEVELOPMENT DATE (YIELD) NA PROJECT NUMBER 240504-008 NA Test America, C-57 #819548 GROUND SURFACE ELEVATION DRILLER DRILLING METHOD Hollow-stem auger TOP OF CASING ELEVATION NA 10" 50 to 60 fbg SCREENED INTERVALS BORING DIAMETER Ā LOGGED BY E. Reinhart-Koylu DEPTH TO WATER (First Encountered) 42.0 fbg (11-Dec-08) Ţ **REVIEWED BY** P. Schaefer **DEPTH TO WATER (Static)** NĄ REMARKS Air knifed to 5 fbg L 🙃 Ţ Τ Т 0 Т 0

ASPHALT 0.5 0 SilMitSand (ML): dark brown (7.5YR 3/3); moist; 0.5 0 SilMitSand (ML): dark brown (7.5YR 3/3); moist; 0.5 0 SilMitSand (ML): dark brown (7.5YR 3/3); moist; 0.5 0 SilMitSand (ML): dark brown (7.5YR 3/3); moist; 0.5 1.0 SilMitSand (CL): brown (7.5YR 3/4); moist; 85% 15.0 1.0 I2		(mqq) QIA	BLOW COUNTS	SAMPLE I	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg	WELL DIAGRAM
0 0 3.5 5 12 										1	
0 3.5 4 3.2 4 1.0 12 1.0 12 10 10 10 10 10 10 10 10 10 10	}								80% slit, 20% fine sand; low plasticity.		
3.5 3.5 3.2 3.2 12 - - ML 3.2 12 - - - - - - 1.0 12 - - - - - - 1.0 12 - - - - - - - 1.0 12 -		U.									
3.5 •		0								 	
3.2 8 - ML 1.0 12 - - 1.0 12 - - 20 - - -		3.5			\mathbf{X}	5					
3.2 a 10 10 1.0 12 15 - 1.0 12 - - 1.0 12 - - 1.0 12 - - 1.0 12 - - 1.0 12 - - 1.0 12 - - 1.0 - - - 1.0 - - - 1.0 - - - 1.0 - - - 20 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -			12		Ŕ						
1.0 12 15 CLAY with Sand (CL); brown (7.5YR 4/4); moist; 85% clay, 15% fine sand; medium plasticity. 1.0 12 20 24							ML				
1.0 12 15 CLAY with Sand (CL); brown (7.5YR 4/4); moist; 85% clay, 15% fine sand; medium plasticity. 1.0 12 20 24	L'RE-SEL		-				-				
1.0 12 15 CLAY with Sand (CL); brown (7.5YR 4/4); moist; 85% clay, 15% fine sand; medium plasticity. 1.0 12 20 24	-40004-1	3.2			X	-10-					
1.0 12 15 CLAY with Sand (CL); brown (7.5YR 4/4); moist; 85% 15.0 20 24 CL Clay, 15% fine sand; medium plasticity. 15.0 24 Clay, 15% fine sand; medium plasticity. 20.0 20.0	5		16		Ŕ	× ·					
1.0 12 15 15.0 10 20 15 15.0 20 15 15.0 21 15 15.0 24 15 15.0 24 15 15.0 24 15 15.0 24 15 15.0 24 15 15.0 24 15 15.0 24 15 15.0 24 15 15.0 20 15.0 15.0 20 15.0 15.0 20 15.0 15.0 20 15.0 15.0 20 15.0 15.0 20 15.0 15.0	DR0 1285										
1.0 12 15 15 15.0 20 24 15 15.0 15.0 24 15 15.0 15.0 15.0 24 15 15.0 15.0 15.0 24 15 15.0 15.0 15.0 24 15 15.0 15.0 15.0 24 15 15.0 15.0 15.0 24 15 15.0 15.0 15.0 24 15 15.0 15.0 15.0 24 15 15.0 15.0 15.0 20 15.0 15.0 15.0 15.0 20 15.0 15.0 15.0 15.0 20 15.0 15.0 15.0 15.0 20 15.0 15.0 15.0 15.0 20 15.0 15.0 15.0 15.0 20 15.0 15.0 15.0 15.0 20 15.0 15.0 15.0 15.0 20 15.0 15.0	SAN LEAN					-					
	5-1240504	1.0			X	15-			CLAY with Sand (CL); brown (7.5YR 4/4); moist; 85%	15.0	
	HARSV240				X		-		clay, 13% line sand, medidin plasticity.		
	SHELLIG-C						CL				
	G (PID) IN										
	WELL LO		,			20-	<u> </u>		Continued Next Page	20.0	



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 JOB/SITE NAME LOCATION

Shell Oil Produ	ucts Company (US)	
	service station	

Shell-branded service station	
1285 Bancroft Avenue, San Leandro, Californ	ia

BORING/WELL NAME **DRILLING STARTED** DRILLING COMPLE

MW-1B 08-Dec-08 Dec-08

Т	E	D		1	1	•	Ľ
				_	-		-

					_			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
	1.1	13 24 25	-					<u>SILT (ML)</u> ; brown (7.5YR 4/4); moist; 25% clay, 75% silt; low plasticity.			Portland Type I/II
FAULT.GDT 12/16/08	0	8 11 14	• •	XXX							
MBER 2008/GINT/SNL1285.GPJ DEI	0	10 13				ML		@ 30' - dark yellowish brown (10YR 4/4).			
BANCROFT/240504-PRE-SEPTE		16		X							
405-1240504-SAN LEANDRO 1285	0	60 30 26			- 35 -			@ 35' - 5% clay, 85% silt, 10% fine sand.	· · ·		
WELL LOG (PID) 1:SHELLIG-CHARS/2405-1240504-SAN LEANDRO 1285 BANCROFT/240504-PRE-SEPTEMBER 2008IGINT/SNL1285.GPJ DEFAULT.GDT 12/15/08	8.5 63 U	8 10 12 12 18 21	MW-1B @ 41'		-40-	- - - CL		<u>CLAY (CL);</u> dark greenish gray (10Y 4/1); moist; 90% clay, 10% silt; medium plasticity.	<u> </u>	40.0	



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NET IN ELL LOG

CLIENT NAME JOB/SITE NAME LOCATION

Shell Oil Products Company (U	S)
Shell-branded service station	

Shell-branded service statio 1285 Bancroft Avenue, San Leandro, California BORING/WELL NAME DRILLING STARTED DRILLING COMPLETED

Continued from Previous Page

MW-1B 08-Dec-08

11-Dec-08

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL	DIAGRAM
0	14 19		X				@ 43' - olive brown (2.5Y 4/3).	44.0		· · · · · · · · · · · · · · · · · · ·
	25 10		Ŕ	-45	ML		<u>SILT with Sand (ML)</u> ; brown (10YR 4/3); moist; 80% silt, 20% fine sand; medium plasticity.	_45.0		
0	15		X		ML		SILT (ML); dark yellowish brown (10YR 4/4); moist; 20% clay, 70% silt, 10% fine sand; low plasticity.	46.0		
. 0	16		Ř		ML		<u>SILT with Sand (ML)</u> ; brown (7.5YR 4/3); moist; 75% silt, 25% coarse angular sand; low plasticity.	47.0		Bentonite Seal
0	18 26		Ř				CLAY (CL) ; brown (7.5YR 4/3); moist; 80% clay, 20% silt; medium plasticity.			Bornorino Godi
	20 25	MW-1B @ 48'	X							Montoray Soud
	39		K	-50-	CL					Monterey Sand #2/12
0	18 20		X					51,0		
	36 14						SAND (SW); dark yellowish brown (10YR 4/4); wet; 5% clay, 90% fine to coarse sand, 5% small gravel.			
2.3	26 35		X]					
20.3	17 34	MW-1B @ 53'	X		1 sw					
	35		X					55.0		
12.1	15 18		X	55	SМ		Silty SAND (SM) ; dark yellowish brown (10YR 4/4); 20% silt, 75% fine to coarse sand, 5% small gravel.	56.0		 4"-diam., 0.020" Slotted Schedule 40 PVC
	22 15		X		SW SM		SAND with Silt (SW-SM); dark yellowish brown (10YR 4/4); wet; 10% silt, 85% fine to medium sand, 5% small rounded gravel.	57.0		
	18 22		0 C				No recovery.	58.0		
0 2.3 20.3 12.1 5.4	17 19				SW SM		SAND with Silt (SW-SM) ; dark yellowish brown (10YR 4/4); wet; 10% silt, 85% fine to medium sand, 5% small rounded gravel.			
5.4	25	MW-1B @ 60'		-60-				60.5		Detterre of De de
										Bottom of Borin @ 60.5 fbg
							and a second second Second second			
עברראי										
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	Ce	BA		5900 Emer Telep	oria Er Hollis yville, ohone: 510-4	Stree CA 9 510-	t, Suit 4608 420-0			בי'שי דג. 2	.N. GP.	/ ¥¥ =	L _ LO(G
С	LIENT I	NAME	-	Shell	Oil Pro	ducts (Compa	iny (US)	BORING/WELL NAME	MW-2A				·
J	OB/SITI	E NAME			brande				DRILLING STARTED	09-Dec-08				
	OCATIO					<u>ft Aver</u>	nue, Sa	an Leandro, California	DRILLING COMPLETED	13-Dec-08				
		TNUMB	ER _		04-008 America	0 57	4940	E 4 0	WELL DEVELOPMENT DA		NA NA	·····		
		G METH	- חח		w-stem			040	GROUND SURFACE ELEV TOP OF CASING ELEVAT		NA			
		DIAMET		10"	<u>N-5(0111</u>	uugoi			SCREENED INTERVALS	-	35 to 4	15 fbg		
	OGGEL				inhart-l	Koylu	· · ·		DEPTH TO WATER (First	– Encountered)		0 fbg (13-	Dec-08)	Ţ
R	EVIEW	ED BY		P. Sc	haefer				DEPTH TO WATER (Static	;)	<u>NA</u>		. <u> </u>	<u> </u>
R	EMAR	(S	·	Air kr	nifed to	5 fbg						 .		
	(mqq) OI4	BLOW	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHC	DLOGIC DESCRIPTION		CONTACT DEPTH (fbg)	WE	LL DIAGRAM	
						· ·		ASPHALT			0.5		Ŋ	
ł								SILT with Sand (ML)	; dark brown (7.5YR 3/3); n	noist;				
2								80% silt, 20% fine sa	and, low plasticity.		1			
	88												Å	
5						ML						S I		
2													· ·	
								an an taon an	an a	×				
2 2												Š Š		
5	0.0	5 ्			- 5		┢┥┿┝	Sandy SILT (ML) ; d	ark brown (7.5YR 3/3); mois	st: 60%	5.0			
		8.		Ŕ	1. F			silt, 40% fine sand; 1	low plasticity.				2	
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4050		18		-	-15-	ļ. 	╼┟┊╎┊╎				_ 15.0			
50	0.2	27		K	k .	-		SILT with Sand (MI 15% clay, 60% silt,	 <u>)</u>; dark brown (7.5YR 3/3); 25% fine sand; medium pla 	indist; isticity.			Portland Ty	/De 1/1
WELL LOG (PID) I:\SHELL\6-CHARS\2405-\240504-SAN		34		Ŕ	+	1			andra an					
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PAGE 1 OF 3



Cambria invironmental econology, ed. 5900 Hollis Street, Suite A Emeryville, CA 94608 Telephone: 510-420-0700 Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME JOB/SITE NAME LOCATION

1	
Shell Oil Products Company (US)	
Shell-branded service station	
1285 Bancroft Avenue, San Leandro, Califo	ornia

BORING/WELL NAME DRILLING STARTED DRILLING COMPLE

Continued from Previous Page

MW-2A 09-Dec-08 Dec-08

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PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.0	15 17 18						@ 20' - dark brown (7.5YR 3/4); 75% silt, 25% fine sand.		
0.5	9 12 15		XXX		ML		@ 25' - very dark grayish brown (2.5Y 3/2); 80% silt, 20% fine sand.		
0 C.	12 12 15 15						 @ 27.5' - dark greenish gray (10Y 4/1); 75% silt, 15% fine sand, 10% fine gravel. @ 29' - wet; 80% silt, 20% fine sand; low plasticity. 		
2.0G (PID) 11SHELLIG-CHARS/2405-1240504-SAN LEANDRO 1285 BANCROFT/240504-PRE-SEPTEMBER 2008/GINTSNL11285-GPU UEFAULTIOUT 1215040 5''O 0'' 2''O 0'' 0'' 0'' 0'' 0'' 0''' 0''' 0''' 0''' 0''' 0'''' 0'''' 0'''' 0'''' 0'''' 0'''' 0'''' 0'''' 0'''' 0'''' 0'''' 0'''' 0''''' 0''''' 0''''' 0''''' 0''''' 0''''' 0''''' 0'''''' 0'''''' 0'''''' 0''''''' 0'''''''''''' 0''''''''''''''''''''''''''''''''''''	25 32 19 28			-30-			@ 30' - brown (10YR 4/3); medium plasticity. @ 31' - gray and brown mottles.		Bentonite Seal
IANCR0FT/240504-PR6	30 21 29 30						@ 33' - very dark grayish brown (2.5Y 3/2); moist.		Monterey Sand #2/12
-SAN LEANDRO 1285 E	24 30 35 18			35- 			@ 35' - gray and brown mottles; 15% clay, 65% silt, 20% fine sand.		
CHARS/2405/240504	26 30 15 28				GN		Silty GRAVEL (GM); very dark grayish brown (2.5Y 3/2); wet; 35% silt, 10% fine to coarse sand, 55% gravel. SAND (SW); olive brown (2.5Y 4/3); wet; 5% silt, 95% fine to coarse sand.	<u>⊽</u> 38.0 39.0	
88 B101 IVSHEITVE-	34 14 21 30			-40-	sv sv	v	SAND with Gravel (SW) ; olive brown (2.5Y 4/3); wet; 70% fine to coarse sand, 30% gravel.	41.5	
, 1							Sandy SILT (ML); gray and brown mottles; wet; 65% Continued Next Page	<u> </u> .	PAGE 2 OF 3



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

UTEN DU IN ELL LOG 2)

CLIENT NAME JOB/SITE NAME LOCATION

Shell Oil Products Company (US)
Shell-branded service station
1285 Bancroft Avenue, San Leandro, California

BORING/WELL NAME DRILLING STARTED DRILLING COMPLETED

MW-2A 09-Dec-08

13-Dec-08

	•		<u>. </u>				Continued from Previous Page		•
(mqq) Olq	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG		CONTACT DEPTH (fbg)	WELL DIAGRAM
224 24.4	9 10 14 8 9 9		XXXXXX				silt, 35% fine grained sand; low plasticity.	46.0	
									Bottom of Boring @ 46 fbg
				-					
WELL LOG (PID) ESHELLB-CHARSIZAUS-ZAUSU4-SAN LEANUKU									
(PID) LYSHELLVG-CHARSY									
WELL LOG									

PAGE 3 OF 3

BORING / WELL LOG Cambria Environmental Technology, Inc. 5900 Hollis Street, Suite A Emeryville, CA 94608 Telephone: 510-420-0700 Fax: 510-420-9170 MW-3A CLIENT NAME Shell Oil Products Company (US) BORING/WELL NAME 09-Dec-08 JOB/SITE NAME Shell-branded service station **DRILLING STARTED** DRILLING COMPLETED 12-Dec-08 1285 Bancroft Avenue, San Leandro, California LOCATION **PROJECT NUMBER** 240504-008 WELL DEVELOPMENT DATE (YIELD) NA NA Test America, C-57 #819548 DRILLER **GROUND SURFACE ELEVATION** TOP OF CASING ELEVATION NA **DRILLING METHOD** Hollow-stem auger 35 to 45 fbg **BORING DIAMETER** 10" SCREENED INTERVALS 40.0 fbg (12-Dec-08) LOGGED BY E. Reinhart-Koylu **DEPTH TO WATER (First Encountered)** Y. P. Schaefer NA **REVIEWED BY DEPTH TO WATER (Static)** REMARKS Air knifed to 5 fbg CONTACT DEPTH (fbg) Q PID (ppm) BLOW GRAPHIC Ś SAMPLE DEPTH EXTENT L0G (fbg) U.S.C. LITHOLOGIC DESCRIPTION WELL DIAGRAM CONCRETE 4 0.5 Sandy SILT (ML); dark brown (7.5YR 3/2); moist; 70% silt, 30% fine sand; low plasticity. SILT with Sand (ML); dark brown (7.5YR 3/2); moist; 80% silt, 20% fine sand; low plasticity. 1.0 WELL LOG (PID) 1:1SHELLIG-CHARS/2405-1240504-SAN LEANDRO 1285 BANCROFT/240504-PRE-SEPTEMBER 2008/GINT/SNL1285.GPJ DEFAULT.GDT 12/18/08 ML 0 5.0 5 2.7 MW-3A @ 8 SILT (ML); dark brown (7.5YR 3/2); moist; 90% silt, 10% fine sand; low plasticity. 8 18 10 10 MW-3A @ 10 2.4 14 20 ML 15 19 MW-3A @ 2.7 @ 15' - 10% clay, 80% silt, 10% fine sand. 35 Portland Type I/II 36 20.0 20 Continued Next Page

PAGE 1 OF 3

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

BORING / WELL LOG

CLIENT NAME JOB/SITE NAME LOCATION

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Shell Oil Products Company (US)
Shell-branded service station
1285 Bancroft Avenue, San Leandro, California

BORING/WELL NAME DRILLING STARTED DRILLING COMPLETED

MW-3A 09-Dec-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
	1.4	20 25 28	MW-3A @ 20	XX				<u>SILT with Sand (ML)</u> ; brown (7.5YR 4/3); moist; 80% silt, 20% fine sand; low plasticity.		
2/18/08			MM/20.00			ML			25.0	
ULT.GDT	2.7 3.5	13 15	MW-3A @ 25			ML		SILT (ML); brown (7.5YR 4/3); moist; 90% silt, 10% fine sand; low plasticity.	27.0	
SINI VSNL 1285.GF	4.4	19 17 19 26				ML		<u>SILT with Sand (ML)</u> ; brown (7.5YR 4/3); moist; 80% silt, 20% fine to medium sand; low plasticity.		
SEPTEMBER 2008/	4.7 2.7	19 18 24 17	MW-3A @ 30		<u>-</u> 30			<u>Sandy SILT (ML)</u> ; brown (7.5YR 4/4); moist; 55% silt, 45% fine sand; low plasticity.	30.0	
OF 1\240504-PRE-		32 50 for 4" 13 26						@ 32' - 65% silt, 35% fine sand.	34.0	Bentonite Seal
NDRO 1285 BANCR	8.1	32 11 19 23	MW-3A @ 35					<u>SILT with Sand (ML)</u> ; brown (10YR 4/3); 85% silt, 15% fine sand; low plasticity.		Monterey Sand #2/12
0504-SAN LEAR	192	20 32 50				ML		@ 36' - very dark grayish brown (2.5Y 3/2); 80% silt, 20% fine to medium sand.		
CHARS/2405-24	596	21 22 50	MW-3A @ 38	XX					40.0	
(PID) I:VSHELLV64	274 121	16 15 30 17	MW-3A @ 40	XIXIX	40 	 , <u>-</u> − 		<u>SILT (ML)</u> ; olive brown (2.5Y 4/3); moist; 10% clay, 90% silt; medium plasticity.		 4"-dlam., 0.020" Slotted Schedule 40 PVC
WELL LOG	121	23 35		X		 		@ 42' - 30% clay, 70% silt. Continueo Next Page		PAGE 2 OF 3

PAGE 2 OF 3

AND DESCRIPTION OF THE OWNER.
1 1848
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CARLAN
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A CONTRACTOR OF

CLIENT NAME JOB/SITE NAME LOCATION

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Shell Oil Products Company (US)
Shell-branded service station
1285 Bancroft Avenue, San Leandro, California

BORING/WELL NAME DRILLING STARTED DRILLING COMPLETED

1

MW-3A 09-Dec-08

D 12-Dec-08

PID (ppm)	BLOW	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
41 24	16 18 20	MW-3A @ 45		 45	ML.			45.5	Bottom of Boring @ 45.5 fbg
								• •	
	-					·			



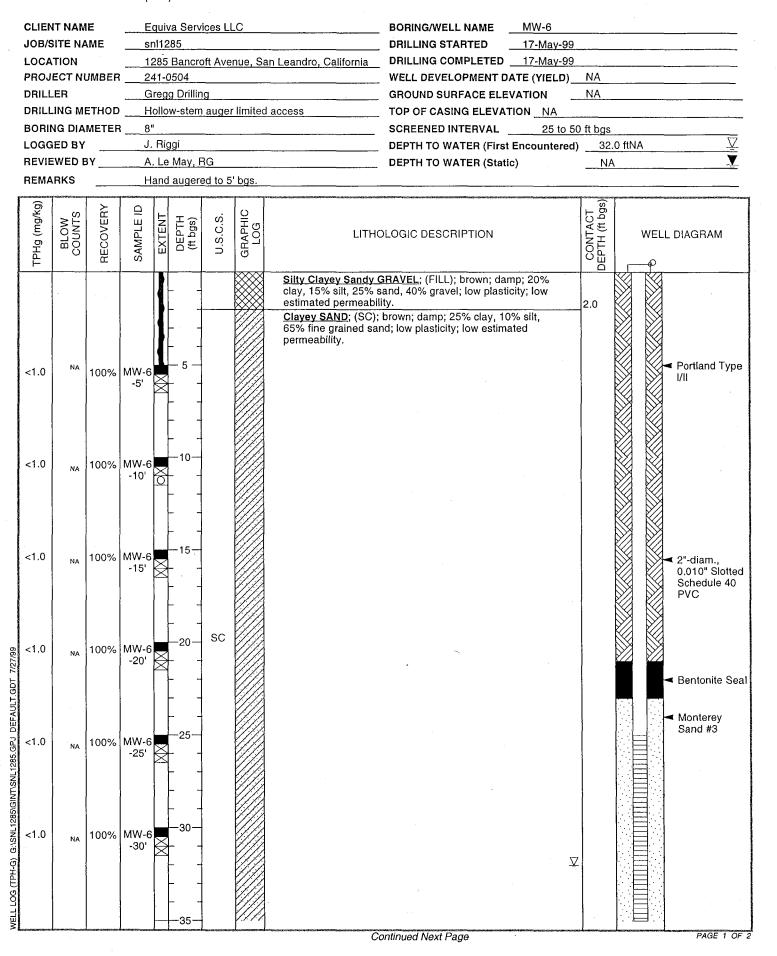
BORING/WELL LOG

	NT NAM			quiv nl12	va Serv 85	ices Ll	_C		BORING/WELL NAME	MW-5 18-May-99		
LOCA	TION	-	1:	285	Bancro	oft Ave	nue, Sa	an Leandro, California	DRILLING COMPLETED	18-May-99		
PROJ	ECT NU	JMBER	24	41-0	0504				WELL DEVELOPMENT D	ATE (YIELD)	NA	······································
DRIL	ER		G	ireg	g Drillin	Ig			GROUND SURFACE ELE	VATION	NA	
DRILI	ING MI	ETHOD	<u> </u>	ollo	w-stem	auger			TOP OF CASING ELEVAT	TION <u>NA</u>		·
BORI	NG DIA	METEF	R6'	"/10					SCREENED INTERVAL	25 to 50	ft bgs	
LOGO	GED BY	<u> </u>	J.	. Riç	ggi				DEPTH TO WATER (First	Encountered)	33	.0 ft (18-May-99) 💆
REVI	EWED E	3Y	A	. Le	May, F	RG			DEPTH TO WATER (Stati	c)	33	.30ft (18-May-99) 🛛 💆
REMA	RKS		H	and	auger	ed to 5	' bgs; l	ocated 9' SW of SW UST	Slab corner.			
	-		***********				[]	Xadala dela meningan pangangan pengangan pengangan pengangan pengangan pengangan pengangan pengan pengan pengan	***		ŝ	**************************************
TPHg (mg/kg)	≥⊬	RECOVERY	SAMPLE ID	F	Ηŵ	က်	GRAPHIC LOG				CONTACT JEPTH (ft bgs)	
ш 	BLOW COUNTS	N N	ЪГ	EXTENT	DEPTH (ft bgs)	U.S.C.S.	4PO 4PO	LITHO	LOGIC DESCRIPTION		H H	WELL DIAGRAM
БНс	B S B	ЦС	AN SAN	ΙЩ	₿Ę	Ŭ.	L G				δĒ.	
Ë.		<u>п</u>										
								35% sand, 40% grav	_; (FILL); dry; 10% clay, 15% /el; no plasticity; high estima	% silt, ated		
						-	M	permeability. Clavey SILT: (ML): b	rown; stiff; damp; 30% clay	60%	2.0	
								silt, 10% fine grained	i sand; low plasticity; low es	stimated		
								permeability.				
	10		<i>.</i> _		— 5 —				·			Portland Type
<1.0	10 3	100%	MW-5 -5'	\bowtie								
	3			\bowtie								
								··-				
<1.0	5	100%	MW-5					@ 10' - very stiff.				
	5 13	10070	-10'	\boxtimes				· · · · · · · · · ·				
						ML						
				·		-iviL						
	[- ·		_							
<1.0	10 16	100%	MW-5		-15-			@ 15' - hard.				4" diam.,
	20		-15'									Schedule 40 PVC
	9				-20-							
og <1.0	11	100%	MW-5	\cong				@ 15' - very stiff.				
7/2	10			X								 Bentonite Seal
GDT						— —	++ +	Sandy Clayov SILT	(ML); brown; stiff; damp; 30		22.5	- Demonite Sear
ULT			[45% silt, 25% fine gr	ained sand; low plasticity; l	OW		
)EFA								estimated permeabil	ity.			Monterey Sand #3
a a <1.0	5	100%	MW-5		—25—	ML					1	Sanu #3
85.G	5		-25'	\bowtie								
IL 128					Ļ	l					27.5	
NSI					L -		1/7		brown; medium dense; dar		-/.5	
VEIN					L -			clay, 10% silt, 60% f	ine grained sand; low plasti			
1285					00			estimated permeabil	ity.			
า <mark>ชี</mark> <1.0	4	100%	MW-5	× ×								
 G	7		-30'	\boxtimes		t						
H-G						sc				_		
E C		l					UH)			¥		
WELL LOG (TPH-G) GASNL1285/GINT/SNL1285.GPJ DEFAULT.GDT 7/27/99 0.1^ 0.1^			1			ł						
VELL					-35-		<i>[]]]</i>]					
> i			at					L. C.	ontinued Next Page			PAGE 1 OF 2

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	NT NAM SITE NA		s	nl12				DRILL	IG/WELL NAME	MW-5 18-May-99 18-May-99		: 	
			!					Continued from Previo	-				
TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC	DESCRIPTION		CONTACT DEPTH (ft bgs)	WEL	L DIAGRAM
1.91 10.5	15 21 15 6 8 11	100%	MW-5 -35' MW-5 -40'	Ŷ		 GW		@ 35' - dense; wet. <u>Sandy GRAVEL</u> ; (GW); grey wet; 10% silt, 30% sand, 60° gravel; no plasticity; high est Silty Gravelly Clavey SAND:	% fine to coarse gra imated permeability	ined	37.5		 4"-diam., 0.010" Slotted Schedule 40 PVC
6.67	19 28 45	100%	MW-5 -45'	×	 - 45 - 50-	SC		Silty Gravelly Clayey SAND; wet; 25% clay, 15% silt, 45% gravel; low plasticity; low est	, fine grained sand, imated permeability	15%	50.0		Bottom of Boring @ 50 ft
85.GPJ DEFAULT.GDT 7/27/99													
WELL LOG (TPH-G) G'ISNL1285/GINT/SNL1285 GPJ DEFAULT GDT 7/27/99													





WELL LOG (TPH-G) G'ISNL1285/GINTSNL1285 GPJ DEFAULT.GDT 7/27/99

	IT NAM SITE NA		S	nl12	85	oft Aver		an Leandro, California	BORING/WELL NAME MW-6 DRILLING STARTED 17-May-99 mia DRILLING COMPLETED 17-May-99				
									n Previous Page				·
TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	· LITHO	LOGIC DESCRIPTION		CONTACT DEPTH (ft bgs)	WEL	L DIAGRAM
273 96.1	NA	100%	MW-6 -35' MW-6 -40'	Ŷ	 - 40	GC		<u>Clayey Sandy GRAVI</u> 10% silt, 30% sand, 5 low plasticity; high es	EL; (GC); brown; wet; 20% 0% fine to coarse grained timated permeability.	clay, gravel;	37.5		 2"-diam., 0.010" Slotted Schedule 40 PVC
1.83	NA	100%	MW-6 -45'	Å	 - 45 	sc		Clayey SAND; (SC); t 60% fine grained san permeability.	prown; wet; 30% clay, 10% d; low plasticity; low estima	silt, ted	42.5		
											50.0		Bottom of Boring @ 50 ft



BORING/WELL LOG

					<u>a Serv</u>	ices Ll	<u>_C</u>			MW-7		
		ME		nl12 005						<u>17-May-99</u>		<u> </u>
LOCA	IECT N	IMREC			<u>Bancro</u> 0504	oft Ave	nue, Sa	n Leandro, California	DRILLING COMPLETED		NA	<u> </u>
DRILI					g Drillin				GROUND SURFACE ELEV		NA NA	
	LING M	ЕТНОВ					· limited	access	TOP OF CASING ELEVAT			
					W Storn				SCREENED INTERVAL) ft bae	<u></u>
	GED BY			. Riç	 aai				DEPTH TO WATER (First			5.6 ft (17-May-99) ⊻
	EWED				May, F			· · · · · · · · · · · · · · · · · · ·	DEPTH TO WATER (Statio			2.90ft (17-May-99)
REM/							' basi la	cated in driveway behin	d Shell on property line.	-,		<u></u>
					augun		1.090,10				mprosi i subini jugi je bila	
TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHC	DLOGIC DESCRIPTION		CONTACT DEPTH (ft bgs)	
				ł				Sandy Clayey GRAV 10% silt, 20% sand, estimated permeabil	' <u>EL;</u> (FILL); brown; dry; 20% 50% gravel; low plasticity; lo	o clay, ow	2.0	
								Clayey SAND; (SC);	brown; damp; 30% clay, 10 nd; low plasticity; low estima	% silt,	1	
1						SC		permeability.	iu, iow plasticity, iow estima	lieu		
				1							5.0	
<1.0	NA	100%	MW-7 -5'		- 5 -			Clayey SILT; (ML); b	rown; damp; 30% clay, 60% nd; low plasticity; low estima	ő silt,		Portland Type
			-5	\bowtie		ML		permeability.	iu, low plasticity, low estima	lieu		
								Silty Clayov SAND: ((SC); brown; damp; 30% cla	<u> </u>	7.5	
								silt, 50% fine grained	d sand; low plasticity; low es	stimated		
								permeability.				
<1.0	NA	100%	MW-7		-10-	SC						
			-10'	\boxtimes								
							$\Box A$				12.5	
								<u>Clayey SILT;</u> (ML); b 20% fine grained sar	rown; damp; 30% clay, 50% nd; low plasticity; low estima	6 silt, ated		
								permeability.			i i	
<1.0	NA	100%	MW-7									2" diam.,
	NA		-15'	\bigotimes								Schedule 40
						MI						PVC
						ML						
					20							
66 <1.0	NA	100%	MW-7 -20'	\bowtie		-						
1/2 1/2				P								✓ Bentonite Seal
GD.					_ 1			Silty Clayey SAND; ((SC); brown; damp; 35% cla	av. 25%	22.5	- Bonnonino Cour
AUL								silt, 40% fine grained	d sand; low plasticity; low es	stimated		Monterey
					-25			permeability.				Sand #3
ਫ਼ੂ <1.0	NA	100%	MW-7	×	-20-							
1285.			-25'	X								
SNL	l						V/A					
L N												
285\(VIA					
21.0	NA	100%	MW-7			SC						
25 10			-30'	Ø								
Ê H										_		
E									• •	Ţ	-	
ŏ									,			
WELL LOG (TPH-G) GASNL1285/GINT/SNL1285.GPJ DEFAULT.GDT 7/2799 0 0 0							111					
> K								C/	ontinued Next Page		- L	PAGE 1 OF 2

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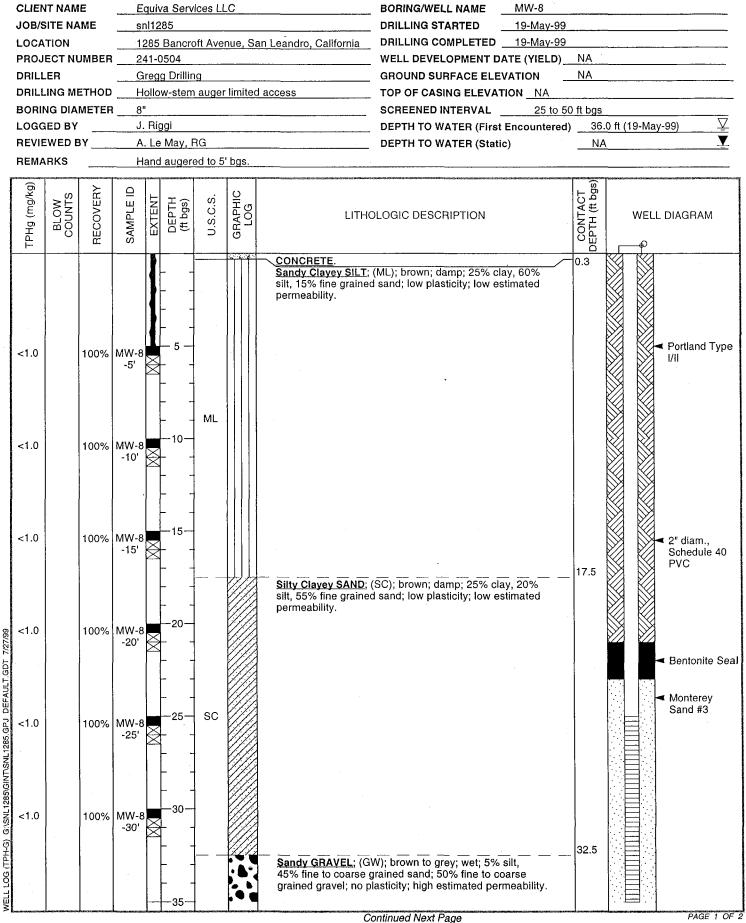
WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

BORING/WELL LOG

	SITE NA							BORING/WELL NAME MW-7 DRILLING STARTED <u>17-May-99</u> DRILLING COMPLETED <u>17-May-99</u> Continued from Previous Page			
TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WEL	L DIAGRAM
<1.0	NA	100%	MW-7 -35' MW-7 -40'	\otimes		sc		∑ <u>Clayey SAND;</u> (SC); brown; wet; 30% clay, 10 % silt, 60% fine grained sand; low plasticity; low estimated permeability.	37.5		 2"-diam., 0.010" Slotted Schedule 40 PVC
<1.0	NA	100%	MW-7 -45'		 				_50.0		Dellar of
							×.				Bottom of Boring @ 50 ft
								·			

PAGE 2 OF 2





BORING/WELL LOG

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				Equiva Services LLC			MW-8 19-May-99	<u></u>	<u></u>					
	LOCA	SITE NA					oft Ave	nue, Sa	an Leandro, Ćalifornia	DRILLING STARTED				
			·							n Previous Page				
	TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG		LOGIC DESCRIPTION	00000000000000000000000000000000000000	CONTACT DEPTH (ft bgs)	WEL	L DIAGRAM
GDT 7727/89	<1.0	COUL	100%				or Sr GW	GRAP LOC	Clavey SAND; (SC); b	LOGIC DESCRIPTION	Silt, tted			 2"-diam., 0.010" Slotted Schedule 40 PVC Bottom of Boring @ 50 ft
WELL LOG (TPH-G) G.\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99														

PAGE 2 OF 2

5900 Hollis Street, Suite A ويتار والاور والمان Emeryville, CA 94608 Telephone: (510) 420-0700 Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	MW-9		
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED	10-Feb-04		
LOCATION	1285 Bancroft Avenue, San Leandro, California	DRILLING COMPLETED	10-Feb-04		
PROJECT NUMBER	246-0504-007	WELL DEVELOPMENT DA	TE (YIELD) NA	1	
DRILLER	Gregg Drilling	GROUND SURFACE ELEV	ATION66.03	}	
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATI	ON 65.55 ft		
BORING DIAMETER	10"	SCREENED INTERVAL	45 to 50 ft bgs		
LOGGED BY	Stu Dalie	DEPTH TO WATER (First I	Encountered) 35	0.0 ft (10-Feb-04)	Ω
REVIEWED BY	M. Derby, PE# 055475	DEPTH TO WATER (Static) N;	4	Y

REMARKS

REVIEWED BY M. Derby, PE# 055475 Hand augered to 5 fbg.

0 M - Asphalt. (2M 0.6 (2V) GRAVEL. (GM): Light brown; loose: dry; 30% silt. (2) gravel. S5% silt. Iow plasticity. 0.6 (1.0) 0 M	PID (ppm)	TPHg (ppm)	BLOW	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION		DEPTH (ft bgs)	WELL	DIAGRAM
0 NA MW-9 5 - 5							GM		Silty GRAVEL; (GM); Light brown; loose; dry; 30% silt, 70% gravel.	7 1).6		(, , , , , , , , , , , , , , , , , , ,
0 MW-9 10- CLAY; (CL); Dark brown; medium stiff; dry; 90% clay, 10% silt.	0		NA	MW-9- 5'			ML						
$\begin{array}{c c} 0 \\ & & \\ 10' \\ & & \\ \end{array}$						-			CLAY; (CL); Dark brown; medium stiff; dry; 90% clay, 10% silt.		7.5		
0 NA MW-9 15 17.5 0 NA MW-9 20 17.5 0 NA MW-9 20 ML 0 NA MW-9 20 ML 0 NA MW-9 25 CLAY: (CL); Olive gray (stained); very stiff; dry; 95% 0 NA MW-9 -30 CLAY: (CL); Olive gray (stained); very stiff; dry; 95% 0 NA MW-9 -30 CLAY: (CL); Olive gray (stained); very stiff; dry; 95% 0 NA MW-9 -30 -30	0		. NA		XX		CL						
0 NA MW-9 20 ML Clayey SILT: (ML); Light brown; medium dense; dry; 35% clay, 55% silt, 10% sand. 17.5 0 NA MW-9 20 ML 35% clay, 55% silt, 10% sand. 17.5 0 NA MW-9 20 ML 35% clay, 55% silt, 10% sand. 17.5 0 NA MW-9 20 ML 35% clay, 55% silt, 10% sand. 25.0 0 NA MW-9 25 CLAY; (CL); Olive gray (stained); very stiff; dry; 95% clay, 5% silt; strong hydrocarbon odor. 25.0 0 NA MW-9 - - - - 0 NA MW-9 - - - - 0 NA MW-9 - - - - 0 NA MW-9 - - - -	0		NA		NX N								
0 ML ML 1/1 0 NA MW-9 25 CLAY; (CL); Olive gray (stained); very stiff; dry; 95% 0 NA MW-9 25 CLAY; (CL); Olive gray (stained); very stiff; dry; 95% 0 NA MW-9 30-	0	~	NA	MW-9		20			<u>Clayey SILT;</u> (ML); Light brown; medium dense; dry; 35% clay, 55% silt, 10% sand.		17.5		Portland Typ
0 NA MW-9 25 CLAY; (CL); Olive gray (stained); very stiff; dry; 95% 25.0 0 - - - - 0 - - - 0 MW-9 - -				20	X		Ml						4" diam., Schedule 40
0 MW-9 30-	0		NA	MW-9- 25'	MW	25			CLAY; (CL); Olive gray (stained); very stiff; dry; 95% clay, 5% silt; strong hydrocarbon odor.		25.0		
	0) NA	MW-9- 30'	М Г		CL						
GC Clayey GRAVEL; (GC); Olive gray (stained); medium stiff; wet; 40% clay, 60% gravel; strong hydrocarbon odor.						······································	GC		<u>Clayey GRAVEL</u> ; (GC); Olive gray (stained); medium stiff; wet; 40% clay, 60% gravel; strong hydrocarbon odor.				

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		T NAN		S	hell	-brande	ed serv	rice sta		IW-9 0-Feb-04 0-Feb-04
					<u></u>				Continued from Previous Page	
	(mqq) Olq	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	DEPTH (ft bgs)
	51		NA	MW-9 35'			GC	IN IN IN IN IN	Poorly graded SAND; (SP); Olive gray (stained); loos wet; 100% sand; strong hydrocarbon odor. <u>Clayey GRAVEL</u> ; (GC); Olive gray (stained); medium stiff; wet; 40% clay, 60% gravel; strong hydrocarbon No recovery	nse; 35.2
	North Control of the State of t		NA	MW-9 40'	XX	40		20187		42.5 Hentonite Sea
	78		NA	MW-9 45'		- 45-	GC SW		Clayey GRAVEL; (GC); Olive gray (stained); soft; wel 30% clay, 70% gravel; strong hydrocarbon odor. Well graded SAND with Gravel; (SW); Olive gray (stained); loose; wet; 80% sand, 20% gravel.	45.0 45.0
	10			MW-9 49.5'	Į XX		CL		CLAY with Sand and Silt; (CL); Light brown; very stif damp to moist; 60% clay, 15% silt, 25% sand.	47.5 #2/12
EFAULT.GDT 4/26/04										Boring @ 50 ft
WELL LOG (PID/TPHS) G:ISAN LEANDRO 1285 BANCROFT/GINT/SNL1285.GPJ DEFAULT.GDT 4/26/04										
WELL LOG (PID/TPHG) GA										PAGE 2 OF



CLIENT NAME

LOCATION

DRILLER

LOGGED BY

JOB/SITE NAME

PROJECT NUMBER

DRILLING METHOD

BORING DIAMETER

REVIEWED BY

5900 Hollis Street, Suite A Emeryville, CA 94608 Telephone: (510) 420-0700 Fax: (510) 420-9170

Shell-branded service station

246-0504-007

Gregg Drilling

8"

Stu Dalie

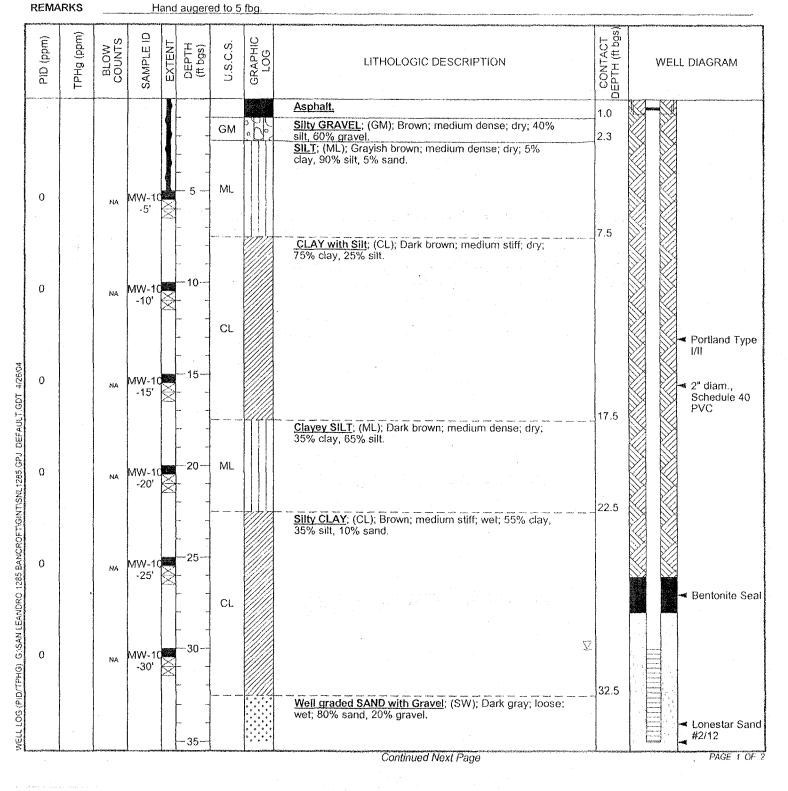
Hollow-stem auger

M. Derby, PE# 055475

Shell Oil Products Company (US)

1285 Bancroft Avenue, San Leandro, California

BORING/WELL NAME	MW-10	#*************************************	
DRILLING STARTED	11-Feb-04		
DRILLING COMPLETED	11-Feb-04	······································	
WELL DEVELOPMENT DA	TE (YIELD) N	A	
GROUND SURFACE ELE	ATION 64	4.80	
TOP OF CASING ELEVAT	ION 64.36 ft		
SCREENED INTERVAL	30 to 40 ft	bgs	
DEPTH TO WATER (First	Encountered)	30.0 ft (11-Feb-04)	$\underline{\nabla}$
DEPTH TO WATER (Stati	;)	NA	Y





WELL LOG (PID/TPHG) G:ISAN LEANDRO 1285 BANCROFTIGINTSNL1285 GPJ DEFAULT.GDT 4/26/04

5900 Hollis Street, Suite A Emeryville, CA 94608 Telephone: (510) 420-0700 Fax: (510) 420-9170 ~ =] :

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)
JOB/SITE NAME	Shell-branded service station
LOCATION	1285 Bancroft Avenue, San Leandro, California

BORING/WELL NAME DRILLING STARTED DRILLING COMP

Continued from Previous Page

MW-10 11-Feb-04

PLETED	11-Feb-04

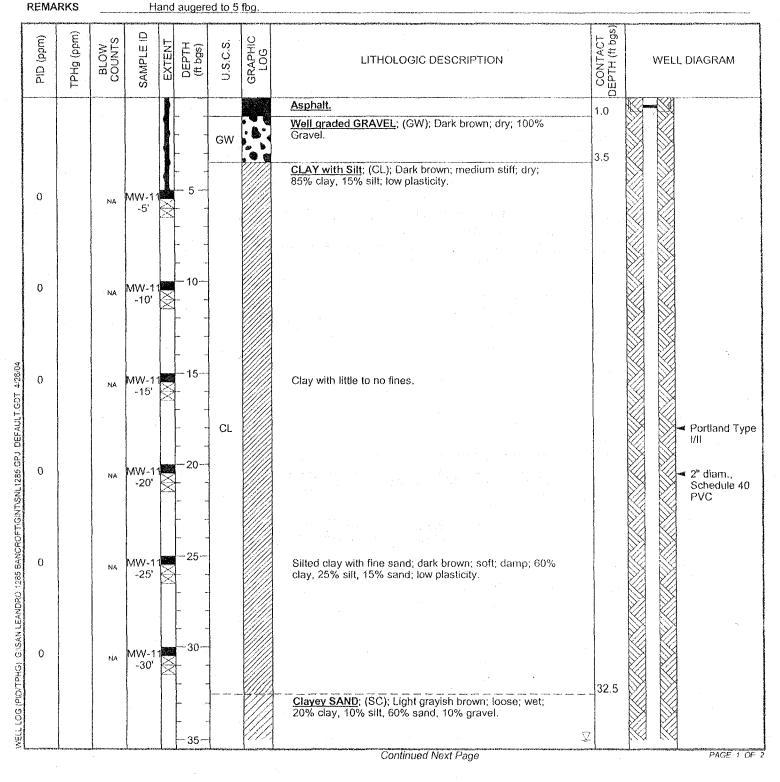
(mqq) CIA	(mqq) gHqT	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		NA	MW-1(-35'	X W	••••	SW				2"-diam., 0.010" Slotted Schedule 40 PVC
0		NA	MW-10 -40'		40		4 6 5 5 1 4 5 6 1 5 6 6 1 5 6 6 6 6 mm3 5 6 6 mm3 5 6 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	אור אור אור אור אור אור אור אור אור אור 	40.0	Bottom of Boring @ 40 ft
					-					
								· · · · · · · · · · · · · · · · · · ·		
40.564007487497474-114	0,0100,007-59-59				********					PAGE 2 OF 2



at viron e car ومالية ولإيرانا الدارة ماد 5900 Hollis Street, Suite A Emeryville, CA 94608 Telephone: (510) 420-0700 Fax: (510) 420-9170

CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME MW-11	
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED 10-Feb-04	
LOCATION	1285 Bancroft Avenue, San Leandro, California	DRILLING COMPLETED 10-Feb-04	
PROJECT NUMBER	246-0504-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	33.94
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION 63.54 ft	
BORING DIAMETER	8"	SCREENED INTERVAL 40 to 45 f	t bgs
LOGGED BY	Stu Dalie	DEPTH TO WATER (First Encountered)	35.0 ft (10-Feb-04) 📿
REVIEWED BY	M. Derby, PE# 055475	DEPTH TO WATER (Static)	NA
DEMADKC	Hand aucorod to 5 the		

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Centrale dinvitori i care a 5900 Hollis Street, Suite A بي. 1. , Emeryville, CA 94608 Telephone: (510) 420-0700

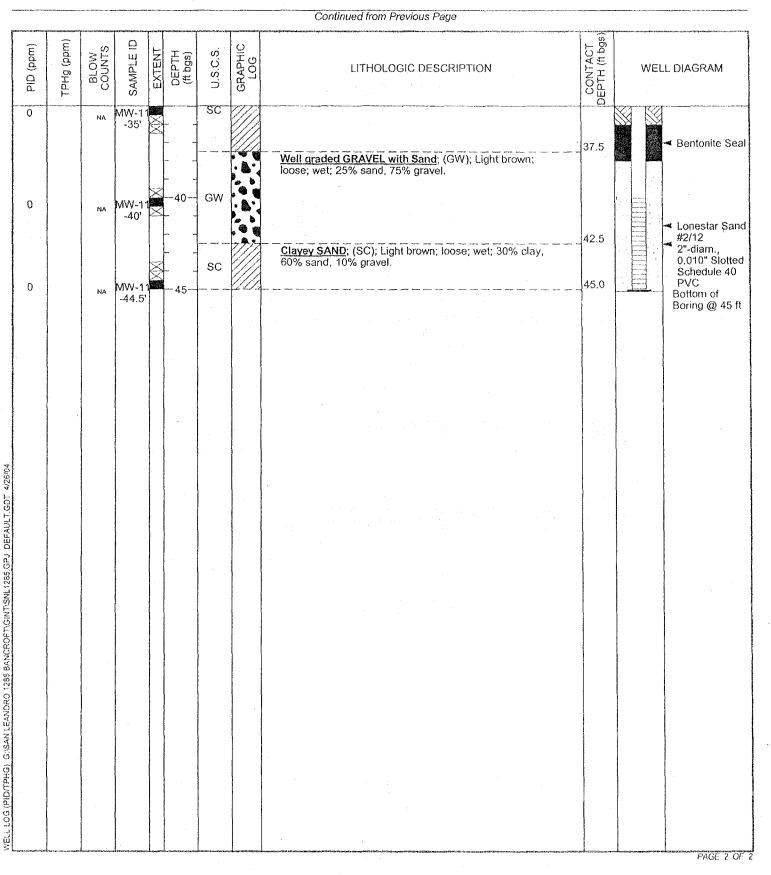
	Fax: (510) 420-9170		
CLIENT NAME	Shell Oil Products Cornpany (US)	BORING/WELL NAME	MW-11
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED	10-Feb-04

LOCATION

Shell-branded service station

DRILLING STARTED

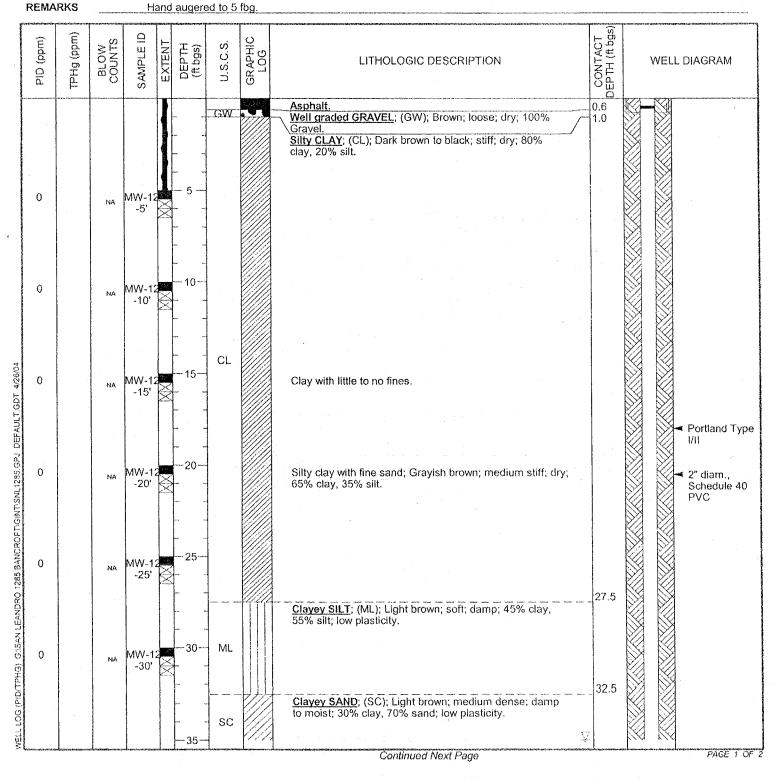
<u>10-Feb-04</u>





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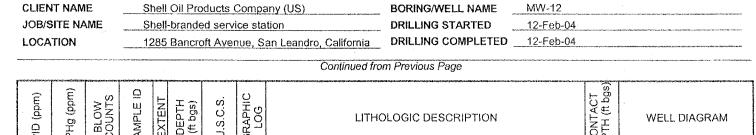
CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME MW-12
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED 12-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	DRILLING COMPLETED 12-Feb-04
PROJECT NUMBER	246-0504-007	WELL DEVELOPMENT DATE (YIELD) NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION 65.97
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION 65.58 ft
BORING DIAMETER	8"	SCREENED INTERVAL 40 to 45 ft bgs
LOGGED BY	Stu Dalie	DEPTH TO WATER (First Encountered) 35.0 ft (12-Feb-04)
REVIEWED BY	M. Derby, PE# 055475	DEPTH TO WATER (Static) NA
	1 1 4 F 1 P F	





5900 Hollis Street, Suite A Emeryville, CA 94608 Telephone: (510) 420-0700 Fax: (510) 420-9170

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94608 10) 420-0700 -9170			· .	



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0		AN	MW-12 -35'	XX		CL		<u>CLAY;</u> (CL); Light brown; very stiff; wet; 95% clay, 5% sand.	35.5	✓ Bentonite Se
				X		sw	· · · · · · · · · · · · · · · · · · ·	Well Graded SAND with Gravel; (SW); Light brown; loose; wet; 80% sand, 20% gravel.	37.5 40.2	- Demonite Se
0		NA	MW-1: -40'			sc		<u>Clayey SAND;</u> (SC); Brown; medium dense; wet; 20% clay, 80% sand.	40.2	Lonestar Sa #2/12
				\mathbf{X}		ML		Sandy SILT with Clay; (ML); Brown; medium dense; wet; 15% clay, 55% silt, 30% sand. CLAY; (CL); Brown; very still; wet; 95% clay, 5% silt.	44.0	2"-diam., 0.010" Slotte Schedule 40
0		NA	MW-1: -44.5'		-45			CLAY, (CL), Brown; Very Still, Wet, 95% Clay, 5% Slit.	45.0	PVC Bottom of Boring @ 45
						· · · · ·				
										· ·
	-									
				:						
										PAGE 2

5900 Hollis Street, Suite A Emeryville, CA 94608 Telephone: 510-420-0700 Fax: 510-420-9170 CLIENT NAME Shell Oil Products Company (US) BORING/WELL NAME SVP-1 JOB/SITE NAME Shell-branded service station DRILLING STARTED 08-Dec-08 08-Dec-08 DRILLING COMPLETED LOCATION 1285 Bancroft Avenue, San Leandro, California **PROJECT NUMBER** 240504-008 WELL DEVELOPMENT DATE (YIELD) NA NA Test America, C-57 #819548 DRILLER **GROUND SURFACE ELEVATION DRILLING METHOD** Air knife TOP OF CASING ELEVATION NA 7" 4.92 to 5 fbg BORING DIAMETER SCREENED INTERVALS E. Reinhart-Koylu NA LOGGED BY **DEPTH TO WATER (First Encountered) REVIEWED BY** P. Schaefer **DEPTH TO WATER (Static)** NA REMARKS

Campria ...nv tonmenta - echnology, no.

	PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
	0							<u>ASPHALT</u> <u>SILT with Sand (ML)</u> ; dark brown (7.5YR 3/3); moist; 80% silt, 20% fine sand; low plasticity.	0.5	Portland Type I/II
						ML				 ✓ 1/4" tefton sample tubing ✓ Bentonite Seal
2	.5		SVP-1 @	5'	5	 			5.5	Monterey Sand #2/16 1/4" diam. screen Bottom of Boring @ 5.5 fbg
E-SEP LEMIDER 201										
NCROF I V24U5U4-F1										
LEANDRO 1285 BA										
2405-1240504-SAN						-				
WELL LOG (PID) INSHELLIG-CHARS/2405-/240504-SAN LEANDRO 1285 BANCROFT/240504-										
WELL LOG (PID)										

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(A))	Cambria Environmental Technology, Inc. 5900 Hollis Street, Suite A Emeryville, CA 94608 Telephone: 510-420-0700 Fax: 510-420-9170	BORI	NG / WELL LOG
CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED 08-Dec-08	
LOCATION	1285 Bancroft Avenue, San Leandro, California	DRILLING COMPLETED 08-Dec-08	
PROJECT NUMBER	240504-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Test America, C-57 #819548	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Air knife	TOP OF CASING ELEVATION	NA
BORING DIAMETER	7"	SCREENED INTERVALS	4.92 to 5 fbg
LOGGED BY	E. Reinhart-Koylu	DEPTH TO WATER (First Encountered) NA 💆
REVIEWED BY	P. Schaefer	DEPTH TO WATER (Static)	NA 👤
REMARKS			

	PID (ppm)	BLOW	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
BOX								ASPHALT <u>SILT with Sand (ML)</u> ; dark brown (7.5YR 3/3); moist; 80% silt, 20% fine sand; low plasticity.	-0.3	Portland Type I/II
	0		- -			ML				 ✓ 1/4" teflon sample tubing ✓ Bentonite Seal
	4.0		SVP-2 @ 5						5.5	Monterey Sand #2/16 1/4" diam. screen
										Bottom of Boring @ 5.5 fbg
	•									
-HOP-1/240504-F										
1285 BAN										
40504-SAN LEAN	-									
CHARS/2405-124										
WELL LOG (PID) INSHELLIG-CHARSV240									ر	
WELL LOG (F										

(ARD)	Cambria Environmental Technology, Inc. 5900 Hollis Street, Suite A Emeryville, CA 94608 Telephone: 510-420-0700 Fax: 510-420-9170				
CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	SVP-3	۱ 	
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED	08-Dec-08		
LOCATION	1285 Bancroft Avenue, San Leandro, California	DRILLING COMPLETED	08-Dec-08		
PROJECT NUMBER	240504-008	WELL DEVELOPMENT DA	ATE (YIELD)	<u>NA</u>	
DRILLER	Test America, C-57 #819548	GROUND SURFACE ELEN	ATION	NA	<u></u>
DRILLING METHOD	Air knife	TOP OF CASING ELEVAT	ION	NA	
BORING DIAMETER	7"	SCREENED INTERVALS		4.92 to 5 fbg	

WELL LOG (PID) 11SHELLIG-CHARS/2405-2240504-SAN LEANDRO 1285 BANCROFT/240504-PRE-SEPTEMBER 2008IGINT/SNL1285.GPJ DEFAULT.GDT 12/18/08

LOGGED BY

REMARKS

REVIEWED BY

E. Reinhart-Koylu

P. Schaefer

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							<u>CONCRETE</u> <u>SILT with Sand (ML)</u> ; dark brown (7.5YR 3/3); moist; 80% silt, 20% fine sand; low plasticity.	0.5	Portland Type I/I
0					ML				 1/4" teflon sample tubing Bentonite Seal
		SVP-3 @ 5		5				5.5	Monterey Sand #2/16 1/4" diam. screen Bottom of Boring @ 5.5 fbg
								•	
405-40-04									
HELL/G-CHARS					· .				
WELL LOG (PID) INSHELLUG-CHARS				, .					
ME				<u>.</u>					

)G

⊽ ¥

NA

NA

DEPTH TO WATER (First Encountered)

DEPTH TO WATER (Static)

C			Eme	0 Hollis eryville, ephone : 510-4	CA 9	4608	e A	· · · ·		1 C	1 11 1	LOG
CLIENT	NAME		She	ll <u>Öil Pro</u>	oducts	Compa	ny (US)	BORING/WELL NAME	SVP-4			
JOB/SIT	E NAME			ll-brande				DRILLING STARTED	08-Dec-08			
LOCATI		-	128	5 Bancro	oft Ave	nue, Sa	an Leandro, California	DRILLING COMPLETED	08-Dec-08	<u>.</u>		
PROJEC		ER		504-008			<u></u>	WELL DEVELOPMENT D				<u> </u>
DRILLEI	R IG METH		Air l	Americ	a, C-57	7 #8195	548	GROUND SURFACE ELE				
		•	<u></u> 7"					TOP OF CASING ELEVA SCREENED INTERVALS		<u>NA</u> 4,92 to	5 fbg	
LOGGE				einhart-	Koylu		· · · · · · · · · · · · · · · · · · ·	DEPTH TO WATER (First	- Encountered)			Σ
REVIEW	ED BY			chaefer	1.1			DEPTH TO WATER (Stat	-	NA		<u> </u>
REMAR	KS				<u> </u>		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			
(mqq) Olq	BLOW COUNTS	SAMPLE ID	EVTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITH	DLOGIC DESCRIPTION	,	CONTACT DEPTH (fbg)	WEL	L DIAGRAM
				1			ASPHALT			0.3		
0							<u>SILT with Sand (ML</u> 80% silt, 20% fine s); dark brown (7.5YR 3/3); and; low plasticity.	moist;			 Portland Type I/II 1/4" teflon sample
				- ·	<u> </u> м∟							tubing Bentonite Seal
							an taon ang ang ang ang ang ang ang ang ang an					
					1		· · · · · · · · · · · · · · · · · · ·					r i
				- 5	l							Monterey Sand #2/18
0.4		SVP-4	@ °			. HIII.			····	5.5		1/4" diam. screen
												Bottom of Borin @ 5.5 fbg
							and the second second			e san e		
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1/24/604-SAN I EANDRO 1285 BANCROFT/240504-PRE-SEPTEMBER 2008/GINT/SNL1285.GPJ DEFAULT.GDT 12/18/08 ķ

i.

	5900 Hollis Street, Suite A Emeryville, CA 94608 Telephone: 510-420-0700 Fax: 510-420-9170	BOR	ING / WELL LOG
CLIENT NAME	Shell Oil Products Company (US)	BORING/WELL NAME	
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED 09-Dec-08	
LOCATION	1285 Bancroft Avenue, San Leandro, California	DRILLING COMPLETED 09-Dec-08	
PROJECT NUMBER	240504-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Test America, C-57 #819548	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Air knife	TOP OF CASING ELEVATION	NA
BORING DIAMETER	7"	SCREENED INTERVALS	4.92 to 5 fbg
LOGGED BY	E. Reinhart-Koylu	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
2 0							ASPHALT CONCRETE SILT with Sand (ML) ; dark brown (7.5YR 3/3); moist; 80% silt, 20% fine sand; low plasticity.	0.3 0.5	Portland Type I/i
				 	ML				 1/4" tefion sample tubing Bentonite Seel
5.1		SVP-5 @ 5	,	- 5				5.5	Monterey Sand #2/16 1/4" dlam. screen Bottom of Boring @ 5.5 fbg
JANCROF 1 1240504-									
AN LEANDRO 1285 I									
6-CHARS/2405-1240504-SAN LEANDRO 1285 BANCROF 1/240504-PRE-SEPTLEMBER 200451N15ML1243-91-3 DEFAULT-0-1									