

ExxonMobil
Refining and Supply Company
Downstream - Safety, Health & Environment
Environmental Remediation

2300 Clayton Road, Suite 1250
P O. Box 4032
Concord, CA 94524-4032
(925) 246-8768 Telephone
(925) 246-8798 Facsimile
dann.l.rouse@exxon.com

Darin L. Rouse
Senior Engineer
Environmental Remediation

ENVIRONMENTAL
PROTECTION

00 NOV 15 PM 5: 05

ExxonMobil
Refining & Supply

RO 2515
20 1083

November 3, 2000

Ms. Susan L. Hugo
Alameda County Health Care Services Agency
Environmental Health Division
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

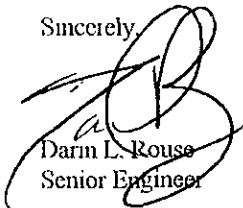
RE: Former Exxon RAS #7-0234/3450 35th Avenue, Oakland, California.

Dear Ms. Hugo:

Attached for your review and comment is a letter report entitled *Groundwater Monitoring Well Destruction*, dated October 30, 2000, for the above referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and documents the destruction of three groundwater monitoring wells at the subject site.

If you have any questions or comments, please contact me at (925) 246-8768.

Sincerely,

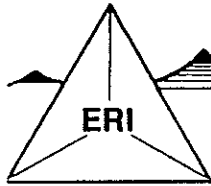


Darin L. Rouse
Senior Engineer

Attachment: ERI's Groundwater Monitoring Well Destruction, dated October 30, 2000.

cc: w/ attachment
Mr. Chuck Headlee, California Regional Water Quality Control Board, San Francisco Bay Region

cc: w/o attachment
Mr. James F. Chappell, Environmental Resolutions, Inc.



ENVIRONMENTAL RESOLUTIONS, INC.

October 30, 2000
ERI 247614.R02

Mr. Darin L. Rouse
ExxonMobil Refining and Supply
P. O. Box 4032
Concord, California 94524-4032

Subject: Groundwater Monitoring Well Destruction at Former Exxon Service Station 7-0234,
3450 35th Avenue, Oakland, California.

Mr. Rouse:

At the request of ExxonMobil Refining and Supply (formerly known as Exxon Company, U.S.A.) (ExxonMobil), Environmental Resolutions, Inc. (ERI) performs environmental activities at the subject site. This letter documents the destruction of three groundwater monitoring wells (MW1 through MW3) at the subject site. The location of the site is shown on the Site Vicinity Map (Plate 1). The locations of the destroyed wells are shown on the Generalized Site Plan (Plate 2).

ERI performed the field work in accordance with the well destruction permits issued by the Alameda County Public Works Agency, dated July 18, 2000 (Attachment A), and a site-specific Health and Safety Plan. Well construction logs are included as Attachment B.

On August 11, 2000, ERI observed Woodward Drilling Company, Inc. (Woodward) of Rio Vista, California, destroy the groundwater monitoring wells. ERI measured and recorded the total depth of the wells. The results of the well sounding are presented in Table 1. The wells were destroyed by drilling out the top two feet of casing, filter pack, and grout seal. The remaining casing was pressure-grouted with a cement-bentonite slurry from the total depth to two feet immediately below ground surface (bgs). The borehole was filled with concrete from two feet bgs to the ground surface.

Soil generated during the well destruction was collected, covered with visqueen, and stored on site. ERI collected a composite sample from the stockpiled soil and submitted the sample to Southern Petroleum Laboratories (SPL) for analysis of total extractable petroleum hydrocarbons as diesel (TEPHd), total purgeable petroleum hydrocarbons as gasoline (TPPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), total lead, and halogenated volatile organic compounds (HVOCs) using the methods listed in Table 2. The laboratory analysis report and Chain of Custody record are attached (Attachment C). The analytical laboratory results are presented in Table 2.

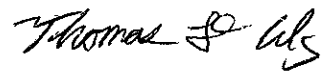
On September 25, 2000, Dillard Environmental Services (Dillard) of Byron, California, (under direct contract to ExxonMobil) transported approximately 0.5 tons of soil generated during the well destruction to the Republic-Vasco landfill in Livermore, California. Soil disposal documentation is included as Attachment D.

Ms. Susan L. Hugo
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

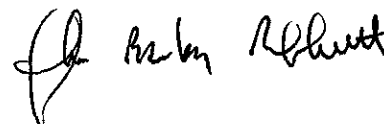
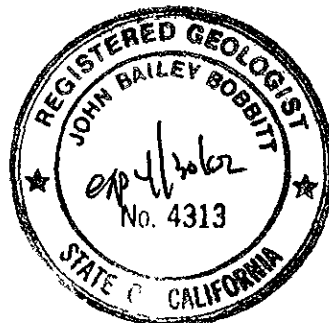
Mr. Chuck Headlee
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Please call Mr. James F. Chappell, ERI's project manager for this site, at (415) 382-4323 if you have any questions regarding this report.

Sincerely,
Environmental Resolutions, Inc.



Thomas D. Culig
Staff Geologist



John B. Bobbitt
R.G. 4313

- Attachments: Table 1: Well Information Table
- Table 2: Analytical Laboratory Results of Soil Sample

- Plate 1: Site Vicinity Map
- Plate 2: Generalized Site Plan

- Attachment A: Well Destruction Permits
- Attachment B: Well Construction Logs
- Attachment C: Laboratory Analysis Report and Chain of Custody Record
- Attachment D: Soil Disposal Documentation

TABLE 1
WELL INFORMATION TABLE
Former Exxon Service Station 7-0234
3450 35th Avenue
Oakland, California
(Page 1 of 1)

Well Designation	Date	Casing Diameter (inches)	Measured Depth (feet)
MW1	8/11/00	4	45.00
MW2	8/11/00	4	45.00
MW3	8/11/00	4	45.00

TABLE 2
ANALYTICAL LABORATORY RESULTS OF SOIL SAMPLE

Former Exxon Service Station 7-0234

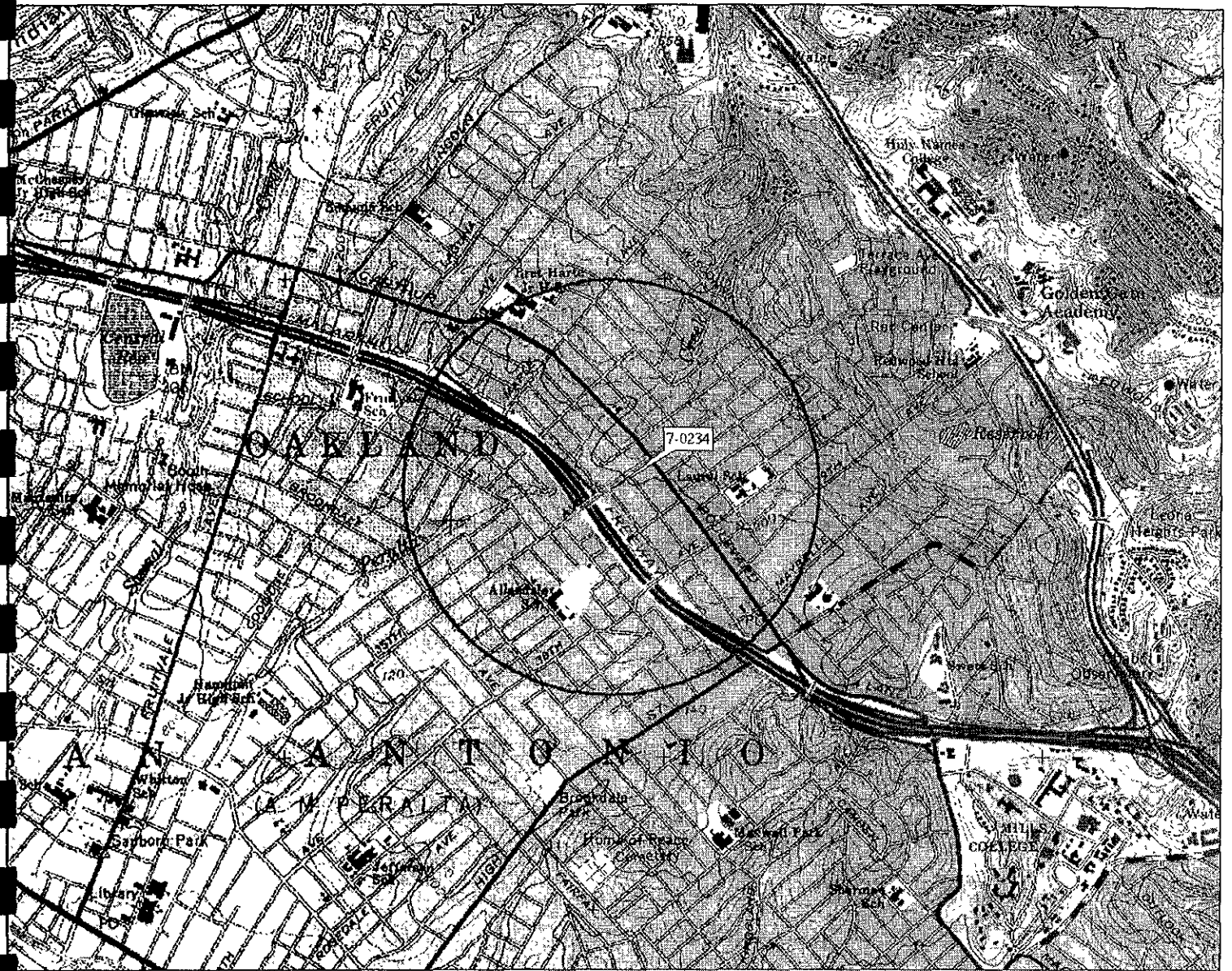
3450 35th Avenue

Oakland, California

(Page 1 of 1)

Sample ID	Date Sampled	TEPHd	TPPHg	B	T	E	X	Total Lead	HVOCs
		< mg/kg >							
SP-1-(1-4)	8/11/00	36	<1	<0.001	<0.001	<0.001	<0.001	11.8	ND

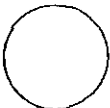
- Notes:
- SP-1-(1-4) = Stockpile soil sample-depth in feet below ground surface.
 - TEPHd = Total extractable petroleum hydrocarbons as diesel analyzed using EPA Method 8015M.
 - TPPHg = Total purgeable petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015M.
 - BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
 - Lead = Total lead analyzed using EPA Method 6010B
 - HVOCs = Halogenated-volatile organic compounds analyzed using EPA method 8010B.
 - ND = Analytes not detected at or above the laboratory method detection limit.
 - mg/kg = See laboratory report for specific analytes and detection limits.
 - mg/kg = Milligrams per Kilogram



TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04864 Source Data: USGS 1:50,000 Scale: 1:19,200 Detail: 13.0 Contour: WGS84

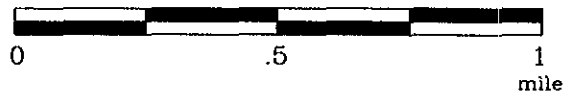
Topo

EXPLANATION



1/2-mile radius circle

APPROXIMATE SCALE



SOURCE:
Modified from a map
provided by
DeLorme 3-D TopoQuads

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 7-0234
3450 35th Avenue
Oakland, California

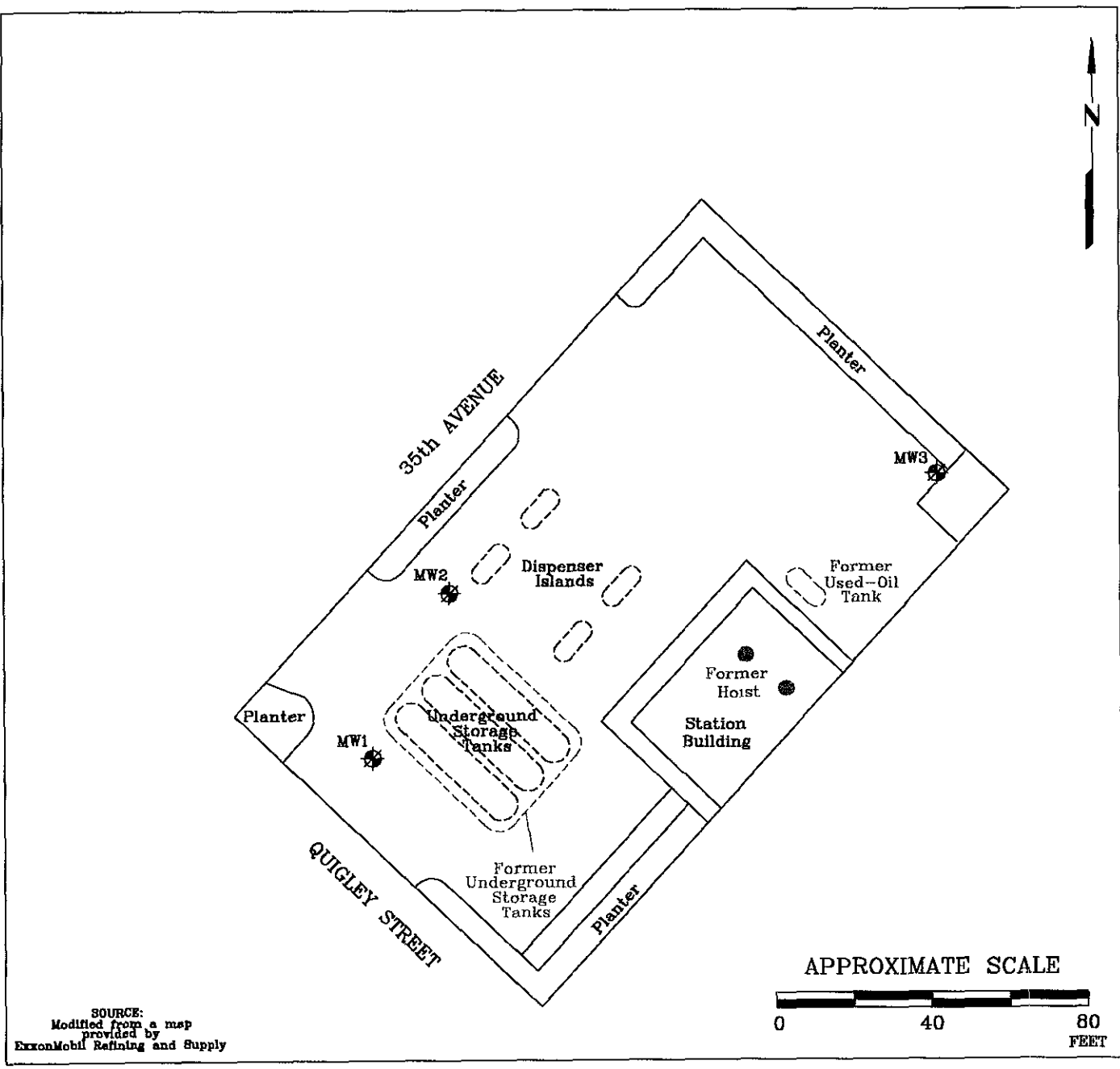
PROJECT NO.

2476

PLATE

1






SOURCE:
 Modified from a map
 provided by
 ExxonMobil Refining and Supply

FN 24780002

EXPLANATION

MW1
 Destroyed Groundwater Monitoring Well

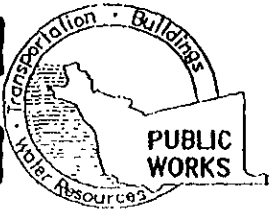


GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 7-0234
 3450 35th Avenue
 Oakland, California

PROJECT NO.
 2476
PLATE
 2
 October 28, 1998

ATTACHMENT A

WELL DESTRUCTION PERMITS



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD CA. 94544-1395

PHONE (510) 670-5554 MARLON MAGALLANES/FRANK CODD (510) 670-5783

FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT
Exxon Service Station 7-0234
3450 35th Avenue
Oakland, CA

PERMIT NUMBER W00-282
WELL NUMBER _____
APN _____

PERMIT CONDITIONS
Circled Permit Requirements Apply

CLIENT
Name Exxon Mobil Corporation
Address P.O. Box 4032 Phone (925) 246-8790
City Concord Zip 95424-4032

- A. GENERAL**
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
 2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources- Well Completion Report.
 3. Permit is void if project not begun within 90 days of approval date.

APPLICANT
Name Environmental Resolutions, Inc. Fax (415) 382-1856
Address 73 Digital Drive, Suite 100 Phone (415) 382-9105
City Novato, CA Zip 94949

- B. WATER SUPPLY WELLS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

TYPE OF PROJECT
Well Construction Geotechnical Investigation
Cathodic Protection General
Water Supply Contamination
Monitoring Well Destruction

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WATER SUPPLY WELL USE
New Domestic Replacement Domestic
Municipal Irrigation
Industrial Other _____

- D. GEOTECHNICAL**
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

- E. CATHODIC**
Fill hole above anode zone with concrete placed by tremie

DRAWER'S LICENSE NO. C57-710079

- F. WELL DESTRUCTION**
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

WELL PROJECTS
Drill Hole Diameter 11 in. Maximum _____
Casing Diameter 4 in. Depth 45 ft.
Surface Seal Depth 20 ft. Number MW1, MW2, MW3

- G. SPECIAL CONDITIONS**

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum _____
Hole Diameter _____ in. Depth _____ ft.

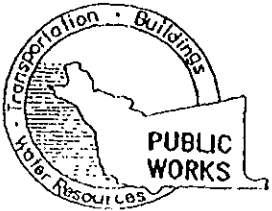
ESTIMATED STARTING DATE 6-1-00
ESTIMATED COMPLETION DATE _____

APPROVED Frank L. Codd DATE 5-30-00

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE Jim Chappell DATE 5-4-00

WELL ID: MW1

PLEASE PRINT NAME Jim Chappell Rev. 4-4-00



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5554 MARLON MAGALLANES/FRANK CODD (510) 670-5783
FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT
Exxon Service Station 7-0234
3450 35th Avenue
Oakland, CA

PERMIT NUMBER W00-283
WELL NUMBER _____
APN _____

PERMIT CONDITIONS Circled Permit Requirements Apply

CLIENT
Name Exxon Mobil Corporation
Address P.O. Box 4032 Phone (925) 246-8790
City Concord Zip 95424-4032

A. GENERAL

1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources- Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT
Name Environmental Resolutions, Inc.
Address 73 Digital Drive, Suite 100 Phone (415) 382-9105
City Novato, CA Zip 94949

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input checked="" type="checkbox"/>

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WATER SUPPLY WELL USE

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other _____	<input type="checkbox"/>

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

DRILLING METHOD:

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>		

E. CATHODIC

Fill hole above anode zone with concrete placed by tremie

DRILLER'S LICENSE NO. C57-710079

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

WELL PROJECTS

Drill Hole Diameter	<u>11</u> in.	Maximum	
Casing Diameter	<u>4</u> in.	Depth	<u>45</u> ft.
Surface Seal Depth	<u>20</u> ft.	Number	<u>MW1, MW2, MW3</u>

G. SPECIAL CONDITIONS

GEOTECHNICAL PROJECTS

Number of Borings	_____	Maximum	
Hole Diameter	_____ in.	Depth	_____ ft.

ESTIMATED STARTING DATE 6-1-00
ESTIMATED COMPLETION DATE _____

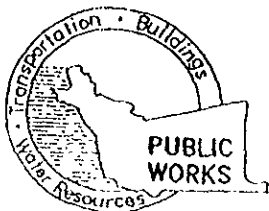
APPROVED Frank Codd DATE 5-30-00

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Jim Chappell DATE 5-4-00

PLEASE PRINT NAME Jim Chappell Rev.4-4-00

Way to MW2



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5554 MARLON MAGALLANES/FRANK CODD (510) 670-5783
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT
Exxon Service Station 7-0234
3450 35th Avenue
Oakland, CA

CLIENT
Name Exxon Mobil Corporation
Address P.O. Box 4032 Phone (925) 246-8790
City Concord Zip 94524-4032

APPLICANT
Name Environmental Resolutions, Inc. Fax (415) 382-1856
Address 73 Digital Drive, Suite 100 Phone (415) 382-9105
City Menlo Park, CA Zip 94049

TYPE OF PROJECT
Well Construction Geotechnical Investigation
Cathodic Protection General
Water Supply Contamination
Monitoring Well Destruction

PROPOSED WATER SUPPLY WELL USE
New Domestic Replacement Domestic
Municipal Irrigation
Industrial Other

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S LICENSE NO. C57-710079

WELL PROJECTS
Drill Hole Diameter 11 in. Maximum
Casing Diameter 4 in. Depth 45 ft.
Surface Seal Depth 20 ft. Number MW1, MW2, MW3

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE 6-1-00
ESTIMATED COMPLETION DATE _____

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Jim Chappell DATE 5-4-00
PLEASE PRINT NAME Jim Chappell Rev. 4-4-00

FOR OFFICE USE

PERMIT NUMBER WA-284
WELL NUMBER _____
APN _____

PERMIT CONDITIONS
Circled Permit Requirements Apply

- A. GENERAL**
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
 2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources- Well Completion Report.
 3. Permit is void if project not begun within 90 days of approval date.

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- D. GEOTECHNICAL**
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings

- E. CATHODIC**
Fill hole above anode zone with concrete placed by tremie

- F. WELL DESTRUCTION**
Send a map of work site. A separate permit is required for wells deeper than 45 feet

- G. SPECIAL CONDITIONS**

APPROVED Frank Codd DATE 5-30-00

WELL ID: MW3

ATTACHMENT B

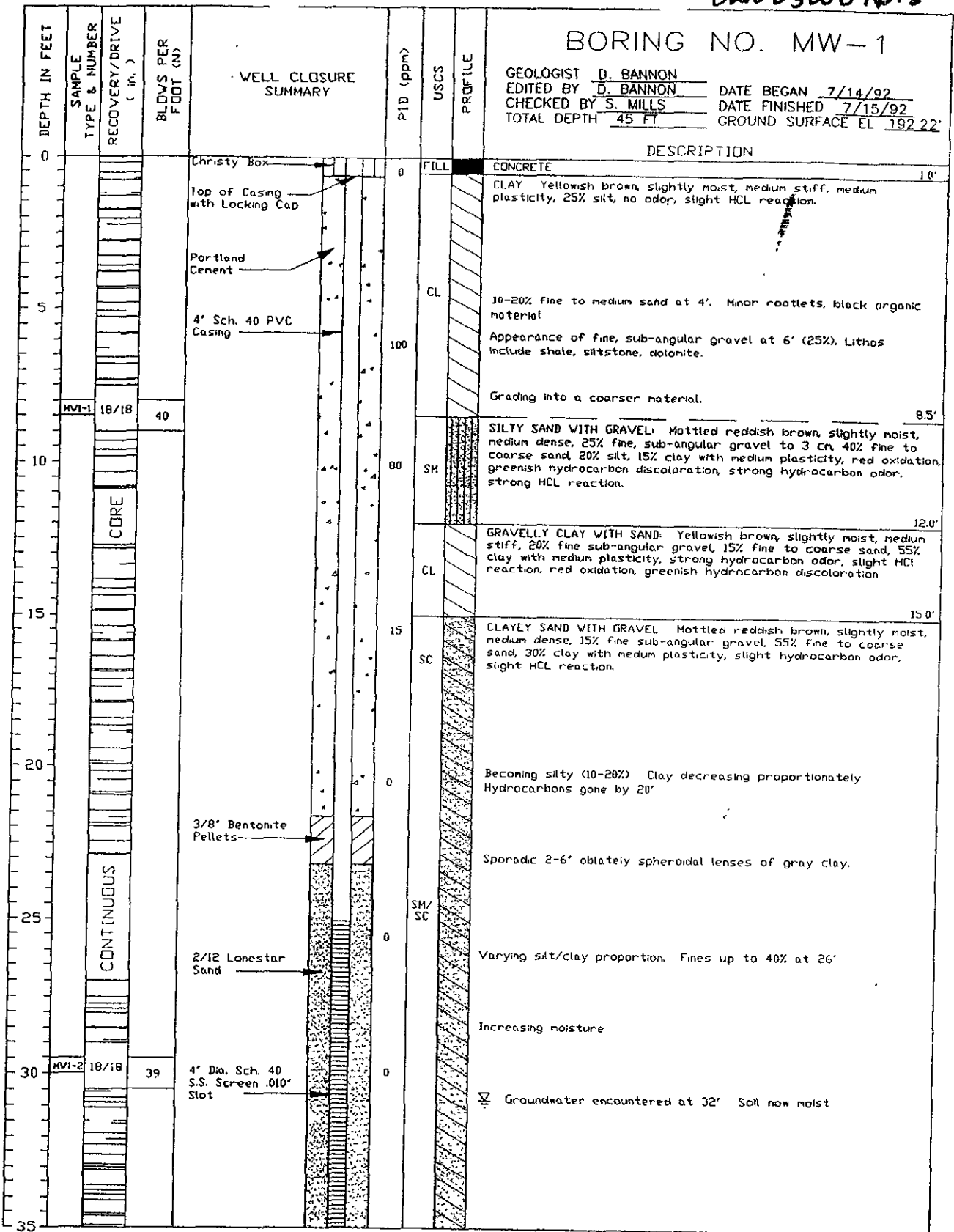
WELL CONSTRUCTION LOGS

01-545F

02503W04D15

BORING NO. MW-1

GEOLOGIST D. BANNON
 EDITED BY D. BANNON DATE BEGAN 7/14/92
 CHECKED BY S. MILLS DATE FINISHED 7/15/92
 TOTAL DEPTH 45 FT GROUND SURFACE EL 192.22'



DRILLING CO.: SIERRA PACIFIC EXPLORATION 1428
 DRILL METHOD: HOLLOW STEM AUGER
 SAMPLING METHOD: CONTINUOUS CORE

SHEET 1 OF 2

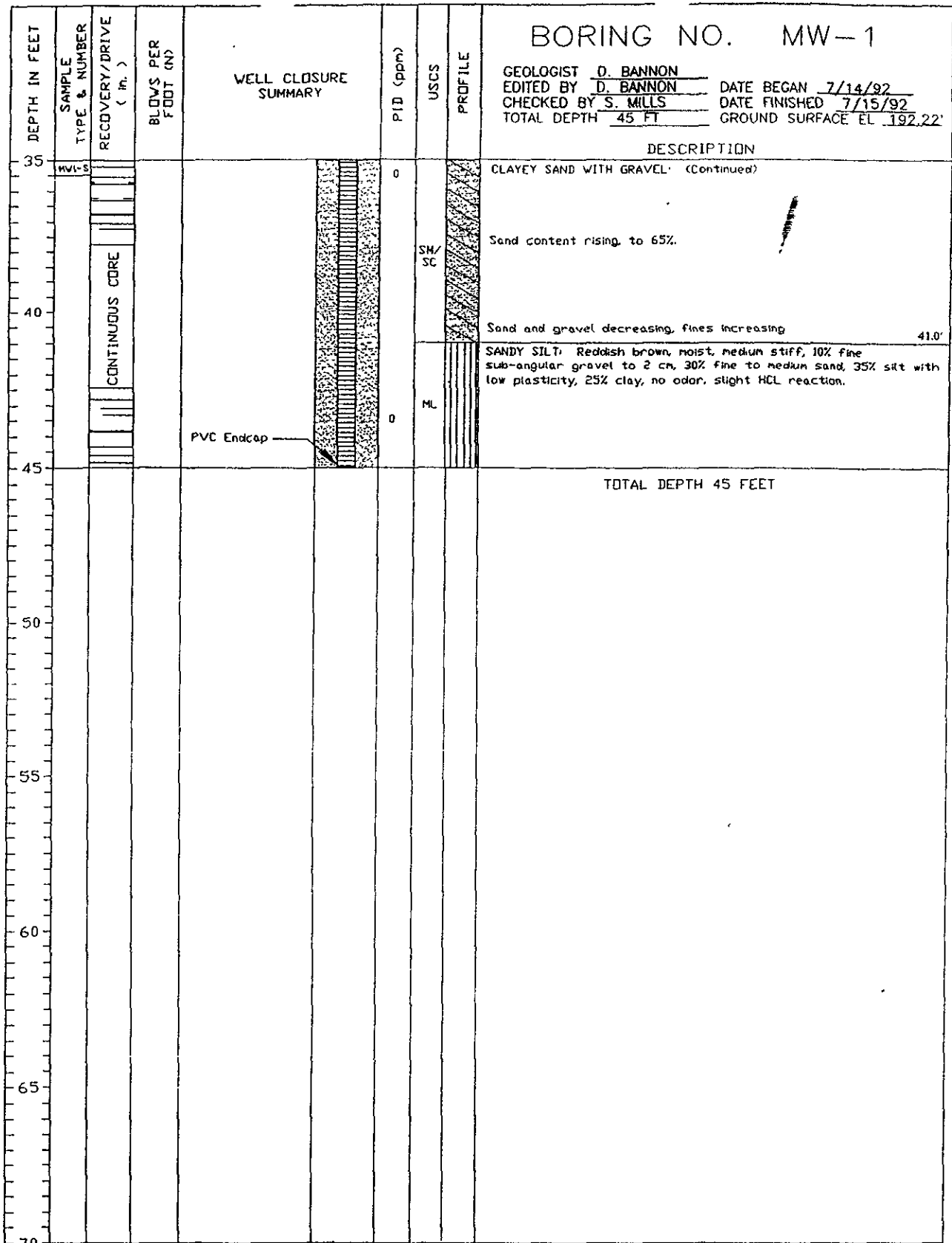
SEE LEGEND FOR EXPLANATION OF SYMBOLS AND TERMS

PROJECT NO: 191081
 CLIENT: EXXON CO., U.S.A.
 LOCATION: OAKLAND, CA
 SITE ADDRESS: 3450 35TH AVENUE, OAKLAND, CA



590

01-2431



SHEET 2 OF 2

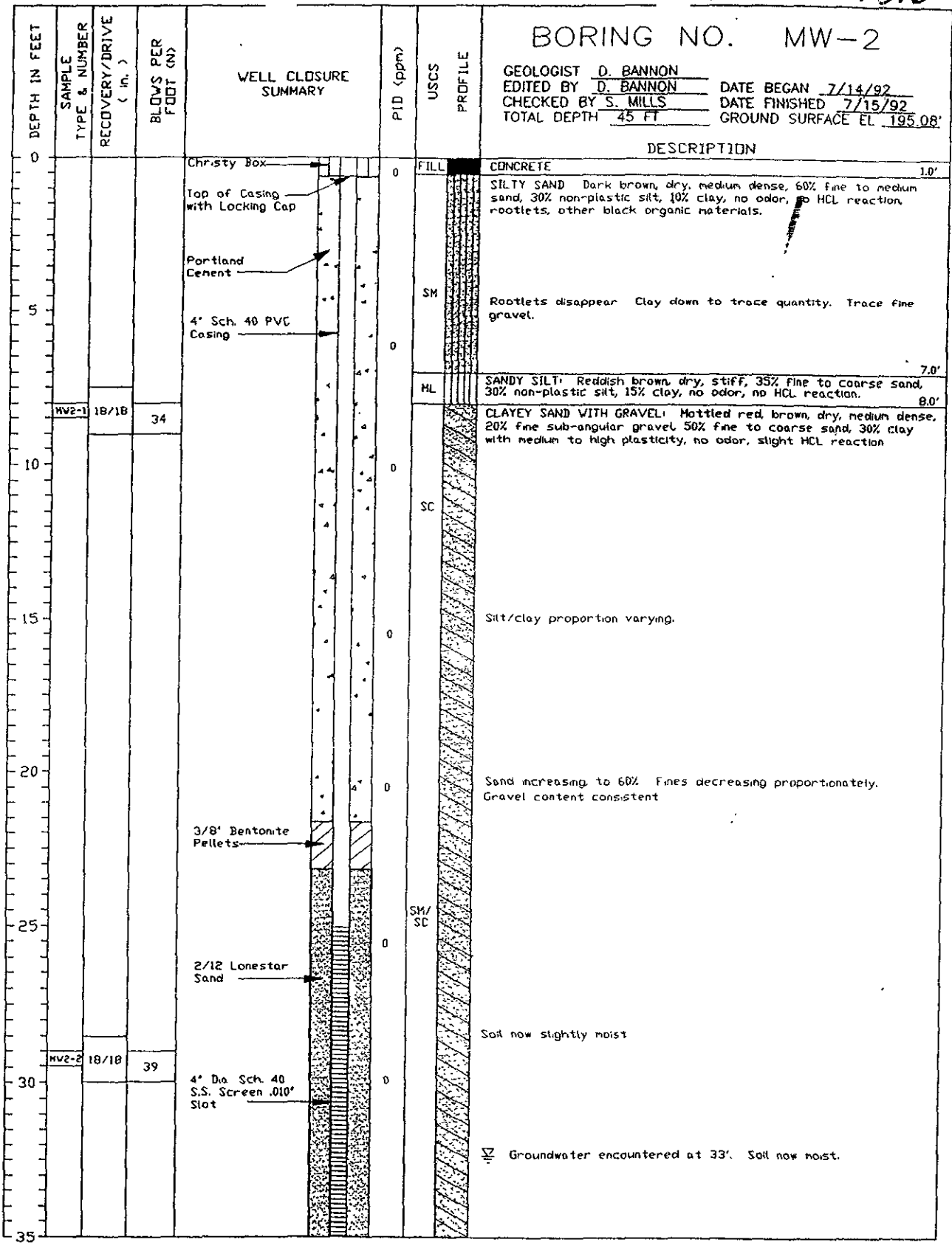
DRILLING CO.: SIERRA PACIFIC EXPLORATION 1428
 DRILL METHOD: HOLLOW STEM AUGER
 SAMPLING METHOD: CONTINUOUS CORE

SEE LEGEND FOR EXPLANATION OF SYMBOLS AND TERMS

PROJECT NO.: 191081
 CLIENT: EXXON CO., U.S.A.
 LOCATION: OAKLAND, CA
 SITE ADDRESS: 3450 35TH AVENUE, OAKLAND, CA



INTERNATIONAL
 TECHNOLOGY
 CORPORATION



DRILLING CO.: SIERRA PACIFIC EXPLORATION **W28**
 DRILL METHOD: HOLLOW STEM AUGER
 SAMPLING METHOD: SPLIT SPOON (SS) SAMPLER

PROJECT NO.: 191081
 CLIENT: EXXON CO., U.S.A.
 LOCATION: OAKLAND, CA
 SITE ADDRESS: 3450 35TH AVENUE, OAKLAND, CA

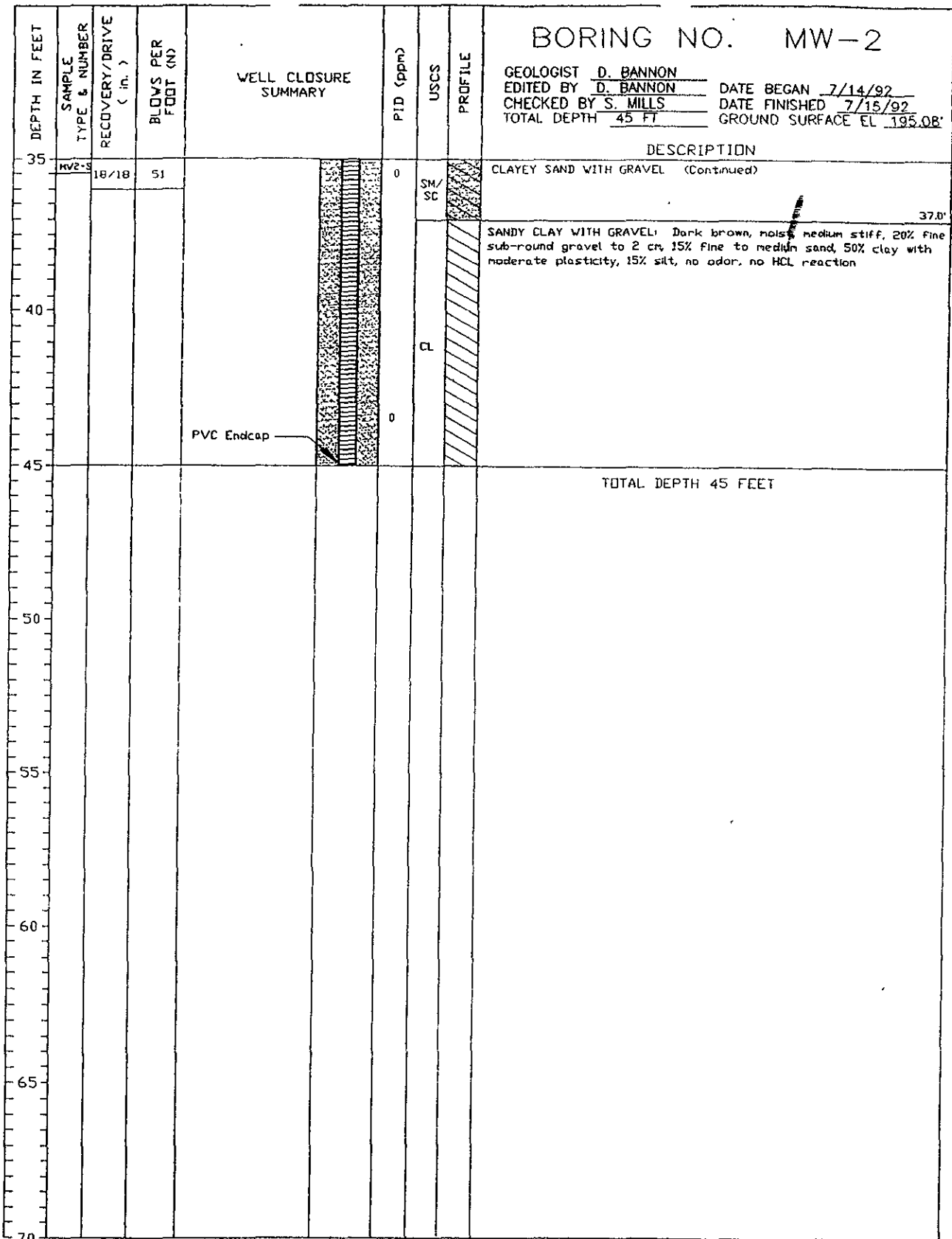
SHEET 1 OF 2

SEE LEGEND FOR EXPLANATION OF SYMBOLS AND TERMS



585

01-545G



DRILLING CO.: SIERRA PACIFIC EXPLORATION
 DRILL METHOD: HOLLOW STEM AUGER
 SAMPLING METHOD: SPLIT SPOON (SS) SAMPLER

PROJECT NO.: 191081
 CLIENT: EXXON CO., U.S.A.
 LOCATION: OAKLAND, CA
 SITE ADDRESS: 3450 35TH AVENUE, OAKLAND, CA

SHEET 2 OF 2

SEE LEGEND FOR EXPLANATION OF SYMBOLS AND TERMS

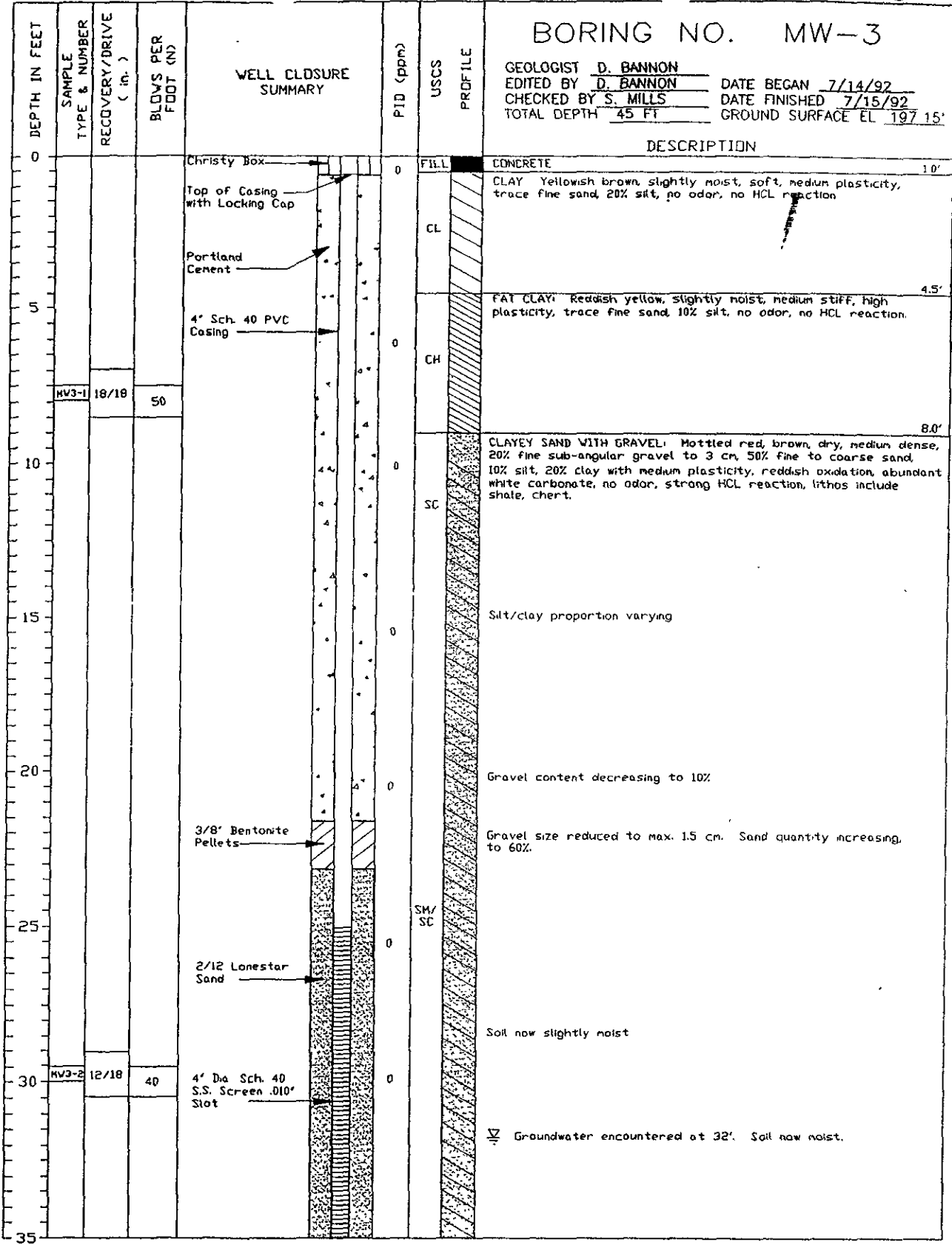


INTERNATIONAL
 TECHNOLOGY
 CORPORATION

2100

0134311

02503W04D17



DRILLING CO.: SIERRA PACIFIC EXPLORATION 1428
 DRILL METHOD: HOLLOW STEM AUGER
 SAMPLING METHOD: SPLIT SPOON (SS) SAMPLER

PROJECT NO.: 191081
 CLIENT: EXXON CO., U.S.A.
 LOCATION: OAKLAND, CA
 SITE ADDRESS: 3450 35TH AVENUE, OAKLAND, CA

SHEET 1 OF 2

SEE LEGEND FOR EXPLANATION OF SYMBOLS AND TERMS



INTERNATIONAL
 TECHNOLOGY
 CORPORATION

590

59 01-54511

DEPTH IN FEET	SAMPLE TYPE & NUMBER	RECOVERY/DRIVE (in.)	BLOWS PER FOOT (N)	WELL CLOSURE SUMMARY	PID (ppm)	USCS	PROFILE	BORING NO. MW-3	
								GEOLOGIST <u>D. BANNON</u>	DATE BEGAN <u>7/14/92</u>
								GEOLOGIST <u>D. BANNON</u>	
								EDITED BY <u>D. BANNON</u>	
								CHECKED BY <u>S. MILLS</u>	
								DATE FINISHED <u>7/15/92</u>	
								TOTAL DEPTH <u>45 FT</u>	
								GROUND SURFACE EL. <u>197.15'</u>	
								DESCRIPTION	
35	16/18	50			0	SM/SC		CLAYEY SAND WITH GRAVEL (Continued)	
40						SC		Silt decreasing, sand decreasing.	
45				PVC Endcap	0			TOTAL DEPTH 45 FEET	
50									
55									
60									
65									
70									

SHEET 2 OF 2

DRILLING CO.: SIERRA PACIFIC EXPLORATION
 DRILL METHOD: HOLLOW STEM AUGER
 SAMPLING METHOD: SPLIT SPOON (SS) SAMPLER

SEE LEGEND FOR EXPLANATION OF SYMBOLS AND TERMS

PROJECT NO.: 191081
 CLIENT: EXXON CO., U.S.A.
 LOCATION: OAKLAND, CA
 SITE ADDRESS: 3450 35TH AVENUE, OAKLAND, CA



INTERNATIONAL
 TECHNOLOGY
 CORPORATION

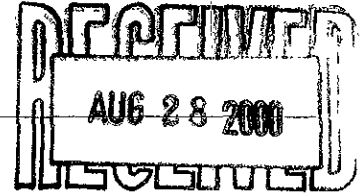
ATTACHMENT C

**LABORATORY ANALYSIS REPORT AND
CHAIN OF CUSTODY RECORD**



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:
EXXON Company U.S.A.



Certificate of Analysis Number:
00080424

Report To: Environmental Resolution, Inc. Jim Chappell 73 Digital Drive Suite 100 Novato California 94949- ph: (415) 382-9105 fax: (415) 382-1856	Project Name: 247614X Site: 7-0234,19905826 Site Address: 3450 35th St. Oakland CA PO Number: LWR#20900513 State: California State Cert. No.: Date Reported: 8/24/00
--	--

Any data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

Sonia West
West, Sonia
Senior Project Manager

8/24/00

Date



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:
00080424

Report To: Environmental Resolution, Inc. Jim Chappell 73 Digital Drive Suite 100 Novato California 94949- ph: (415) 382-9105 fax: (415) 382-1856	Project Name: 247614X Site: 7-0234,19905826 Site Address: 3450 35th St. Oakland CA PO Number: LWR#20900513 State: California State Cert. No.: Date Reported: 8/24/00
Fax To: Environmental Resolution, Inc. Jim Chappell fax: (415) 382-1856	

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
S (1-4)-COMP	00080424-01	Soil	8/11/00 11:00:00 AM	8/16/00 10:00:00 AM		<input type="checkbox"/>

Sonia West

8/24/00

West, Sonia
 Senior Project Manager

Date

Joel Grice
 Laboratory Director

 Ted Yen
 Quality Assurance Officer



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID SP-1 (1-4)-COMP Collected: 8/11/00 11:00:00 SPL Sample ID: 00080424-01

Site: 7-0234,19905826

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			MCL	CA_DRO	Units: mg/Kg		
Diesel Range Organics	36	2	1		08/18/00 21:35 AM		377484
Surr: n-Pentacosane	146	% 20-154	1		08/18/00 21:35 AM		377484

Run ID/Seq #: HP_V_000818C-377484

Prep Method	Prep Date	Prep Initials
SW3550A	08/17/2000 10:44	J_L

GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: mg/Kg		
Gasoline Range Organics	ND	1	1		08/17/00 15:46 FB		372780
Surr: 1,4-Difluorobenzene	106	% 72-153	1		08/17/00 15:46 FB		372780
Surr: 4-Bromofluorobenzene	140	% 51-149	1		08/17/00 15:46 FB		372780

Sonia West

West, Sonia
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL



Client Sample ID SP-1 (1-4)-COMP

Collected: 8/11/00 11:00:00 SPL Sample ID: 00080424-01

Site: 7-0234,19905826

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
HALOGENATED VOLATILES ORGANIC COMPOUNDS			MCL	SW8010B	Units: mg/Kg		
1,1,1-Trichloroethane	ND	0.001	1		08/20/00 1:08	CJ	374285
1,1,2,2-Tetrachloroethane	ND	0.002	1		08/20/00 1:08	CJ	374285
1,1,2-Trichloroethane	ND	0.001	1		08/20/00 1:08	CJ	374285
1,1-Dichloroethane	ND	0.001	1		08/20/00 1:08	CJ	374285
1,1-Dichloroethene	ND	0.001	1		08/20/00 1:08	CJ	374285
1,2-Dichlorobenzene	ND	0.001	1		08/20/00 1:08	CJ	374285
1,2-Dichloroethane	ND	0.001	1		08/20/00 1:08	CJ	374285
1,2-Dichloropropane	ND	0.001	1		08/20/00 1:08	CJ	374285
1,3-Dichlorobenzene	ND	0.002	1		08/20/00 1:08	CJ	374285
1,4-Dichlorobenzene	ND	0.002	1		08/20/00 1:08	CJ	374285
Bromodichloromethane	ND	0.001	1		08/20/00 1:08	CJ	374285
Bromoform	ND	0.001	1		08/20/00 1:08	CJ	374285
Bromomethane	ND	0.001	1		08/20/00 1:08	CJ	374285
Carbon tetrachloride	ND	0.001	1		08/20/00 1:08	CJ	374285
Chlorobenzene	ND	0.001	1		08/20/00 1:08	CJ	374285
Chloroethane	ND	0.001	1		08/20/00 1:08	CJ	374285
Chloroform	ND	0.001	1		08/20/00 1:08	CJ	374285
Chloromethane	ND	0.001	1		08/20/00 1:08	CJ	374285
cis-1,2-Dichloroethene	ND	0.001	1		08/20/00 1:08	CJ	374285
cis-1,3-Dichloropropene	ND	0.001	1		08/20/00 1:08	CJ	374285
Dibromochloromethane	ND	0.001	1		08/20/00 1:08	CJ	374285
Dichlorodifluoromethane	ND	0.001	1		08/20/00 1:08	CJ	374285
Methylene chloride	ND	0.002	1		08/20/00 1:08	CJ	374285
Tetrachloroethene	ND	0.001	1		08/20/00 1:08	CJ	374285
trans-1,2-Dichloroethene	ND	0.001	1		08/20/00 1:08	CJ	374285
trans-1,3-Dichloropropene	ND	0.001	1		08/20/00 1:08	CJ	374285
Trichloroethene	ND	0.001	1		08/20/00 1:08	CJ	374285
Trichlorofluoromethane	ND	0.001	1		08/20/00 1:08	CJ	374285
Vinyl chloride	ND	0.001	1		08/20/00 1:08	CJ	374285
Surr: 3-Bromochlorobenzene	85.4	% 50-150	1		08/20/00 1:08	CJ	374285
Surr: Fluorobenzene	100	% 50-150	1		08/20/00 1:08	CJ	374285

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg		
Lead	11.8	0.5		1	08/19/00 15:50	EG	375150

Run ID/Seq #: TJAT_000818D-375150

Prep Method	Prep Date	Prep Initials
SW3050B	08/17/2000 0:00	MR

Sonia West

West, Sonia
Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
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J - Estimated Value between MDL and PQL



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 HOUSTON, TEXAS 77054
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Client Sample ID SP-1 (1-4)-COMP

Collected: 8/11/00 11:00:00 SPL Sample ID: 00080424-01

Site: 7-0234,19905826

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PURGEABLE AROMATICS			MCL	SW8021B	Units: mg/Kg		
Benzene	ND	0.001	1		08/17/00 15:46	FB	372744
Ethylbenzene	ND	0.001	1		08/17/00 15:46	FB	372744
Toluene	ND	0.001	1		08/17/00 15:46	FB	372744
m,p-Xylene	ND	0.001	1		08/17/00 15:46	FB	372744
o-Xylene	ND	0.001	1		08/17/00 15:46	FB	372744
Xylenes, Total	ND	0.001	1		08/17/00 15:46	FB	372744
Surr: 1,4-Difluorobenzene	94.9 %	59-127	1		08/17/00 15:46	FB	372744
Surr: 4-Bromofluorobenzene	105 %	48-156	1		08/17/00 15:46	FB	372744

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 J - Estimated Value between MDL and PQL

Quality Control Documentation



Quality Control Report

EXXON Company U.S.A.
247614X

Analysis: Diesel Range Organics
Method: CA_DRO

WorkOrder: 00080424
Lab Batch ID: 6678

Method Blank

Samples in Analytical Batch:

RunID: HP_V_000818C-377481 Units: mg/Kg
Analysis Date: 08/18/2000 20:16 Analyst: AM
Preparation Date: 08/17/2000 10:44 Prep By: J_L Method SW3550A

Lab Sample ID: 00080424-01A
Client Sample ID: SP-1 (1-4)-COMP

Analyte	Result	Rep Limit
Diesel Range Organics	ND	2.0
Surr n-Pentacosane	96.3	20-154

Laboratory Control Sample (LCS)

RunID: HP_V_000818C-377482 Units: mg/Kg
Analysis Date: 08/18/2000 20:56 Analyst: AM
Preparation Date: 08/17/2000 10:44 Prep By: J_L Method SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics	83.3	84	101	50	150

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080424-01
RunID: HP_V_000818C-377485 Units: mg_kg
Analysis Date: 08/18/2000 22:14 Analyst: AM
Preparation Date: 08/17/2000 10:44 Prep By: Method

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics	36	83.3	37	1.41*	83.3	49	14.8*	165*	50	21	175

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

EXXON Company U.S.A.

247614X

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 00080424
Lab Batch ID: R19132

Method Blank

Samples in Analytical Batch:

RunID: VARE_000816A-371772 Units: ug/Kg
Analysis Date: 08/16/2000 20:11 Analyst: FB

Lab Sample ID: 00080424-01A
Client Sample ID: SP-1 (1-4)-COMP

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr. 1,4-Difluorobenzene	89.2	59-127
Surr. 4-Bromofluorobenzene	94.8	48-156

Laboratory Control Sample (LCS)

RunID: VARE_000816A-371854 Units: ug/Kg
Analysis Date: 08/16/2000 18:54 Analyst: FB

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	49	98	60	116
Ethylbenzene	50	49	99	68	127
Toluene	50	50	99	64	122
m,p-Xylene	100	98	98	68	129
o-Xylene	50	49	99	68	127
Xylenes, Total	150	147	98	68	129

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080398-01
RunID: VARE_000816A-371770 Units: ug/Kg
Analysis Date: 08/16/2000 19:20 Analyst: FB

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	19	95.9	20	18	91.0	5.18	34	35	139
Ethylbenzene	ND	20	13	64.0	20	18	87.6	31.2	35	31	137
Toluene	ND	20	16	79.3	20	53	263*	107*	28	31	137
m-Xylene	ND	40	27	68.2	40	62	156*	78.3*	38	19	144
o-Xylene	ND	20	14	69.5	20	23	117	50.7	57	25	139

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference



Quality Control Report
 EXXON Company U.S.A.
 247614X

Analysis: Purgeable Aromatics
 Method: SW8021B

WorkOrder: 00080424
 Lab Batch ID: R19132

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080398-01
 RunID: VARE_000816A-371770 Units: ug/Kg
 Analysis Date: 08/16/2000 19:20 Analyst: FB

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Xenes, Total	ND	60	41	68.3	60	85	142	69.8*	38	19	144

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

EXXON Company U.S.A.
 247614X

Analysis: Gasoline Range Organics
 Method: CA_GRO

WorkOrder: 00080424
 Lab Batch ID: R19185

Method Blank

Samples in Analytical Batch:

RunID: VARE_000817A-372778 Units: mg/Kg
 Analysis Date: 08/17/2000 14:55 Analyst: FB

Lab Sample ID: 00080424-01A
 Client Sample ID: SP-1 (1-4)-COMP

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	1.0
Surr: 1,4-Difluorobenzene	99.7	72-153
Surr: 4-Bromofluorobenzene	115.3	51-149

Laboratory Control Sample (LCS)

RunID: VARE_000817A-372775 Units: mg/Kg
 Analysis Date: 08/17/2000 12:55 Analyst: FB

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	1	105	53	137

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080422-01
 RunID: VARE_000817A-372777 Units: mg/Kg
 Analysis Date: 08/17/2000 14:29 Analyst: FB

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	0.87	96.7	0.9	0.53	58.9	48.6	50	36	163

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

EXXON Company U.S.A.
247614X

Analysis: Halogenated Volatiles Organic Compounds
Method: SW8010B

WorkOrder: 00080424
Lab Batch ID: R19258

Method Blank

Samples in Analytical Batch:

RunID: HP_X_000819B-374275 Units: ug/Kg
Analysis Date: 08/19/2000 22:34 Analyst: CJ

Lab Sample ID: 00080424-01A
Client Sample ID: SP-1 (1-4)-COMP

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	2.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichlorobenzene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
1,3-Dichlorobenzene	ND	2.0
1,4-Dichlorobenzene	ND	2.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	1.0
Chloromethane	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
Dibromochloromethane	ND	1.0
Dichlorodifluoromethane	ND	1.0
Methylene chloride	ND	2.0
Tetrachloroethene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Trichloroethene	ND	1.0
Trichlorofluoromethane	ND	1.0
Vinyl chloride	ND	1.0
Surr: 3-Bromochlorobenzene	98.4	50-150
Surr: Fluorobenzene	96.7	50-150

Laboratory Control Sample (LCS)

RunID: HP_X_000819B-374273 Units: ug/Kg
Analysis Date: 08/19/2000 19:27 Analyst: CJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1,1-Trichloroethane	20	19	95	70	130
1,1,2,2-Tetrachloroethane	20	18	88	70	130
1,1,2-Trichloroethane	20	19	95	70	130
1,1-Dichloroethane	20	16	80	70	130
1,1-Dichloroethene	20	14	71	70	130
1,2-Dichlorobenzene	20	16	82	70	130

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

EXXON Company U.S.A.

247614X

Analysis: Halogenated Volatiles Organic Compounds
 Method: SW8010B

WorkOrder: 00080424
 Lab Batch ID: R19258

Laboratory Control Sample (LCS)

RunID: HP_X_000819B-374273 Units: ug/Kg
 Analysis Date: 08/19/2000 19:27 Analyst: CJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2-Dichloroethane	20	18	89	70	130
1,2-Dichloropropane	20	18	89	70	130
1,3-Dichlorobenzene	20	16	78	70	130
1,4-Dichlorobenzene	20	16	81	70	130
Bromodichloromethane	20	18	91	70	130
Bromoform	20	18	92	70	130
Bromomethane	20	17	84	70	130
Carbon tetrachloride	20	16	81	70	130
Chlorobenzene	20	18	90	70	130
Chloroethane	20	17	85	70	130
Chloroform	20	17	83	70	130
Chloromethane	20	17	85	70	130
cis-1,2-Dichloroethene	20	17	87	70	130
cis-1,3-Dichloropropene	20	19	94	70	130
Dibromochloromethane	20	19	94	70	130
Dichlorodifluoromethane	20	15	73	70	130
Methylene chloride	20	16	81	70	130
Tetrachloroethene	20	17	85	70	130
trans-1,2-Dichloroethene	20	15	75	70	130
trans-1,3-Dichloropropene	20	19	97	70	130
Trichloroethene	20	17	83	70	130
Trichlorofluoromethane	20	17	86	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080402-01
 RunID: HP_X_000819B-374287 Units: ug/Kg
 Analysis Date: 08/20/2000 1:46 Analyst: CJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1,1-Trichloroethane	ND	20	20	98.2	20	21	103	4.53	30	50	150
1,1,2-Tetrachloroethane	ND	20	17	87.1	20	18	88.9	2.08	30	50	150
1,1,2-Trichloroethane	ND	20	20	98.3	20	20	99.6	1.37	30	50	150

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report
 EXXON Company U.S.A.
 247614X

Analysis: Halogenated Volatiles Organic Compounds
 Method: SW8010B

WorkOrder: 00080424
 Lab Batch ID: R19258

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080402-01
 RunID: HP_X_000819B-374287 Units: ug/Kg
 Analysis Date: 08/20/2000 1:46 Analyst: CJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethane	ND	20	17	84.5	20	18	90.5	6.85	30	50	150
1,2-Dichloroethane	ND	20	16	77.9	20	17	84.8	8.51	30	50	150
1,2-Dichlorobenzene	ND	20	15	75.6	20	16	78.5	3.73	30	50	150
1,1-Dichloroethane	ND	20	21	104	20	21	107	2.39	30	50	150
1,2-Dichloropropane	ND	20	20	102	20	21	103	0.787	30	50	150
1,3-Dichlorobenzene	ND	20	15	71.9	20	15	72.7	1.17	30	50	150
1,4-Dichlorobenzene	ND	20	14	71.2	20	15	76.2	6.87	30	50	150
Bromodichloromethane	ND	20	21	104	20	21	104	0.283	30	50	150
Bromoform	ND	20	19	94.1	20	19	93.9	0.163	30	50	150
Bromomethane	ND	20	16	77.6	20	16	82.2	5.77	30	50	150
Carbon tetrachloride	ND	20	19	97.2	20	20	99.9	2.70	30	50	150
Chlorobenzene	ND	20	17	87.3	20	18	89.2	2.17	30	50	150
Chloroethane	ND	20	16	80.5	20	17	84.5	4.91	30	50	150
Chloroform	ND	20	18	89.3	20	20	102	12.9	30	50	150
Chloromethane	ND	20	17	85.9	20	17	87.3	1.55	30	50	150
cis-1,2-Dichloroethene	ND	20	18	87.6	20	20	99.6	12.9	30	50	150
cis-1,3-Dichloropropene	ND	20	20	101	20	20	100	0.632	30	50	150
Dibromochloromethane	ND	20	20	99.9	20	20	100	0.511	30	50	150
Dichlorodifluoromethane	ND	20	18	88.2	20	18	88.2	0.0108	30	50	150
Methylene chloride	ND	20	18	89.5	20	19	95.0	6.00	30	50	150
Tetrachloroethene	ND	20	17	85.6	20	18	87.7	2.48	30	50	150
trans-1,2-Dichloroethene	ND	20	16	80.6	20	17	87.0	7.61	30	50	150
trans-1,3-Dichloropropene	ND	20	20	98.7	20	20	99.7	1.00	30	50	150
Tetrachloroethene	ND	20	19	95.2	20	19	95.8	0.620	30	50	150
Tetrachlorofluoromethane	ND	20	16	79.9	20	17	86.4	7.81	30	50	150

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

EXXON Company U.S.A.

247614X

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080424
 Lab Batch ID: 6692-T

Method Blank

Samples in Analytical Batch:

RunID: TJAT_000818D-375137 Units: mg/Kg
 Analysis Date: 08/19/2000 14:08 Analyst: EG
 Preparation Date: 08/17/2000 0:00 Prep By: MR Method SW3050B

Lab Sample ID: 00080424-01A
 Client Sample ID: SP-1 (1-4)-COMP

Analyte	Result	Rep Limit
Lead	ND	0.5

Laboratory Control Sample (LCS)

RunID: TJAT_000818D-375139 Units: mg/Kg
 Analysis Date: 08/19/2000 14:14 Analyst: EG
 Preparation Date: 08/17/2000 0:00 Prep By: MR Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Lead	97.8	97	N/A	74.5	121

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080413-01
 RunID: TJAT_000818D-375141 Units: mg/Kg-dry
 Analysis Date: 08/19/2000 14:32 Analyst: EG
 Preparation Date: 08/17/2000 0:00 Prep By: MR Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	70	106	156	81.3	106	155	80.0	1.54	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference

*Chain of Custody
And
Sample Receipt Checklist*

EXXON COMPANY, USA.

(West Coast)

CHAIN OF CUSTODY RECORD NO. 00080424

Page 1 of 1

Exxon Engineer: Darin Rouse Phone: (925) 246-8768
 Consultant Co. Name: E.R.I. Contact: Jim Chappell
 Address: 73 Digital Drive Fax: (415) 382-1856
Suite 100, Novato, Ca 94949
 RAS #: 7-0234 Facility/State ID # (TN Only): _____
 AFE # (Terminal Only): _____ Consultant Project #: 247614X
 Location: 3450 35th St. (City) Oakland (State) Ca
 EE C&M SDT
 Consultant Work Release #: 19905826
 Sampled By: Tom Cullig

ANALYSIS REQUEST: (CHECK APPROPRIATE BOX)

OTHER

NO OF CONTAINERS	CONTAINER SIZE	TPH/GC 8015 GRO	BTEX 8020	MIBE 8020	OXYGENATES (7) 8260	O&G IR 4131	VOL 8260	SEMI-VOL 8270	PNA/PAH 8100	PCB/PEST 8081/8082	TCLP FULL VOL 8040	SEMIVOL 8040	HERBIC 8040	METALS, TOTAL	LEAD, TOTAL 2391	LEAD, TCLP	LEAD DISSOLVED	REACTIVITY	CORROSIVITY	FLASH POINT	PURGEABLE HYDROCARBON 8010	TPH/IR 4181	TOX/TOH
4	4 gal	X	X														X				X		

SAMPLE ID.	DATE	TIME	COMP.	GRAB	MATRIX			OTHER	PRESERVATIVE
					H ₂ O	SOIL	AIR		
SP1-(1-4)	8/11	11:00	X			X		Ice	

TAT
 24 HR. ___ * 72 HR. ___ *
 48 HR. ___ * 96 HR. ___ *
 8 Business *Contact US Prior to Sending Sample
 Other ___

**EXXON UST
 CONTRACT NO.
 C41483**

SPECIAL DETECTION LIMITS (Specify)
 SPECIAL REPORTING REQUIREMENTS (Specify)
 PDF EDD
 FAX FAX C-O-C W/REPORT

REMARKS:
 LAB USE ONLY Lot # 150 N/A
 Storage Location
 WORK ORDER #: 820419334168 LAB WORK RELEASE #:
23/lbs. 50

CUSTODY RECORD

Relinquished By Sampler: <u>[Signature]</u>	Date <u>8-15</u>	Time <u>12:30</u>	Received By:
Relinquished:	Date	Time	Received By:
Relinquished:	Date	Time	Received By: <u>Donna Kelly</u>



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder: 00080424
Date and Time Received: 8/16/00 10:00:00 AM

Received by: Stelly, D'Anna
Carrier name: FedEx

Temperature: 4

-
- | | | | |
|---|---|--|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
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ATTACHMENT D
SOIL DISPOSAL DOCUMENTATION

Dillard Trucking, Inc. dba

Dillard Environmental Services

P.O. Box 579 • Byron, CA 94514
Phone (925) 634-6850 – Fax (925) 634-0569
EPA #CAD981692809 • D.T.S.C. #1715 • CA LIC #624665-A HAZ

October 10, 2000

Mr. James Chappell
Environmental Resolutions, Inc.
73 Digital Drive, Suite 100
Novato, CA 94949

RE: EXXON #7-0234
3450 35th Street
Oakland, California

Dear Mr. Chappell:

Please be advised that the .5 tons of petroleum contaminated soils from the referenced site has been removed. The soil was transported for disposal to Republic-Vasco Landfill in Livermore, CA on September 25, 2000.

Should you have any questions, please do not hesitate to call.

Sincerely,

Dillard Trucking, Inc. dba,
DILLARD ENVIRONMENTAL SERVICES

Lynette Smith
Lynette Smith
Customer Service Representative

/Enclosure



WASTE ACCEPTANCE RECORD FOR THE VASCO ROAD LANDFILL

DATE	Thursday, September 21, 2000		
GENERATOR	Exxon #7-0234		
ADDRESS	3450 35th st	Oakland	CA
CITY	02726		
CONTACT	dillard Exxon		
DATE OF RECEIPT	9/21/00		
DATE OF DEPOSIT	9/21/01		
WASTE DESCRIPTION	soil		
WASTE CODE	ADC		

The above is a recommendation of the Vasco Road Landfill. It must be understood that management of the waste for disposal must be in compliance with the facility's permit and applicable federal, state and local regulations. The approval is based upon a review of the information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical composition and physical properties to that as defined above.

At The Request of Exxon Mobil

A MINIMUM OF ONE SIGNED AND COMPLETED COPY OF THIS FORM MUST ACCOMPANY EACH LOAD. ONE COPY WILL BE RETAINED BY THE VASCO ROAD LANDFILL.

Jaws

Arnell

Generator Signature

9-22-00

Date

DTI # 2003/319
P.O. # 09-35414

TRANSPORTER INFORMATION

Transporter to complete this section

COMPANY NAME	DILLARD ENVIRONMENTAL SERVICES
ADDRESS	P.O. Box 579
CITY	BYRON, CA 94514
PHONE	(925) 634-6850
DRIVER NAME	NOAH McLEARY
DRIVER ID	349842F

John McLeary

Driver Signature

9-25-00

Date

DESTINATION INFORMATION

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Signature of Vasco Road Landfill employee

4001 North Vasco Road, Livermore - Phone: 925-447-0491 - Fax: 925-447-3086 or 925-447-0499

[Signature]

Date