

By Alameda County Environmental Health 2:23 pm, Mar 16, 2017

CAMBRIA

August 16, 2006

Ms. Ann Roth California Department of Water Resources (DWR) 901 P Street, 3rd Floor Sacramento, California 95814

Re:

Well Completion Reports

Former Texaco Service Station Site # 30-6799 5815 Market Street Oakland, CA

Dear Ms. Roth:



Cambria Environmental Technology, Inc. (Cambria), on behalf of Chevron Environmental Management Company (Chevron), is submitting the following DWR Well Completion Reports in conjunction with well installation activities at the subject site.

Attached are the prepared well completion reports, boring logs, and a Site Plan.

Thank you for your assistance. If you have any questions or comments, please contact Lelia Pascale, at (510) 420-3350 or via email at lpascale@cambria-env.com.

Sincerely,

Cambria Environmental Technology, Inc.

Lelia Pascale

Senior Staff Geologist

cc:

Woodward Drilling Company, Inc., 550 River Road, Rio Vista, CA 94571

Alameda County Database

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Cambria Environmental Technology, Inc.

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

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File Original with DWR		State of California				DWR Use Only - Do Not Fill In						
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*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form. File Original with DWR State of California DWR Use Only - Do Not Fill In **Well Completion Report** Page _ Refer to Instruction Pamphlet State Well Number/Site Number Owner's Well Number M W-2 No. e038296 N L L Date Work Began 3-24-06 Date Work Ended 3.27.00 Longitude Local Permit Agency Alameda County Public Works Permit Date 8-17-06 Geologic Log **Well Owner** Name Chevron Environmental Management Orientation O Vertical OAngle O Horizontal Specify **Drilling Method** Drilling Fluid Mailing Address PO BOX 6012 Depth from Surface Description City San Ramon 94583 __ State __CA __Zip Feet to Feet Describe material, grain size, color, etc **Well Location** See boring log Address 5815 Market St. ___ County Alameda City Oakland N Longitude ______ Deg. Min. Latitude _ Min. Sec. _ Decimal Lat. Decimal Long. APN Book_ _ Page . Parcel . Township _ Range. Section . Activity **Location Sketch** (Sketch must be drawn by hand after form is printed.) New Well Modification/Repair North O Deepen O Other_ O Destroy
Describe procedures and materials
under "GEOLOGIC LOG" See site plan **Planned Uses** O Water Supply

☐ Domestic ☐ Public ☐ Irrigation ☐ Industrial O Cathodic Protection O Dewatering O Heat Exchange O Injection Monitoring Remediation O Sparging O Test Well South O Vapor Extraction Illustrate or describe distance of well from roads, buildings, fences rivers, etc. and attach a map. Use additional paper if necessary. O Other Water Level and Yield of Completed Well Depth to first water____ _ (Feet below surface) Depth to Static Water Level 5.46 (Feet) Date Measured 6.20.06 __ (GPM) Test Type _ Estimated Yield * 15-3 Total Depth of Boring Feet (Hours) Total Drawdown Test Length_ Total Depth of Completed Well Feet *May not be representative of a well's long term yield. **Annular Material** Casings Depth from Wall Borehole Outside Slot Size Depth from Material Fill Description Thickness Diameter Surface Diameter Type if Any Surface Feet to Feet (Inches) (Inches) Feet to Feet (Inches) See boring **Certification Statement Attachments** Geologic Log Well Construction Diagram Geophysical Log(s) ☐ Soil/Water Chemical Analyses 8/16/02 71007 C-57 License Number Other Sate Plan Attach additional information, if it exists

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☐ So	oil/Water	r Chem	mical A	Analyses	1	1	£ - A	Address		_	City			State	Zip
¥Z Ot≀	ther _S	nte	94	m		Signed		ensed Weller W	washe	FREW	DC.	8/16	106.	710	2079



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

	CLIENT JOB/SIT LOCATIO PROJEC DRILLEF DRILLIN BORING LOGGEE REVIEW REMARK	E NAME ON T NUMB OMETH DIAMET OBY ED BY	30 58 ER 31 W OD H ER 8" L.	J-2 Ood Ollor Pa	Market Market 224 dward D w-stem scale	Street	Co., C	and 57# 710079	DRILLING STARTED 24-Mar-06 DRILLING COMPLETED 27-Mar-06 WELL DEVELOPMENT DATE (YIELD) NA GROUND SURFACE ELEVATION 71.66 ft above msl TOP OF CASING ELEVATION 71.66 ft above msl SCREENED INTERVALS 4 to 14 fbg DEPTH TO WATER (First Encountered) 5.0 fbg (24-Mar-0						
	PID (ppm)	BLOW	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHC	DLOGIC DESCRIPTION		CONTACT DEPTH (fbg)	WEL	L DIAGRAM		
WELL LOG (PID) 1/306799 JIMMIES HOUSE OF SPARKLESIGINTWW-1-6, SB5-9 GPJ DEFAULT GDT 4/20/06	0	5 7 11 15 4 6 9 10 5 9 14 22	MW-1 @ 9.5			ML SM		© 5 fbg change in coarse sand present © 9.5 fbg change in coarse sand present © 9.5 fbg change in mottling (5Y 4/2); ve Silty SAND: Dark ye oxidation stains and sand, 30% silt, 15% plasticity; medium depermeability. Sandy SILT with Clastaining and black fit sand, 15% clay, 5% plasticity; moist; more sand, 5% clay, 5% plasticity; moist; more sand, 15% clay, 5% plasticity; more sand, 15% clay,	coloration to olive gray with ry stiff. lowish brown with gray mot black coarse sand (10YR 4 angular gravel (0.75"), 5% ense; moist; moderate estin y: Yellowish brown with ora te sand (10YR 5/6); 50% si angular gravel (0.75"); mod	ace a brown ttiing, red (6); 50% clay; no nated nge lt, 30% erate	10.5 12.0		 ✓ Portland Type I/II Cement ✓ Bentonite Seal ✓ Sand #2/12 2"-diam., 0.020" Slotted Schedule 40 PVC ✓ Monterey Sand #2/12 Bottom of Boring @ 16 fbg 		



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BORING/WELL LOG

CLIENT NAME Chevron Products Company **BORING/WELL NAME** MW-2 JOB/SITE NAME **DRILLING STARTED** 30-6799 24-Mar-06 DRILLING COMPLETED 27-Mar-06 LOCATION 5815 Market Street, Oakland PROJECT NUMBER 31J-2224 WELL DEVELOPMENT DATE (YIELD) NA Woodward Drilling Co., C57# 710079 GROUND SURFACE ELEVATION_ 72.18 ft above msl **DRILLING METHOD** Hollow-stem auger TOP OF CASING ELEVATION 72.18 ft above msl BORING DIAMETER SCREENED INTERVALS 4 to 14 fbg L. Pascale 5.0 fbg (24-Mar-06) LOGGED BY DEPTH TO WATER (First Encountered) REVIEWED BY L. Genin **DEPTH TO WATER (Static)** NA

REMARKS Hand Augered to 8 fbg CONTACT DEPTH (fbg) PID (ppm) BLOW **EXTENT** GRAPHIC LOG DEPTH SAMPLE (fgg) U.S.C. LITHOLOGIC DESCRIPTION WELL DIAGRAM Asphalt Baserock 0.5 1.0 Portland Type Clayey SILT: Black (2.5Y 5/2); 60% silt, 35% clay, 5% I/II Cement coarse sand; moderate plasticity; dry; low estimated permeability Bentonite Seal @ 4 fbg change in coloration to olive gray (5Y 5/2); Ā increase in coarse sand. MW-2 @ 5 2 ML @ 8 fbg orange staining due to oxidation present; stiff. ✓ Monterey
✓ Sand #2/12 2"-diam., 0.020" Slotted 12 0 MW-2 @ 9.5 @ 9.5 fbg change in coloration to dark grayish brown 5 (2.5Y 4/2); very stiff. Schedule 40 **PVC** 14 DEFAULT GDT 5 6 14.0 MW-2 @ 13.5 @ 13.5 fbg change in coloration to gray brown (2.5Y 5.2); Bottom of black fine sand present; stiff. Boring @ 14 fbg SB5-9 GPJ WELL LOG (PID) 1/306799 JIMMIES HOUSE OF SPARKLES/GINT/MW-1-6.



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BORING/WELL LOG

	A: D 1 1 A	AMA/ O	
CLIENT NAME	Chevron Products Company	BORING/WELL NAMEMW-3	
JOB/SITE NAME	30-6799	DRILLING STARTED 27-Mar-06	
LOCATION	5815 Market Street, Oakland	DRILLING COMPLETED 28-Mar-06	
PROJECT NUMBER	31J-2224	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Woodward Drilling Co., C57# 710079	GROUND SURFACE ELEVATION	2.32 ft above msl
DRILLING METHOD _	Hollow-stem auger	TOP OF CASING ELEVATION 72.32 ft al	pove msl
BORING DIAMETER	8"	SCREENED INTERVALS 4 to 14 fbg	1
LOGGED BY	L. Pascale	DEPTH TO WATER (First Encountered)	5.0 fbg (27-Mar-06)
REVIEWED BY	L. Genin	DEPTH TO WATER (Static)	NA J
DE114 DI/O	11 A d.t. O.ff		

REMARKS Hand Augered to 8 fbg. CONTACT DEPTH (fbg) PID (ppm) SAMPLE ID GRAPHIC LOG BLOW EXTENT U.S.C.S. DEPTH (fbg) WELL DIAGRAM LITHOLOGIC DESCRIPTION Asphalt Baserock 0.5 1.0 ML Portland Type Clayey SILT with Sand: Black (2.5Y 2/0); 50% silt, 30% I/II Cement clay, 20% coarse sand; moderate to high plasticity; dry; (low estimated permeability.

<u>Clayey SILT</u>: Gray (5Y 5/1); 60% silt, 40% clay; high plasticity; stiff; dry; low estimated permeability. Bentonite Seal Ā ML 0 ✓ Monterey
✓ Sand #2/12 10 9.0 Clayey SILT with Sand: Grayish brown with orange, black, gray, and red mottling (10YR 5/3); 50% silt, 20% clay, 20% coarse sand, 10% angular gravel (0.75"); moderate to high plasticity; very stiff; dry; low estimated 11 2"-diam., 0.020" Slotted 19 38 MW-3 @ 9.5 ML Schedule 40 10 13 15 2 permeability. 12.0 WELL LOG (PID) 1/306799 JIMMIES HOUSE OF SPARKLES/GINTIMW-1-6, SB5-9,GPJ DEFAULT.GDT 4/20/06 SILT with Clay: Yellowish brown (10 YR 5.4); 80% silt, 15% clay, 5% fine sand; high plasticity; stiff; dry; low estimated permeability. 5 ML 2 3 ■ Monterey Sand #2/12 4 MW-3 @ 15 16.0 Bottom of Boring @ 16 fbg

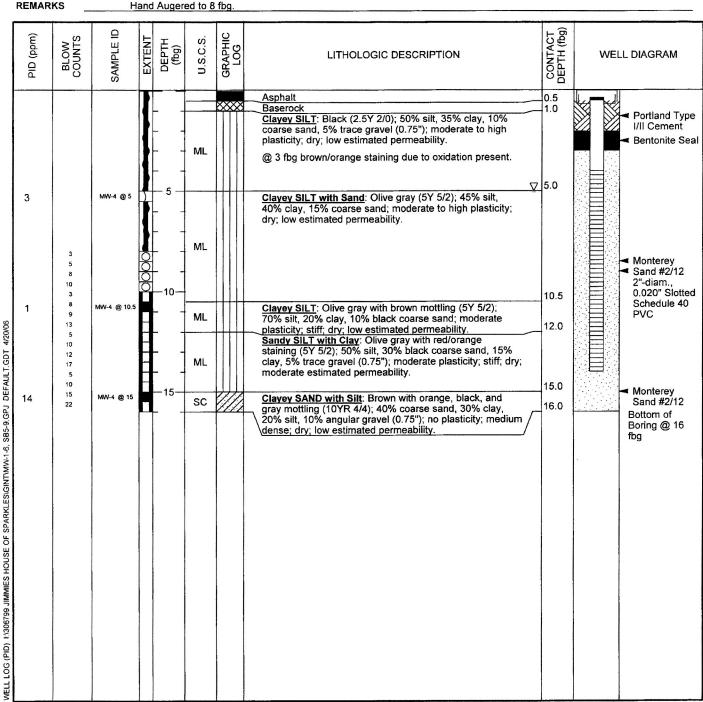


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BORING/WELL LOG

Emeryville, CA 94608 Telephone: 510-420-0700 Fax: 510-420-9170

CLIENT NAME	Chevron Products Company	BORING/WELL NAME MW-4		
JOB/SITE NAME	30-6799	DRILLING STARTED 24-Mar-06		
LOCATION	5815 Market Street, Oakland	DRILLING COMPLETED 27-Mar-06		
PROJECT NUMBER _	31J-2224	WELL DEVELOPMENT DATE (YIELD)_	NA	
DRILLER _	Woodward Drilling Co., C57# 710079	GROUND SURFACE ELEVATION	71.98 ft above msl	
DRILLING METHOD _	Hollow-stem auger	TOP OF CASING ELEVATION 71.98 ft	above msl	
BORING DIAMETER _	8"	SCREENED INTERVALS 4 to 14	fbg	
LOGGED BY	L. Pascale	DEPTH TO WATER (First Encountered)	5.0 fbg (24-Mar-06)	Ž
REVIEWED BY	L. Genin	DEPTH TO WATER (Static)	NA	Ž
DEM A DICO	Hand Armand to Office			





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BORING/WELL LOG

CLIENT NAME _	Chevron Products Company	BORING/WELL NAME MW-5		
JOB/SITE NAME	30-6799	DRILLING STARTED 23-Mar-06		
LOCATION	5815 Market Street, Oakland	DRILLING COMPLETED 28-Mar-06		
PROJECT NUMBER _	31J-2224	WELL DEVELOPMENT DATE (YIELD)	NA	
DRILLER	Woodward Drilling Co., C57# 710079	GROUND SURFACE ELEVATION	71.84 ft above msl	
DRILLING METHOD _	Hollow-stem auger	TOP OF CASING ELEVATION 71.84 ft a	bove msl	
BORING DIAMETER	8"	SCREENED INTERVALS 4 to 14 fb	og	
LOGGED BY	L. Pascale	DEPTH TO WATER (First Encountered)	5.0 fbg (23-Mar-06)	Ā
REVIEWED BY	L. Genin	DEPTH TO WATER (Static)	NA	Ţ

REMARKS Hand Augered to 8 fbg. CONTACT DEPTH (fbg) GRAPHIC LOG BLOW (mdd) EXTENT U.S.C.S. DEPTH (fbg) SAMPLE LITHOLOGIC DESCRIPTION WELL DIAGRAM PD Asphalt Baserock 0.5 1.0 Portland Type Clayey SILT: Brown (10YR 5/3); 60% silt, 30% clay, 10% I/II Cement coarse sand; moderate to high plasticity; wet; low estimated permeability. Bentonite Seal ML @ 3 fbg change in coloration to dark olive gray (5Y 3/2). ▽ 5.0 Clayey SILT with Sand: Olive gray (5Y 5/2); 45% silt, 40% clay, 15% coarse sand; moderate to high plasticity; 320 MW-5 @ 5 wet; low estimated permeability. ML ■ Monterey■ Sand #2/12 2"-diam., 0.020" Slotted 16 10.0 MW-5 @ 9.5 @ 9.5 fbg change in coloration to dark gray (5Y 4/1); trace angular gravel (0.75") present; very stiff; moist.

Clayey SAND with Silt: Brown with orange, black, and gray mottling (5Y 3/2); 40% coarse sand, 30% clay, 20% silt, 10% angular gravel (0.75"); no plasticity; medium dense; dry; low estimated permeability. Schedule 40 10 12 **PVC** 14 WELL LOG (PID) 1:306799 JIMMIES HOUSE OF SPARKLESIGINTIMW-1-6. SB5-9.GPJ DEFAULT.GDT 4/20/06 SC @ 13 fbg change in coloration to brown to dark brown (7.5YR 4/4); wet. 3 9 Monterey Sand #2/12 11 MW-5 @ 15 @ 15 fbg change in coloration to dark yellowish brown 16.0 (10YR 4/4); dense. Bottom of Boring @ 16 fbg



REVIEWED BY_

REMARKS

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BORING/WELL LOG

 CLIENT NAME
 Chevron Products Company

 JOB/SITE NAME
 30-6799

 LOCATION
 5815 Market Street, Oakland

 PROJECT NUMBER
 31J-2224

 DRILLER
 Woodward Drilling Co., C57# 710079

 DRILLING METHOD
 Hollow-stem auger

 BORING DIAMETER
 8"

 LOGGED BY
 L. Pascale

Hand Augered to 8 fbg.

L. Genin

BORING/WELL NAME MW-6

DRILLING STARTED 24-Mar-06

DRILLING COMPLETED 28-Mar-06

WELL DEVELOPMENT DATE (YIELD) NA

GROUND SURFACE ELEVATION 71.35 ft above msl

TOP OF CASING ELEVATION 71.35 ft above msl

SCREENED INTERVALS 4 to 14 fbg

DEPTH TO WATER (First Encountered) 5.0 fbg (24-Mar-06)

DEPTH TO WATER (Static) NA

CONTACT DEPTH (fbg) (mdd) BLOW EXTENT GRAPHIC DEPTH SAMPLE 507 U.S.C. (fgg) WELL DIAGRAM LITHOLOGIC DESCRIPTION 吕 0.5 Asphalt Portland Type I/II Cement Clayey SILT: Black (10YR 2/1); 60% silt, 35% clay, 5% coarse sand; moderate plasticity; dry; low estimated Bentonite Seal ∇ 97 ML @ 8 fbg change in coloration to olive gray (5Y 5/2); very ✓ Monterey
✓ Sand #2/12 11 2"-diam., 15 0.2 0.020" Slotted Schedule 40 PVC 10 3 WELL LOG (PID) 1:\306799 JIMMIES HOUSE OF SPARKLES\GINT\MW41-6, SB5-9.GPJ DEFAULT.GDT 10 14.0 Clayey SAND with Silt: Brown with orange, black, and gray mottling (5Y 3/2); 40% coarse sand, 30% clay, 20% silt, 10% angular gravel (0.75"); no plasticity; medium SC 15.0 ■ Monterey Sand #2/12 14 ML 16.0 22 dense; dry; low estimated permeability.

Clayey SILT: Pale olive with orange staining due to oxidation (5Y 6/3); 60% silt, 30% clay, 8% coarse sand, 2% trace angular gravel (0.8"); high plasticity; very stiff; Bottom of Boring @ 16 fbg moist; low estimated permeability

EXPLANATION

MW-1

Monitoring well location

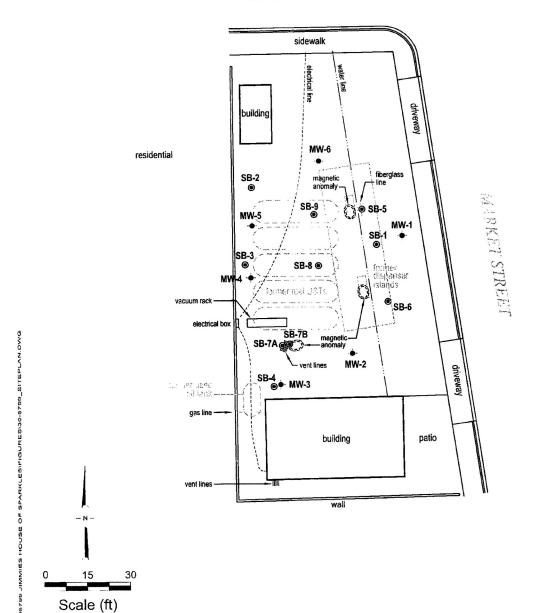
SB-1

● Soil boring location

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- 3

59th STREET



FIGURE

2

Former Texaco Service Station

5815 Market Street Oakland, California



Site Plan

CAMBRIA

Well Drillers Authorization Letter

Site Name:

FORMER TEXACO #306799

Site Address:

5815 MARKET STREET

City:

OAKLAND, CA

Well Driller

Woodward Drilling Co., Inc.

Drillers Address

P.O. Box 336

City, State, Zip

Rio Vista, CA 94571

Drillers Phone #

(707) 374 - 4300

C-57 License #

710079

Exp. Date 7/31/2007

Date: 10/28/2004 Time: 2:50:58 AM

For the sole purpose of procuring permits for drilling, well construction, and well destruction's, I hereby designate the following entities to act as our authorized representative.

Name:

Kamran Javandel

Company:

Cambria Environmental Technology, Inc.

Address:

5900 Hollis Street, Suite A

City, State, Zip

Emeryville, California, 94608

I understand that as the applicant for permits, I am responsible for compliance with all provisions of the permits. I also understand that upon written notification, that I may rescind this Authorization.

Signed:

Printed:

Wayne G. Woodward

Date: