



**CONESTOGA-ROVERS
& ASSOCIATES**

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Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: March 9, 2011 REFERENCE NO.: 240503
PROJECT NAME: 6039 College Avenue, Oakland

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

RECEIVED

3:31 pm, Mar 11, 2011
Alameda County
Environmental Health

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 contents of this document, please call Peter Schaefer at (510) 420-3319.

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Russell J. Bruzzone, Inc., c/o Joan Bruzzone, 899 Hope Lane, Lafayette, CA 94549
Montrose Investment Co., Attn: Jim Graham, 242 Rivera Circle, Greenbrae Marina,
Larkspur, CA 94939
SF Data Room (electronic copy)

Completed by: Peter Schaefer Signed: *Ambrey Coul*

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
6039 College Avenue
Oakland, California
SAP Code 135685
Incident No. 98995745
ACEH Case No. RO0000469

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 Brown", is written below the word "Sincerely,".

Denis L. Brown
Senior Program Manager



WELL DESTRUCTION WORK PLAN

**SHELL-BRANDED SERVICE STATION
6039 COLLEGE AVENUE
OAKLAND, CALIFORNIA**

**SAP CODE 135685
INCIDENT NO. 98995745
AGENCY NO. RO0000469**

**MARCH 9, 2011
REF. NO. 240503 (11)**
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) January 21, 2011 letter.

The site is a Shell-branded service station located on the southern corner of College Avenue and Claremont Avenue in Oakland, California (Figure 1). Currently, the site layout consists of a station building, three underground storage tanks, and two dispenser islands (Figure 2). The area surrounding the site is of mixed commercial and residential use.

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 Oakland.

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 DESTRUCTION

CRA proposes to properly destroy seven monitoring wells (MW-1 through MW-7), and six soil vapor probes (SVP-1 through SVP-6). 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 with concrete to match the surrounding grade. CRA includes the well 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.

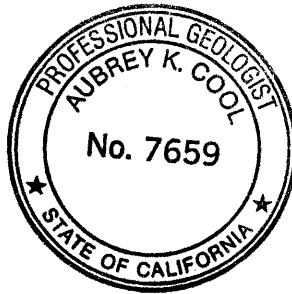
3.0 SCHEDULE

CRA will implement the well destructions upon receipt of the appropriate permits. The work is tentatively scheduled for March 15 through 18, 2011, and CRA will provide ACEH a report detailing the well destructions by May 12, 2011.

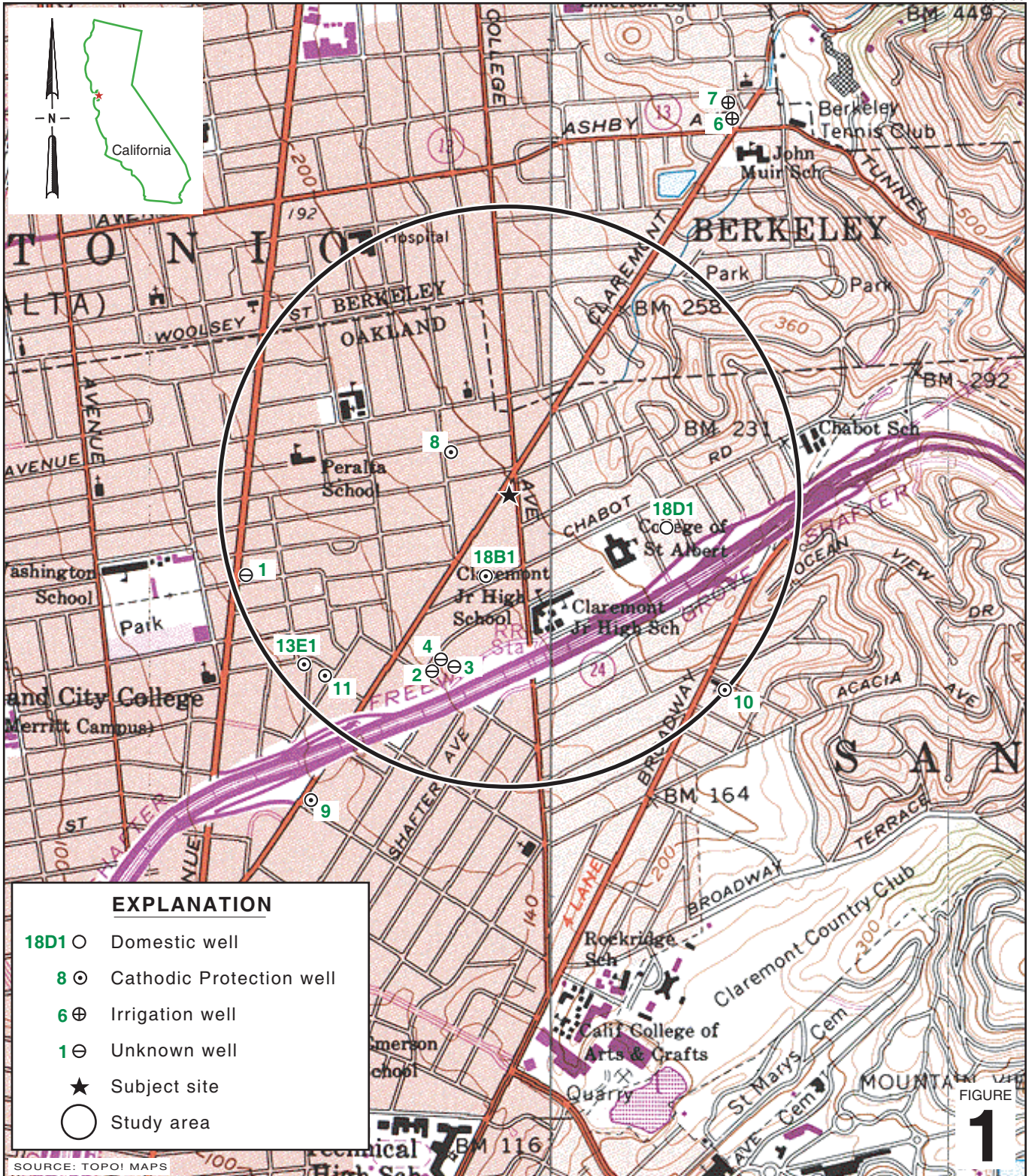
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Eric A. Schaefer for
Peter Schaefer, CEG, CHG

Aubrey K Cool
Aubrey K. Cool, PG



FIGURES



I:\Shell\6-chars\2405--\240503-Oakland 6039 College\240503-FIGURES\240503 VICINITY.A1

| EXPLANATION | |
|-------------|--------------------------|
| 18D1 ○ | Domestic well |
| 8 ⊙ | Catholic Protection well |
| 6 ⊕ | Irrigation well |
| 1 ⊖ | Unknown well |
| ★ | Subject site |
| ○ | Study area |

SOURCE: TOPOI MAPS

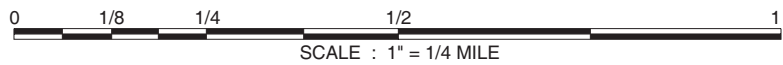


FIGURE 1

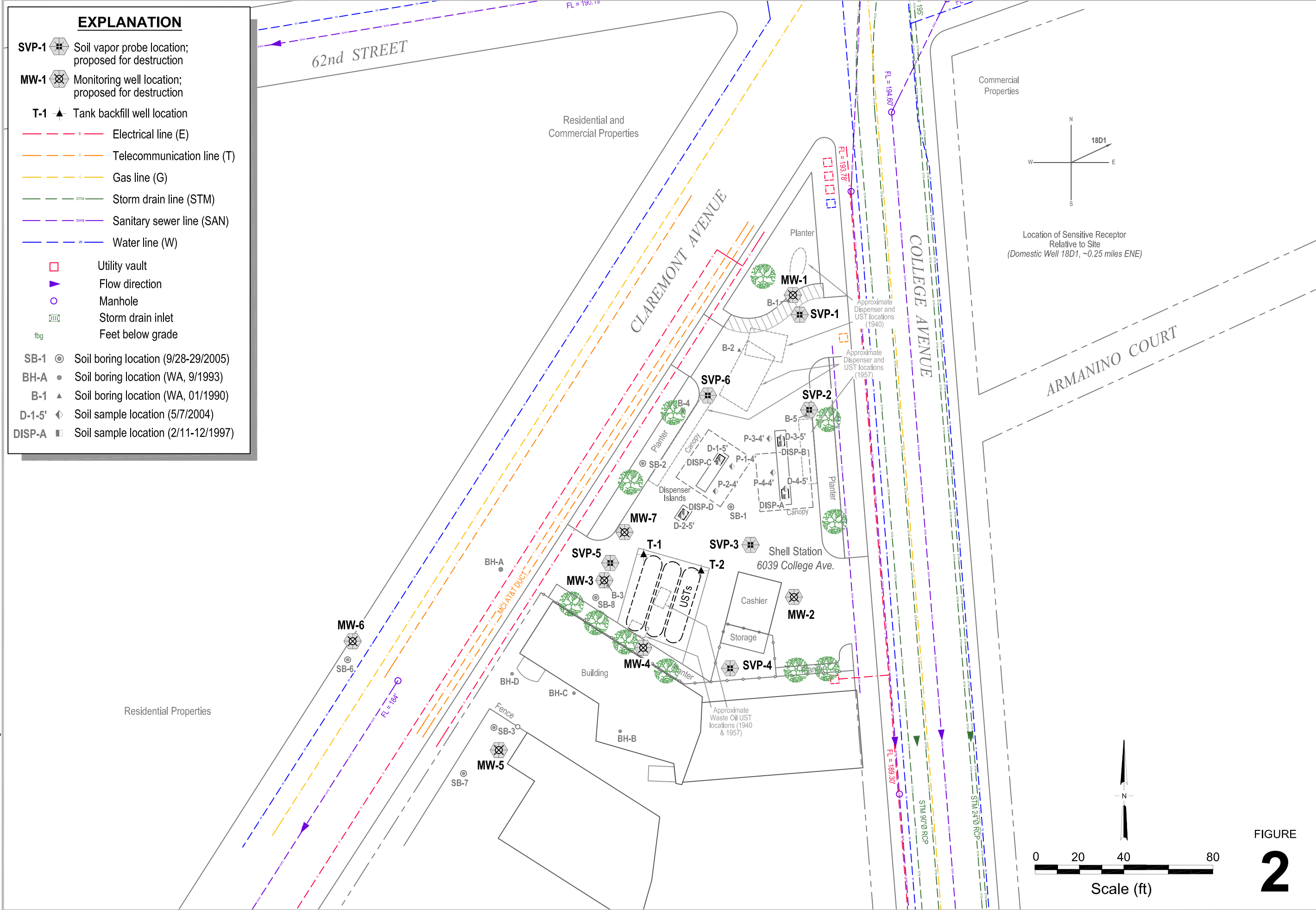
Shell-branded Service Station
 6039 College Avenue
 Oakland, California



**CONESTOGA-ROVERS
 & ASSOCIATES**

Vicinity Map

I:\Shell\6-chars\2405--\240503-Oakland 6039 College\240503-FIGURES\240503 SITE PLAN.DWG



Shell-branded Service Station
6039 College Avenue
Oakland, California

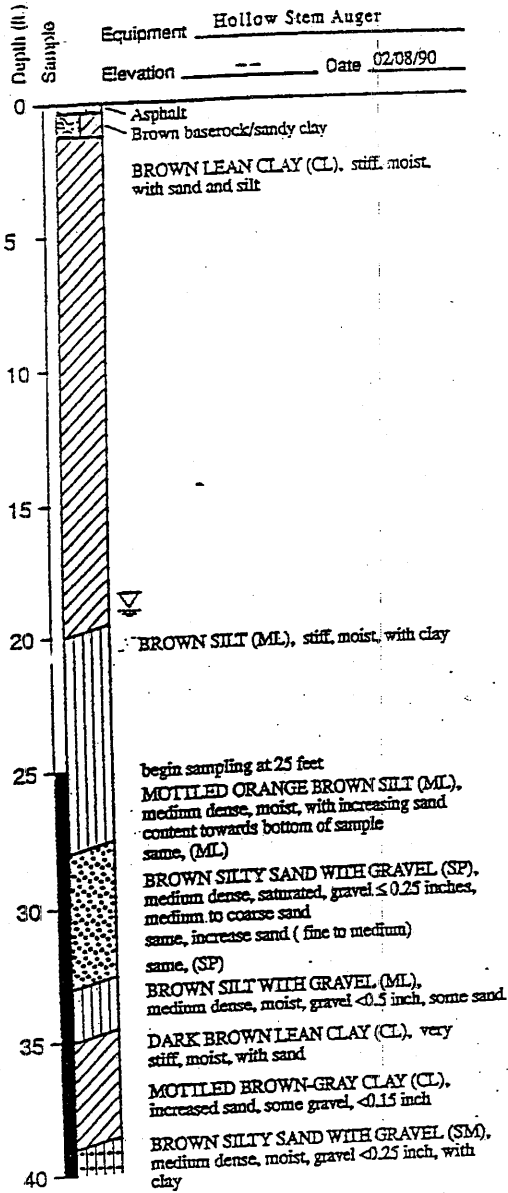
FIGURE
2

APPENDIX A

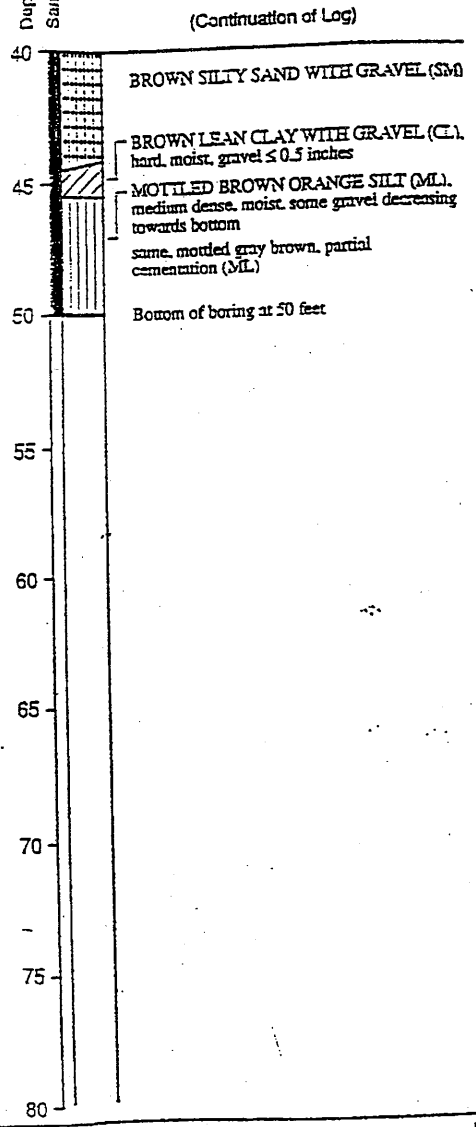
WELL LOGS

samples obtained from 0-25 feet
Log of Boring B-1)

| Blows | Photo Ionization Detector (ppm) 11Nu | Gasoline Odor |
|-------|--------------------------------------|---------------|
| 22 | 0 | none |
| 14 | 0 | none |
| 24 | 0 | none |
| 29 | 0 | none |
| 16 | 0 | none |
| 25 | 0 | none |
| 29 | 0 | none |
| 21 | 0 | none |
| 26 | 0 | none |



| Blows/foot | Photo Ionization Detector (ppm) 11Nu | Well Screen Interval | Gasoline Odor |
|------------|--------------------------------------|----------------------|---------------|
| 29 | 0 | | none |
| 32 | 0 | | none |
| 42 | 0 | | none |
| 48 | 0 | | |
| 15 | 0 | | |
| 31 | 0 | | |



Harding Lawson Associates
Engineering and Environmental Services

DRAWN S. Patel
JOB NUMBER 4022.233.03
APPROVED *MJP*

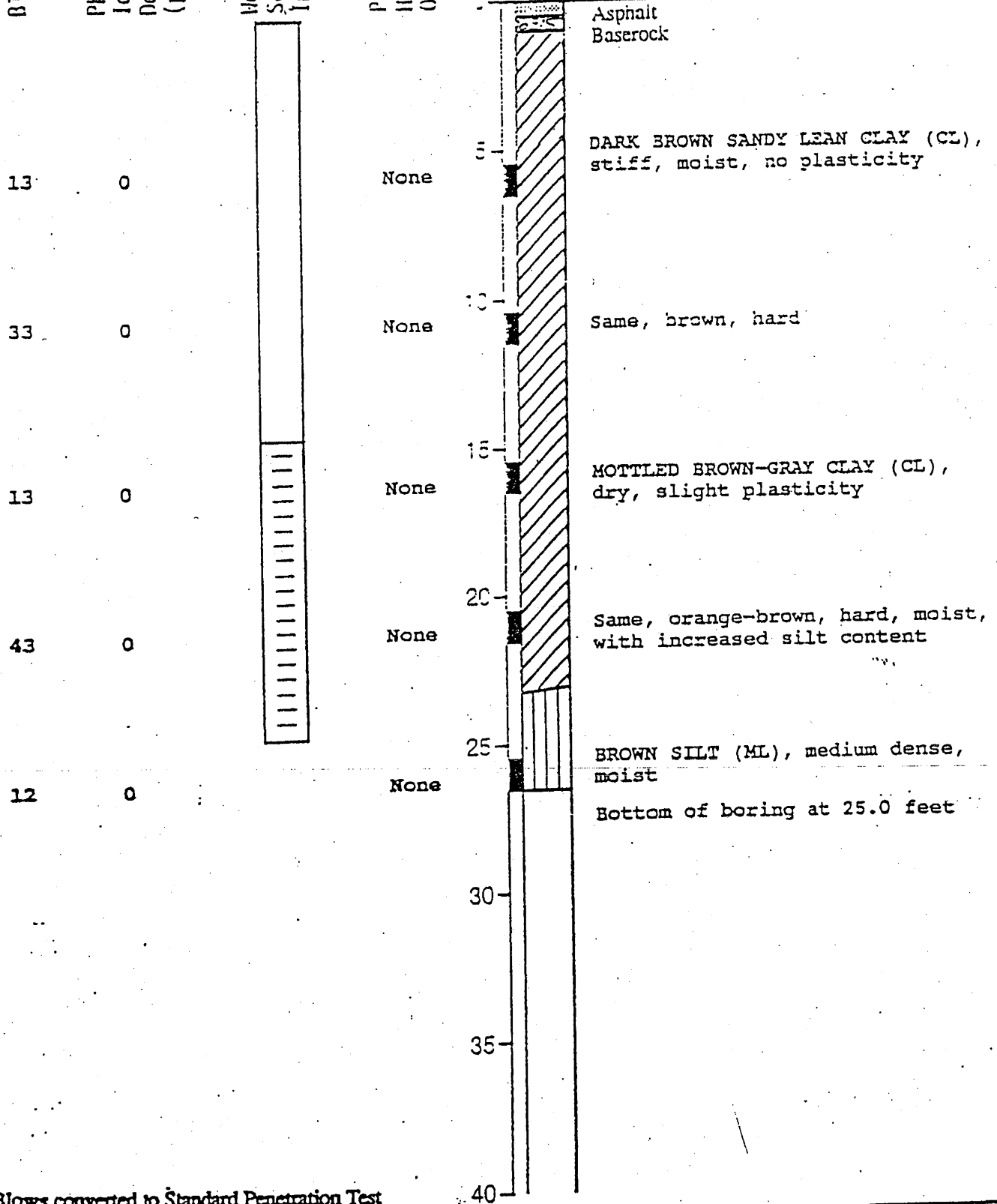
Log of Boring MW-1
Shell Service Station
6039 College Avenue
Oakland, California

B-7

DATE 10/10/91
REVISED DATE

Blows converted to Standard Penetration Test

Blows/foot* Photo Ionization Detector (ppm) Well Screen Interval Petroleum Hydrocarbon Odor Sample Equipment Hollow Stem Auger
 Elevation Date 02/08/90



* Blows converted to Standard Penetration Test



Harding Lawson Associates
 Engineers and Geoscientists

Log of Boring MW-2
 Shell Service Station
 6039 College Avenue
 Oakland, California

PLATE

B-8

DRAWN
YF

JOB NUMBER
4022.233.03

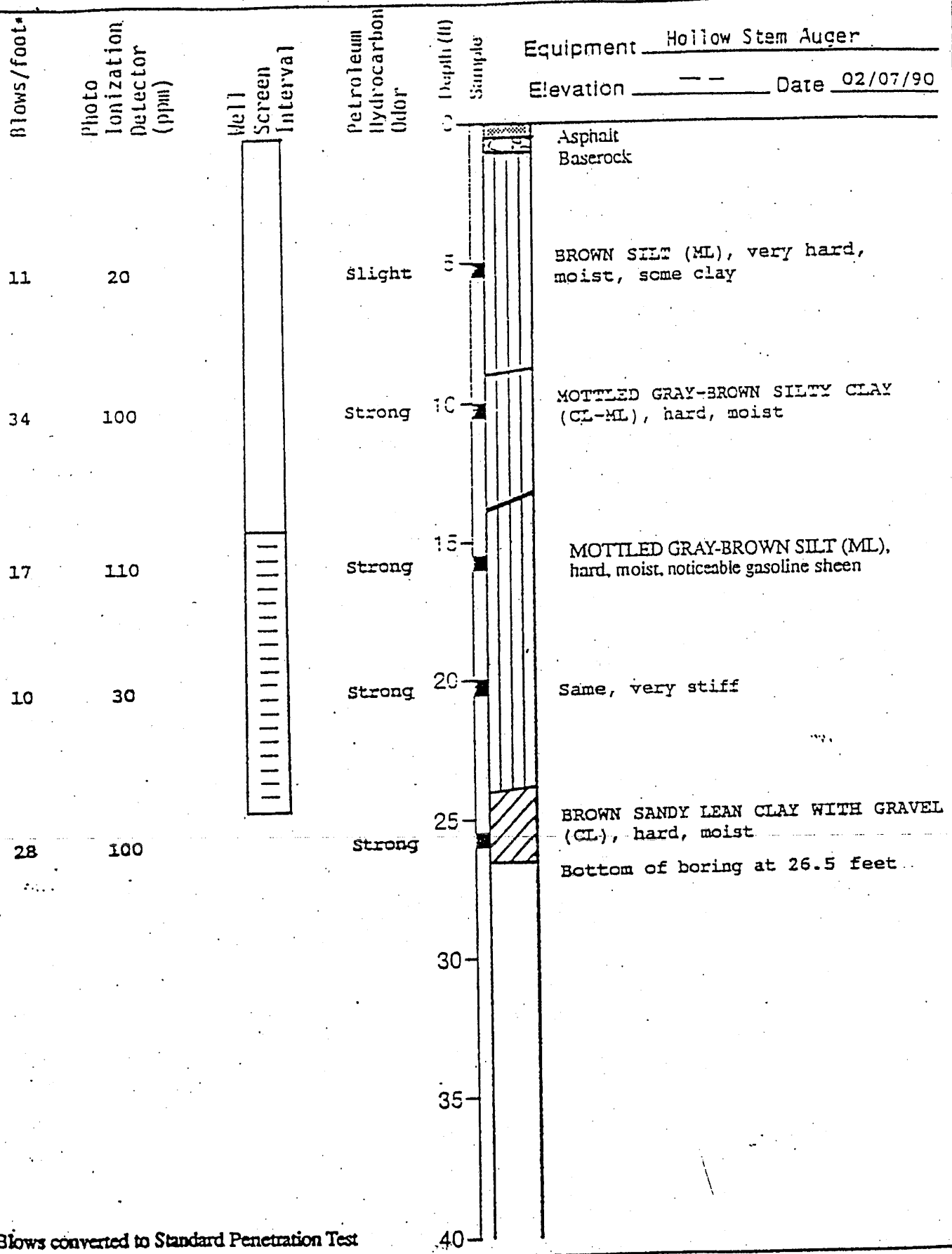
APPROVED
[Signature]

DATE
10/10/91

REVISED

DATE

Equipment Hollow Stem Auger
 Elevation Date 02/07/90



* Blows converted to Standard Penetration Test



Harding Lawson Associates
 Engineers and Geoscientists

Log of Boring MW-3
 Shell Service Station
 6039 College Avenue
 Oakland, California

PLATE

B-9

DRAWN
 VC

JOB NUMBER
 4022 233 03

APPROVED
[Signature]

DATE
 10/10/91

REVISED

DATE

Blows/foot*

Photo Ionization Detector (ppm)

Well Screen Interval

Petroleum Hydrocarbon Odor

Depth (ft) Sample

Equipment Hollow Stem Auger

Elevation Date 02/07/90

33

0

None

0

BROWN SILT WITH GRAVEL (ML), hard, dry, gravel to 1.5-inch diameter

44

0

None

10

BROWN LEAN CLAY (CL), hard, moist, some black mottling, some silt

14

150

Strong

15

GREENISH-BROWN SILT (ML), hard, moist, slight plasticity

69

200

strong

20

GRAY SILT (ML), stiff, saturated, noticeable separate phase product

BROWN LEAN CLAY (CL), hard, moist

23

10

Slight

25

Same, some gravel to 1.5-inch

Bottom of boring at 26.5 feet

30

35

40

* Blows converted to Standard Penetration Test



Harding Lawson Associates
Engineers and Geoscientists

Log of Boring MW-4
Shell Service Station
6039 College Avenue
Oakland, California

PLATE
B-10

DRAWN
YC

JOB NUMBER
4022,233.03

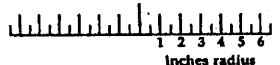
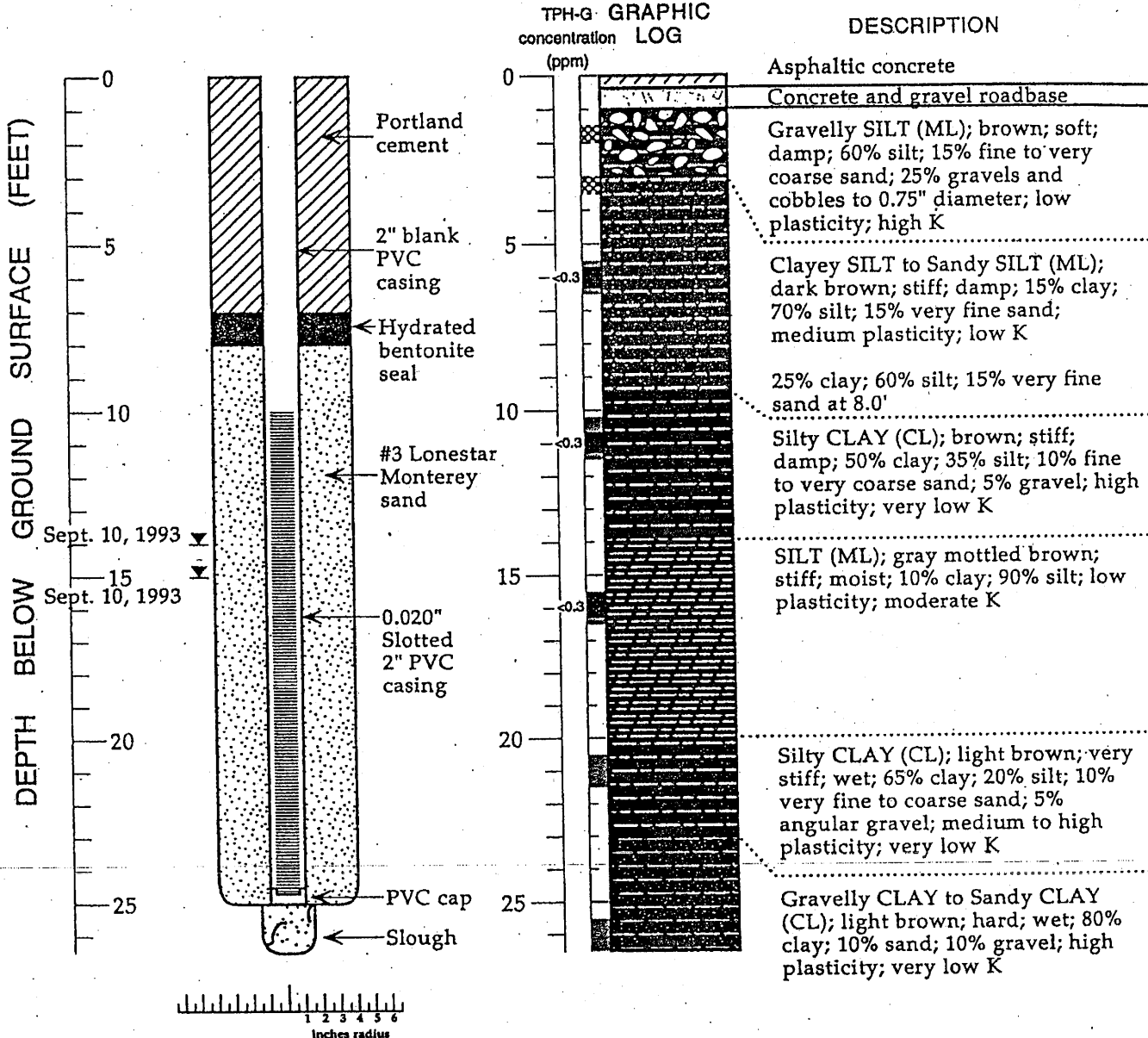
SPECIFIED
[Signature]

DATE
10/10/91

REVISED

DATE

WELL MW-6 (BH-E)



EXPLANATION

| | |
|---|--|
| <ul style="list-style-type: none"> ▼ 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 | <ul style="list-style-type: none"> Logged By: David C. Elias/Jeni C. Martin Supervisor: N. Scott MacLeod; RG 5747 Drilling Company: Soils Exploration Services, Vacaville, CA License Number: C57-582696 Driller: Gene Bernard Drilling Method: Hollow-stem auger Date Drilled: September 10, 1993 Well Head Completion: 2" locking well-plug, traffic-rated vault Type of Sampler: Split spoon (2" ID) Ground Surface Elevation: 189.3 feet above mean sea level TPH-G: Total petroleum hydrocarbons as gasoline in soil by modified EPA Method 8015 |
|---|--|

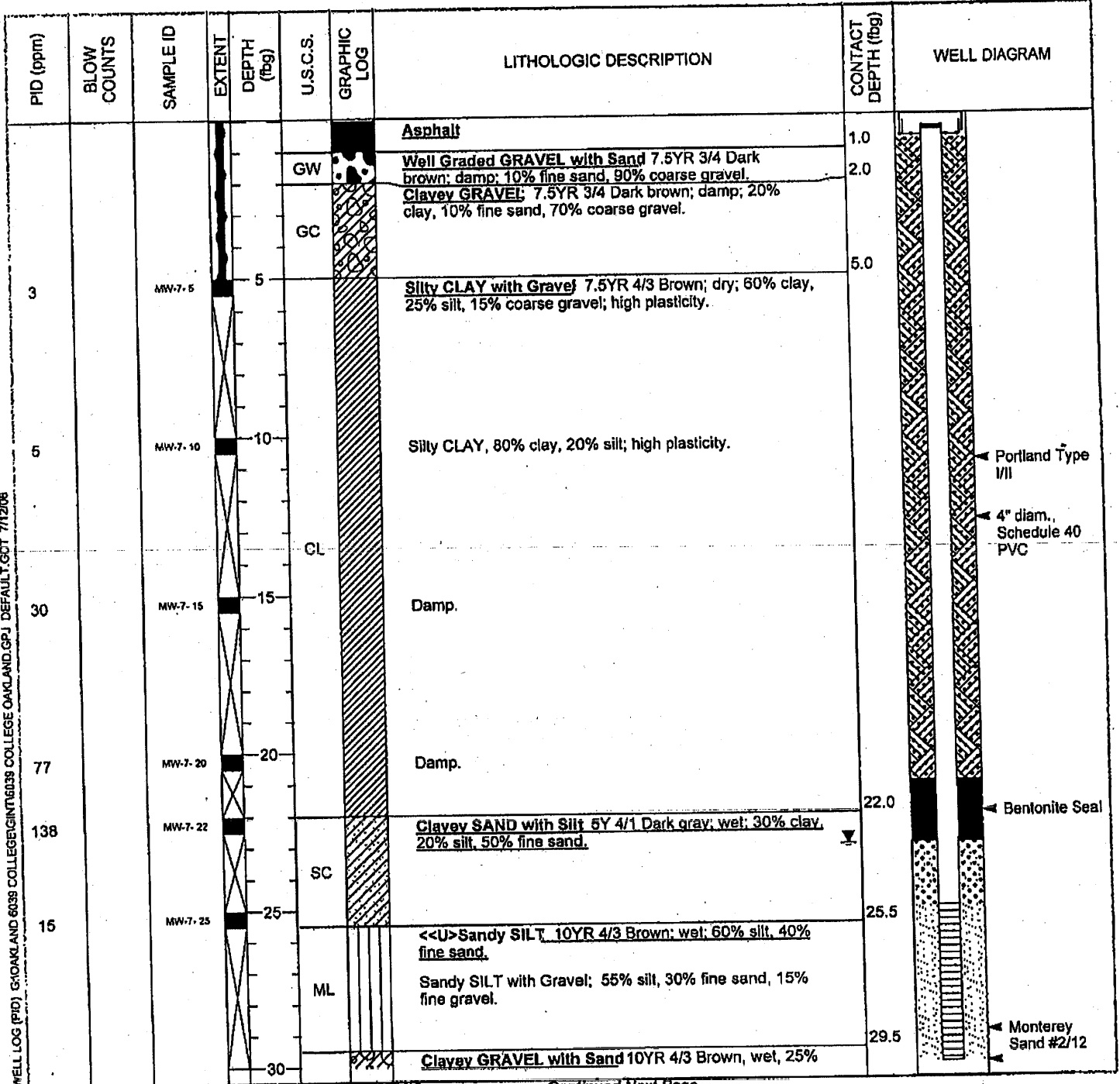
Boring Log and Well Construction Details - Well MW-6 (BH-E) - Shell Service Station WIC #204-5508-3301, 6039 College Avenue, Oakland, California



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

BORING/WELL LOG

| | | | |
|-----------------|-------------------------------|------------------------------------|-------------------------|
| CLIENT NAME | Shell Oil Products US | BORING/WELL NAME | MW-7 |
| JOB/SITE NAME | Shell-branded Service Station | DRILLING STARTED | 16-May-06 |
| LOCATION | 6039 College Avenue, Oakland | DRILLING COMPLETED | 16-May-06 |
| PROJECT NUMBER | 247-0503-006 | WELL DEVELOPMENT DATE (YIELD) | NA |
| DRILLER | Gregg Drilling | GROUND SURFACE ELEVATION | 197.90 ft above msl |
| DRILLING METHOD | Hollow-stem auger | TOP OF CASING ELEVATION | 197.44 ft above msl |
| BORING DIAMETER | 10" | SCREENED INTERVALS | 25 to 35 fbg |
| LOGGED BY | Stewart Dalle | DEPTH TO WATER (First Encountered) | 23.0 fbg (16-May-06) ▽ |
| REVIEWED BY | David Gibbs | DEPTH TO WATER (Static) | 23.00 fbg (16-May-06) ▽ |
| REMARKS | Air knifed to 5 fbg. | | |



WELL LOG (PID) GROAKLAND 6039 COLLEGE OAKLAND.GPJ DEFAULT.GCT 7/12/06

Continued Next Page



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 Emeryville, CA 94608
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 Fax: 510-420-9170

BORING/WELL LOG

| | | | |
|---------------|-------------------------------|--------------------|-----------|
| CLIENT NAME | Shell Oil Products US | BORING/WELL NAME | MW-7 |
| JOB/SITE NAME | Shell-branded Service Station | DRILLING STARTED | 16-May-06 |
| LOCATION | 6039 College Avenue, Oakland | DRILLING COMPLETED | 16-May-06 |

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 |
|-----------|-------------|-----------|--------|------------|----------|-------------|---|--------------------|---|
| 9.1 | | MW-7-30 | | | GC | | clay, 15% coarse sand, 80% fine gravel. | 33.0 | <p>4"-diam., 0.010" Slotted Schedule 40 PVC</p> <p>← Bentonite Seal Bottom of Boring @ 36 ftg</p> |
| 0 | | MW-7-35 | | 35 | CL | | Silty CLAY, 10YR 4/3 Brown; wet; 70% clay, 20% silt, 5% fine sand. | 36.0 | |

WELL LOG (PID) G:\OAKLAND\6039 COLLEGE\GINT\6039 COLLEGE OAKLAND.GPJ DEFAULT.GDT 7/12/06



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 Fax: 510-420-9170

BORING / WELL LOG

| | | | |
|-----------------|-------------------------------|------------------------------------|------------------|
| CLIENT NAME | Shell Oil Products US | BORING/WELL NAME | SVP-1 |
| JOB/SITE NAME | Shell-branded Service Station | DRILLING STARTED | 25-Feb-10 |
| LOCATION | 6039 College Avenue, Oakland | DRILLING COMPLETED | 25-Feb-10 |
| PROJECT NUMBER | 240503 | WELL DEVELOPMENT DATE (YIELD) | NA |
| DRILLER | Gregg Drilling | GROUND SURFACE ELEVATION | NA |
| DRILLING METHOD | Airknife | TOP OF CASING ELEVATION | NA |
| BORING DIAMETER | 3" | SCREENED INTERVALS | 4.67 to 4.75 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 6" well box 1/4" OD Teflon Tubing Portland Type III Bentonite Seal Monterey Sand Vapor Well Screen Bottom of Boring @ 5 fbg</p> |
| | | | | 5 | ML | | Sandy Silt with gravel; Brown (7.4YR 4/4); dry; 10% clay, 50% silt, 20% medium sand, 20% fine to coarse gravel; medium plasticity. | 5.0 | |

WELL LOG (PID) I:\SHELL\6-CHARS\2405-12449E9-16039CO-1.GPJ DEFAULT.GDT 4/9/10



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BORING / WELL LOG

| | | | |
|-----------------|-------------------------------|------------------------------------|------------------|
| CLIENT NAME | Shell Oil Products US | BORING/WELL NAME | SVP-2 |
| JOB/SITE NAME | Shell-branded Service Station | DRILLING STARTED | 25-Feb-10 |
| LOCATION | 6039 College Avenue, Oakland | DRILLING COMPLETED | 25-Feb-10 |
| PROJECT NUMBER | 240503 | WELL DEVELOPMENT DATE (YIELD) | NA |
| DRILLER | Gregg Drilling | GROUND SURFACE ELEVATION | NA |
| DRILLING METHOD | Airknife | TOP OF CASING ELEVATION | NA |
| BORING DIAMETER | 3" | SCREENED INTERVALS | 4.67 to 4.75 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 |
|-----------|-------------|-----------|--------|-------------|----------|-------------|--|---------------------|---|
| | | | | 5 | ML | | Asphalt Sandy Silt with gravel; Brown (7.4YR 4/4) ; dry; 10% clay, 50% silt, 20% medium sand, 20% fine to coarse gravel; medium plasticity. | 4.3 5.0 | <ul style="list-style-type: none"> Flush-grade 6" well box 1/4" OD Teflon Tubing Portland Type I/II Bentonite Seal Monterey Sand Vapor Well Screen Bottom of Boring @ 5 fbg |

WELL LOG (PID) H:SHELL16-CHARS2405-1240503-1244959-16039CO-1.GPJ DEFAULT.GDT 4/9/10



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

BORING / WELL LOG

| | | | |
|-----------------|-------------------------------|------------------------------------|------------------|
| CLIENT NAME | Shell Oil Products US | BORING/WELL NAME | SVP-3 |
| JOB/SITE NAME | Shell-branded Service Station | DRILLING STARTED | 26-Feb-10 |
| LOCATION | 6039 College Avenue, Oakland | DRILLING COMPLETED | 26-Feb-10 |
| PROJECT NUMBER | 240503 | WELL DEVELOPMENT DATE (YIELD) | NA |
| DRILLER | Gregg Drilling | GROUND SURFACE ELEVATION | NA |
| DRILLING METHOD | Airknife | TOP OF CASING ELEVATION | NA |
| BORING DIAMETER | 3" | SCREENED INTERVALS | 4.67 to 4.75 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 |
|-----------|-------------|-----------|--------------------|----------|-------------|--|---------------------|---|
| | | | | ML | | Asphalt Sandy Silt with gravel; Brown (7.4YR 4/4) ; dry; 10% clay, 50% silt, 20% medium sand, 20% fine to coarse gravel; medium plasticity. | 0.3 | <ul style="list-style-type: none"> Flush-grade 6" well box 1/4" OD Teflon Tubing Portland Type I/II Bentonite Seal Monterey Sand Vapor Well Screen |
| | | | 5 | | | | 5.0 | Bottom of Boring @ 5 fbg |

WELL LOG (PID) [SHELL] CHARS12405-1240503-12449E9-16039CO-1.GPJ DEFAULT.GDT 4/8/10



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BORING / WELL LOG

| | | | |
|-----------------|-------------------------------|------------------------------------|------------------|
| CLIENT NAME | Shell Oil Products US | BORING/WELL NAME | SVP-4 |
| JOB/SITE NAME | Shell-branded Service Station | DRILLING STARTED | 26-Feb-10 |
| LOCATION | 6039 College Avenue, Oakland | DRILLING COMPLETED | 26-Feb-10 |
| PROJECT NUMBER | 240503 | WELL DEVELOPMENT DATE (YIELD) | NA |
| DRILLER | Gregg Drilling | GROUND SURFACE ELEVATION | NA |
| DRILLING METHOD | Airknife | TOP OF CASING ELEVATION | NA |
| BORING DIAMETER | 3" | SCREENED INTERVALS | 4.67 to 4.75 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 |
|-----------|-------------|-----------|--------|-------------|----------|-------------|--|---------------------|---|
| | | | | 0.3 | | | Asphalt | 0.3 | <p>Flush-grade 6" well box 1/4" OD Teflon Tubing Portland Type III Bentonite Seal Monterey Sand Vapor Well Screen Bottom of Boring @ 5 fbg</p> |
| | | | | 5 | ML | | Sandy Silt with gravel; Brown (7.4YR 4/4); dry; 10% clay, 50% silt, 20% medium sand, 20% fine to coarse gravel; medium plasticity. | 5.0 | |



WELL LOG (PID) I:SHELL16-CHARS12405-1240503-12449E9-116039CO-1.GPJ DEFAULT.GDT 4/9/10


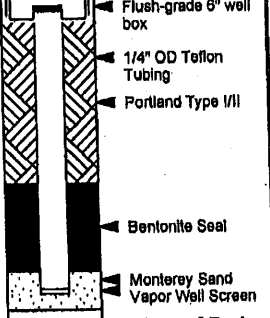


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BORING / WELL LOG

CLIENT NAME Shell Oil Products US
 JOB/SITE NAME Shell-branded Service Station
 LOCATION 6039 College Avenue, Oakland
 PROJECT NUMBER 240503
 DRILLER Gregg Drilling
 DRILLING METHOD Airknife
 BORING DIAMETER 3"
 LOGGED BY E. Swan
 REVIEWED BY P. Schaefer
 REMARKS _____

BORING/WELL NAME SVP-5
 DRILLING STARTED 25-Feb-10
 DRILLING COMPLETED 25-Feb-10
 WELL DEVELOPMENT DATE (YIELD) NA
 GROUND SURFACE ELEVATION NA
 TOP OF CASING ELEVATION NA
 SCREENED INTERVALS 4.67 to 4.75 fbg
 DEPTH TO WATER (First Encountered) NA 
 DEPTH TO WATER (Static) NA 

| PID (ppm) | BLOW COUNTS | SAMPLE ID | EXTENT | DEPTH (fbg) | U.S.C.S. | GRAPHIC LOG | LITHOLOGIC DESCRIPTION | CONTACT DEPTH (fbg) | WELL DIAGRAM |
|-----------|-------------|-----------|--------|-------------|----------|---|--|---------------------|---|
| | | | | 5 | ML |  | Asphalt Sandy Silt with gravel: Brown (7.4YR 4/4) ; dry; 10% clay, 50% silt, 20% medium sand, 20% fine to coarse gravel; medium plasticity. | 0.3 |  <ul style="list-style-type: none"> Flush-grade 6" well box 1/4" OD Teflon Tubing Portland Type I/II Bentonite Seal Monterey Sand Vapor Well Screen |
| | | | | | | | | 5.0 | Bottom of Boring @ 5 fbg |

WELL LOG (PID) I:\SHELL\6-CHARS\2405-1240503-12449E9-15039CO-1.GPJ DEFAULT.GDT 4/8/10



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

BORING / WELL LOG

| | | | |
|-----------------|-------------------------------|------------------------------------|------------------|
| CLIENT NAME | Shell Oil Products US | BORING/WELL NAME | SVP-6 |
| JOB/SITE NAME | Shell-branded Service Station | DRILLING STARTED | 25-Feb-10 |
| LOCATION | 6039 College Avenue, Oakland | DRILLING COMPLETED | 25-Feb-10 |
| PROJECT NUMBER | 240503 | WELL DEVELOPMENT DATE (YIELD) | NA |
| DRILLER | Gregg Drilling | GROUND SURFACE ELEVATION | NA |
| DRILLING METHOD | Airknife | TOP OF CASING ELEVATION | NA |
| BORING DIAMETER | 3" | SCREENED INTERVALS | 4.67 to 4.75 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 |
|-----------|-------------|-----------|--------|-------------|----------|-------------|---|---------------------|---|
| | | | | 0.3 | | | Asphalt | 0.3 | <p>Flush-grade 6" well box 1/4" OD tetlon tubing Portland Type III Bentonite Seal Monterey Sand Vapor Well Screen Bottom of Boring @ 5 fbg</p> |
| | | | | 5 | ML | | Sandy Silt with gravel: Brown (7.4YR 4/4) ; dry; 10% clay, 50% silt, 20% medium sand, 20% fine to coarse gravel; medium plasticity. | 5.0 | |

WELL LOG (PID) I:\SHELL\B-CHARS\2405-1240503-1\2449E9-16039CO-1.GPJ DEFAULT.GDT 4/9/10