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

C A M B R I A

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

i:\306799 jimmies house of sparkles\site investigation\letter-dwr 306799 august 2006.doc

**Cambria
Environmental
Technology, Inc.**

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

*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
Well Completion Report**

Refer to Instruction Pamphlet
No. e038295

DWR Use Only - Do Not Fill In	
State Well Number/Site Number	
N	W
Latitude	Longitude
APN/TRS/Other	

Page 1 of 6
 Owner's Well Number MW-1
 Date Work Began 3-24-06 Date Work Ended 3-27-06
 Local Permit Agency Alameda County Public Works Agency
 Permit Number W2006-0202 Permit Date 3-17-06

Geologic Log	
Orientation <input type="radio"/> Vertical <input type="radio"/> Horizontal <input type="radio"/> Angle Specify _____	
Drilling Method _____ Drilling Fluid _____	
Depth from Surface	Description
Feet to Feet	Describe material, grain size, color, etc
	See boring log
Total Depth of Boring _____ Feet	
Total Depth of Completed Well _____ Feet	

Well Owner	
Name <u>Chevron Env. Management Co.</u>	
Mailing Address <u>PO Box 6012</u>	
City <u>San Ramon</u> State <u>CA</u> zip <u>94583</u>	
Well Location	
Address <u>5815 Market St.</u>	
City <u>Oakland</u> County <u>Alameda</u>	
Latitude _____ N Longitude _____ W <small>Deg. Min. Sec. Deg. Min. Sec.</small>	
Datum <u>NAD83</u> Decimal Lat. _____ Decimal Long. _____	
APN Book _____ Page _____ Parcel _____	
Township _____ Range _____ Section _____	

Location Sketch <small>(Sketch must be drawn by hand after form is printed.)</small> North South West East	Activity <input checked="" type="radio"/> New Well <input type="radio"/> Modification/Repair <input type="radio"/> Deepen <input type="radio"/> Other <input type="radio"/> Destroy <small>Describe procedures and materials under "GEOLOGIC LOG"</small>
See site plan	Planned Uses <input type="radio"/> Water Supply <input type="checkbox"/> Domestic <input type="checkbox"/> Public <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="radio"/> Cathodic Protection <input type="radio"/> Dewatering <input type="radio"/> Heat Exchange <input type="radio"/> Injection <input checked="" type="radio"/> Monitoring <input type="radio"/> Remediation <input type="radio"/> Sparging <input type="radio"/> Test Well <input type="radio"/> Vapor Extraction <input type="radio"/> Other
<small>Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.</small>	

Water Level and Yield of Completed Well	
Depth to first water <u>5</u> (Feet below surface)	
Depth to Static _____	
Water Level <u>4.92</u> (Feet) Date Measured <u>6-20-06</u>	
Estimated Yield <u>15.8 gpm</u> (GPM) Test Type _____	
Test Length _____ (Hours) Total Drawdown _____ (Feet)	
*May not be representative of a well's long term yield.	

Casings						Annular Material				
Depth from Surface	Borehole Diameter	Type	Material	Wall Thickness	Outside Diameter	Screen Type	Slot Size if Any	Depth from Surface	Fill	Description
Feet to Feet	(Inches)			(Inches)	(Inches)		(Inches)	Feet to Feet		
			See boring log							

Attachments <input checked="" type="checkbox"/> Geologic Log <input type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input checked="" type="checkbox"/> Other <u>Site Plan</u>	Certification Statement I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief Name <u>WOODWARD DRILLING Co.</u> <small>Person, Firm or Corporation</small> <u>P.O. Box 336</u> <u>Rio Vista</u> <u>CA</u> <u>94571</u> <small>Address City State Zip</small> Signed <u>Thomas J. Ward</u> <u>FOR WDC</u> <u>8/16/06</u> <u>710079</u> <small>C-57 Licensed Water Well Contractor Date Signed C-57 License Number</small>
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State of California Well Completion Report

Page 2 of 6
 Owner's Well Number MW-2
 Date Work Began 3-24-06 Date Work Ended 3-27-06
 Local Permit Agency Alameda County Public Works
 Permit Number W2006-0203 Permit Date 3-17-06

Refer to Instruction Pamphlet
No. e038296

DWR Use Only - Do Not Fill In

State Well Number/Site Number
N W

Latitude Longitude

APN/TRS/Other

Geologic Log		
Orientation <input type="radio"/> Vertical <input type="radio"/> Horizontal <input type="radio"/> Angle Specify _____		
Drilling Method _____		Drilling Fluid _____
Depth from Surface		Description
Feet to Feet		Describe material, grain size, color, etc
		See boring log
Total Depth of Boring _____ Feet		
Total Depth of Completed Well _____ Feet		

Well Owner		
Name	<u>Chevron Environmental Management Co.</u>	
Mailing Address	<u>PO Box 6012</u>	
City	<u>San Ramon</u>	State <u>CA</u> zip <u>94583</u>

Well Location		
Address <u>5815 Market St.</u>		
City	<u>Oakland</u>	County <u>Alameda</u>
Latitude	N Longitude _____ W	
Datum _____ Decimal Lat. _____ Decimal Long. _____		
APN Book	Page _____	Parcel _____
Township	Range	Section

Location Sketch	
(Sketch must be drawn by hand after form is printed.)	
North	
See site plan	
West	East
South	

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity
<input checked="" type="checkbox"/> New Well
<input type="checkbox"/> Modification/Repair
<input type="checkbox"/> Deepen
<input type="checkbox"/> Other _____
<input type="checkbox"/> Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses
<input type="checkbox"/> Water Supply
<input type="checkbox"/> Domestic <input type="checkbox"/> Public
<input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial
<input type="checkbox"/> Cathodic Protection
<input type="checkbox"/> Dewatering
<input type="checkbox"/> Heat Exchange
<input type="checkbox"/> Injection
<input checked="" type="checkbox"/> Monitoring
<input type="checkbox"/> Remediation
<input type="checkbox"/> Sparging
<input type="checkbox"/> Test Well
<input type="checkbox"/> Vapor Extraction
<input type="checkbox"/> Other _____

Water Level and Yield of Completed Well			
Depth to first water	<u>5</u>	(Feet below surface)	
Depth to Static	_____	_____	
Water Level	<u>5.46</u>	(Feet)	Date Measured <u>6-20-06</u>
Estimated Yield * <u>15.8</u>	(GPM)	Test Type _____	
Test Length _____	(Hours)	Total Drawdown _____	(Feet)
*May not be representative of a well's long term yield.			

Casings							
Depth from Surface	Borehole Diameter	Type	Material	Wall Thickness	Outside Diameter	Screen Type	Slot Size if Any
Feet to Feet	(Inches)			(Inches)	(Inches)		(Inches)
See boring log							

Annular Material		
Depth from Surface	Fill	Description
Feet to Feet		

Attachments
<input checked="" type="checkbox"/> Geologic Log
<input checked="" type="checkbox"/> Well Construction Diagram
<input type="checkbox"/> Geophysical Log(s)
<input type="checkbox"/> Soil/Water Chemical Analyses
<input checked="" type="checkbox"/> Other <u>Site Plan</u>
Attach additional information, if it exists.

Certification Statement				
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief				
Name	<u>WOODWARD DRILLING CO.</u>			
Person, Firm or Corporation	<u>P.O. Box 336</u>			
Address	<u>RIO VISTA</u>	<u>CA</u>	<u>94571</u>	
	City	State	Zip	
Signed	<u>Tanner Jarrold For WDC</u>		<u>8/16/06</u>	<u>710079</u>
C-57 Licensed Water Well Contractor	Date Signed	C-57 License Number		

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File Original with DWR

State of California

Well Completion Report

Refer to Instruction Pamphlet
No. e038300

Page 6 of 6
Owner's Well Number MW-6
Date Work Began 3-24-06 Date Work Ended 3-28-06
Local Permit Agency Alameda County Public Works
Permit Number W2006-0207 Permit Date 3-17-06

DWR Use Only - Do Not Fill In

State Well Number/Site Number

Latitude Longitude

APN/TRS/Other

Geologic Log	
Orientation	<input type="radio"/> Vertical <input type="radio"/> Horizontal <input type="radio"/> Angle Specify _____
Drilling Method	Drilling Fluid _____
Depth from Surface	Description
Feet to Feet	Describe material, grain size, color, etc
	See boring logs

Total Depth of Boring _____ Feet
Total Depth of Completed Well _____ Feet

Well Owner	
Name	<u>Cincoron Engr. Management Co.</u>
Mailing Address	<u>PO Box 6012</u>
City	<u>San Ramon</u> State <u>CA</u> zip <u>94583</u>

Well Location	
Address	<u>5815 Market St</u>
City	<u>Dakland</u> County <u>Alameda</u>
Latitude	Deg. Min. Sec. N Longitude Deg. Min. Sec. W
Datum	Decimal Lat. _____ Decimal Long. _____
APN Book	Page _____ Parcel _____
Township	Range _____ Section _____

Location Sketch	
(Sketch must be drawn by hand after form is printed.)	
North	
See site plan	
South	

West East

Activity
<input checked="" type="radio"/> New Well
<input checked="" type="radio"/> Modification/Repair
<input type="radio"/> Deepen
<input type="radio"/> Other
<input type="radio"/> Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses	
<input type="radio"/> Water Supply	<input type="checkbox"/> Domestic <input type="checkbox"/> Public
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Industrial
<input type="radio"/> Cathodic Protection	
<input type="radio"/> Dewatering	
<input type="radio"/> Heat Exchange	
<input type="radio"/> Injection	
<input checked="" type="radio"/> Monitoring	
<input checked="" type="radio"/> Remediation	
<input type="radio"/> Sparging	
<input type="radio"/> Test Well	
<input type="radio"/> Vapor Extraction	
<input type="radio"/> Other	

Water Level and Yield of Completed Well			
Depth to first water	<u>5</u>	(Feet below surface)	
Depth to Static			
Water Level	<u>4.54</u>	(Feet)	Date Measured <u>6-20-06</u>
Estimated Yield *	<u>16.5</u>	(GPM)	Test Type _____
Test Length		(Hours)	Total Drawdown _____ (Feet)
*May not be representative of a well's long term yield.			

Casings							
Depth from Surface	Borehole Diameter	Type	Material	Wall Thickness	Outside Diameter	Screen Type	Slot Size if Any
Feet to Feet	(Inches)			(Inches)	(Inches)		(Inches)
			See boring logs				

Annular Material		
Depth from Surface	Fill	Description
Feet to Feet		

Attachments	
<input checked="" type="checkbox"/> Geologic Log	
<input checked="" type="checkbox"/> Well Construction Diagram	
<input type="checkbox"/> Geophysical Log(s)	
<input type="checkbox"/> Soil/Water Chemical Analyses	
<input checked="" type="checkbox"/> Other <u>Site Plan</u>	

Certification Statement	
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief	
Name	<u>WOODWARD DRILLING CO.</u>
Person, Firm or Corporation	
Address	<u>P.O. Box 336 Rio Vista</u>
City	<u>CA 94571</u>
State	
Zip	
Signed	<u>[Signature]</u> <u>WDC</u> <u>8/16/06</u> <u>710079</u>
C-57 Licensed Water Well Contractor	Date Signed C-57 License Number



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	Chevron Products Company	BORING/WELL NAME	MW-1
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	71.66 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	71.66 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)
REVIEWED BY	L. Genin	DEPTH TO WATER (Static)	NA
REMARKS	Hand Augered to 8 fbg.		

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>Portland Type I/II Cement</p> <p>Bentonite Seal</p> <p>Monterey Sand #2/12 2" diam., 0.020" Slotted Schedule 40 PVC</p> <p>Monterey Sand #2/12 Bottom of Boring @ 16 fbg</p>
				1.0			Baserock	1.0	
							Clayey SILT: Dark gray with black mottling (5Y 4/1); 55% silt, 45% clay; high plasticity; wet; low estimated permeability.		
155		MW-1 @ 5		5	ML		@ 5 fbg change in coloration to gray (5Y 5/1); trace coarse sand present.		
	5 7 11								
0	4 6 9 10 3 6 8	MW-1 @ 9.5		10	SM		@ 9.5 fbg change in coloration to olive gray with brown mottling (5Y 4/2); very stiff.		
							Silty SAND: Dark yellowish brown with gray mottling, red oxidation stains and black coarse sand (10YR 4/6); 50% sand, 30% silt, 15% angular gravel (0.75"), 5% clay; no plasticity; medium dense; moist; moderate estimated permeability.	10.5	
	10 5 9						Sandy SILT with Clay: Yellowish brown with orange staining and black fine sand (10YR 5/6); 50% silt, 30% sand, 15% clay, 5% angular gravel (0.75"); moderate plasticity; moist; moderate permeability.	12.0	
14	14 22	MW-1 @ 15		15	ML		@ 13.5 fbg change in coloration to pale olive (5Y 6/3).	16.0	

WELL LOG (PID) I:\306799 JIMMIES HOUSE OF SPARKLES\GINT\MW-1-6_SBS-9.GPJ DEFAULT.GDT 4/20/06



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BORING/WELL LOG

CLIENT NAME	Chevron Products Company	BORING/WELL NAME	MW-2
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	72.18 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	72.18 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)
REVIEWED BY	L. Genin	DEPTH TO WATER (Static)	NA
REMARKS	Hand Augered to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
						Asphalt Baserock	0.5	<p>Portland Type I/II Cement Bentonite Seal</p> <p>Monterey Sand #2/12 2"-diam., 0.020" Slotted Schedule 40 PVC</p> <p>Bottom of Boring @ 14 fbg</p>
						Clayey SILT: Black (2.5Y 5/2); 60% silt, 35% clay, 5% coarse sand; moderate plasticity; dry; low estimated permeability.	1.0	
2		MW-2 @ 5	5	ML		@ 4 fbg change in coloration to olive gray (5Y 5/2); increase in coarse sand.		
0	3 6 9 12 5 7 8 14 4 3 5 6	MW-2 @ 9.5	10			@ 8 fbg orange staining due to oxidation present; stiff. @ 9.5 fbg change in coloration to dark grayish brown (2.5Y 4/2); very stiff.		
0		MW-2 @ 13.5	14.0			@ 13.5 fbg change in coloration to gray brown (2.5Y 5.2); black fine sand present; stiff.	14.0	

WELL LOG (PID), I:\306799 JIMMIES HOUSE OF SPARKLES\GINT\MW-1-6_SBS-9 GP-J_DEFAULT.GDT 4/20/06



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BORING/WELL LOG

CLIENT NAME	Chevron Products Company	BORING/WELL NAME	MW-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	72.32 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	72.32 ft above msl
BORING DIAMETER	8"	SCREENED INTERVALS	4 to 14 fbg
LOGGED BY	L. Pascale	DEPTH TO WATER (First Encountered)	5.0 fbg (27-Mar-06)
REVIEWED BY	L. Genin	DEPTH TO WATER (Static)	NA
REMARKS	Hand Augered to 8 fbg.		

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>Portland Type I/II Cement</p> <p>Bentonite Seal</p>
				1.0			Baserock	1.0	
				1.5	ML		Clayey SILT with Sand: Black (2.5Y 2/0); 50% silt, 30% clay, 20% coarse sand; moderate to high plasticity; dry; low estimated permeability. Clayey SILT: Gray (5Y 5/1); 60% silt, 40% clay; high plasticity; stiff; dry; low estimated permeability.	1.5	
0		MW-3 @ 5		5	ML			5	<p>Monterey Sand #2/12 2"-diam., 0.020" Slotted Schedule 40 PVC</p>
38	5 10 11 19 4 10 13 15	MW-3 @ 9.5		10	ML		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 permeability.	9.0	
1	2 4 4 5 2 3 4 6	MW-3 @ 15		15	ML		SILT with Clay: Yellowish brown (10 YR 5.4); 80% silt, 15% clay, 5% fine sand; high plasticity; stiff; dry; low estimated permeability.	12.0	
				16.0				16.0	<p>Monterey Sand #2/12</p> <p>Bottom of Boring @ 16 fbg</p>

WELL LOG (PID) 1\306799 JIMMIES HOUSE OF SPARKLES\GINT\MW-1-6_SB5-9.GPJ DEFAULT.GDT 4/20/06



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BORING/WELL LOG

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)
REVIEWED BY	L. Genin	DEPTH TO WATER (Static)	NA
REMARKS	Hand Augered to 8 fbg.		

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>Portland Type I/II Cement Bentonite Seal Monterey Sand #2/12 2"-diam., 0.020" Slotted Schedule 40 PVC Monterey Sand #2/12 Bottom of Boring @ 16 fbg</p>
				1.0			Baserock	1.0	
				5.0	ML		Clayey SILT: Black (2.5Y 2/0); 50% silt, 35% clay, 10% coarse sand, 5% trace gravel (0.75"); moderate to high plasticity; dry; low estimated permeability. @ 3 fbg brown/orange staining due to oxidation present.	5.0	
3		MW-4 @ 5		5	ML		Clayey SILT with Sand: Olive gray (5Y 5/2); 45% silt, 40% clay, 15% coarse sand; moderate to high plasticity; dry; low estimated permeability.		
	3 5 8 10 3			10	ML			10.5	
1		MW-4 @ 10.5		10.5	ML		Clayey SILT: Olive gray with brown mottling (5Y 5/2); 70% silt, 20% clay, 10% black coarse sand; moderate plasticity; stiff; dry; low estimated permeability.		
	9 8 5 10 12 17 5 10			12.0	ML		Sandy SILT with Clay: Olive gray with red/orange staining (5Y 5/2); 50% silt, 30% black coarse sand, 15% clay, 5% trace gravel (0.75"); moderate plasticity; stiff; dry; moderate estimated permeability.		
	15 15 22			15.0	ML			15.0	
14		MW-4 @ 15		15	SC		Clayey SAND with Silt: Brown with orange, black, and gray mottling (10YR 4/4); 40% coarse sand, 30% clay, 20% silt, 10% angular gravel (0.75"); no plasticity; medium dense; dry; low estimated permeability.	16.0	

WELL LOG (PID): I:\306799 JIMMIES HOUSE OF SPARKLES\GINT\MW-1.6_S85-9.GPJ DEFAULT.GDT 4/20/06



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

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 above msl
BORING DIAMETER	8"	SCREENED INTERVALS	4 to 14 fbg
LOGGED BY	L. Pascale	DEPTH TO WATER (First Encountered)	5.0 fbg (23-Mar-06)
REVIEWED BY	L. Genin	DEPTH TO WATER (Static)	NA
REMARKS	Hand Augered to 8 fbg.		

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>Portland Type I/II Cement</p> <p>Bentonite Seal</p> <p>Monterey Sand #2/12 2"-diam., 0.020" Slotted Schedule 40 PVC</p> <p>Monterey Sand #2/12 Bottom of Boring @ 16 fbg</p>
				1.0			Basereck	1.0	
				5.0	ML		Clayey SILT: Brown (10YR 5/3); 60% silt, 30% clay, 10% coarse sand; moderate to high plasticity; wet; low estimated permeability. @ 3 fbg change in coloration to dark olive gray (5Y 3/2).	5.0	
320		MW-5 @ 5		5	ML		Clayey SILT with Sand: Olive gray (5Y 5/2); 45% silt, 40% clay, 15% coarse sand; moderate to high plasticity; wet; low estimated permeability.	5.0	
0	3 5 10 16 5	MW-5 @ 9.5		10			@ 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.	10.0	
0	10 12 14 4 8 7 3 9			15	SC		@ 13 fbg change in coloration to brown to dark brown (7.5YR 4/4); wet. @ 15 fbg change in coloration to dark yellowish brown (10YR 4/4); dense.	16.0	
0	11 23	MW-5 @ 15		15				16.0	

WELL LOG (PID) 1306799 JIMMIES HOUSE OF SPARKLES INT MW-1-6 SB5-9 GPJ DEFAULT.GDT 4/20/06



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

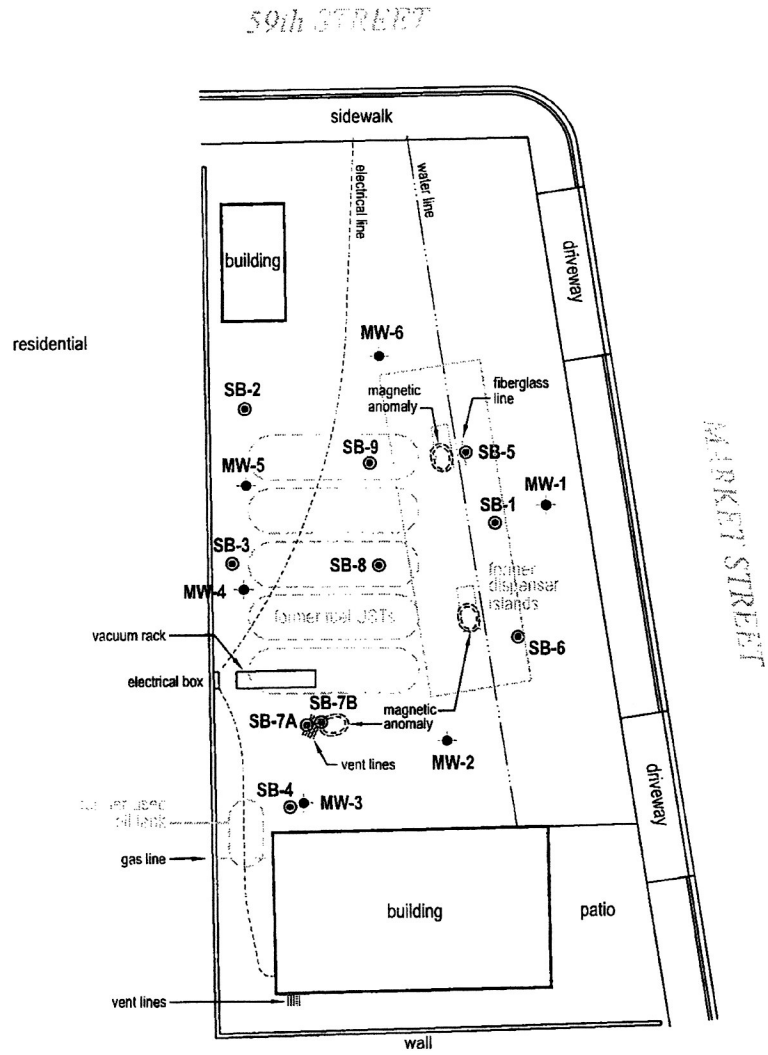
BORING/WELL LOG

CLIENT NAME	Chevron Products Company	BORING/WELL NAME	MW-6
JOB/SITE NAME	30-6799	DRILLING STARTED	24-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	71.35 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	71.35 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) ▽
REVIEWED BY	L. Genin	DEPTH TO WATER (Static)	NA ▼
REMARKS	Hand Augered to 8 fbg.		

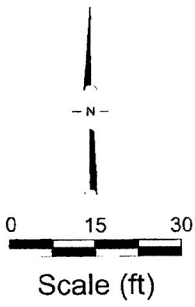
PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
						Asphalt Baserock	0.5 1.0	Portland Type I/II Cement Bentonite Seal
97		MW-6 @ 5	5	ML		@ 8 fbg change in coloration to olive gray (5Y 5/2); very stiff.	▽	Monterey Sand #2/12 2"-diam., 0.020" Slotted Schedule 40 PVC
0.2	5 7 11 15 4 6 9 10 3 6 8 10 5 9 14 22	MW-6 @ 9.5	10					
0		MW-6 @ 15	15	SC ML		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. 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; moist; low estimated permeability.	14.0 15.0 16.0	Monterey Sand #2/12 Bottom of Boring @ 16 fbg

WELL LOG (PID): I:\306799 JIMMIES HOUSE OF SPARKLES\GINT\MW-1-6_SBS-9.GPJ DEFAULT.GDT 4/20/06

EXPLANATION	
MW-1	Monitoring well location
SB-1	Soil boring location



1:306799 JIMMIES HOUSE OF SPARKLES\FIGURES\30-6799_SITEPLAN.DWG



FIGURE

2

Former Texaco Service Station

5815 Market Street
Oakland, California



C A M B R I A

Site Plan

Well Drillers Authorization Letter

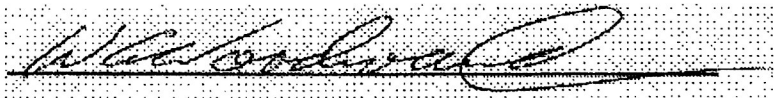
Site Name: FORMER TEXACO #306799
Site Address: 5815 MARKET STREET
City: OAKLAND, CA
Well Driller: Woodward Drilling Co., Inc
Drillers Address: P.O. Box 336
City, State, Zip: Rio Vista, CA 94571
Drillers Phone #: (707) 374 - 4300
C-57 License #: 710079 Exp. Date 7/31/2007

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: