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September 10, 1993

Larry Seto, Haz. Mat. Specialist
Alameda County Health Care Service
Department of Environmental Health
80 Swan Way, Rm. 200
Oakland, CA 94621

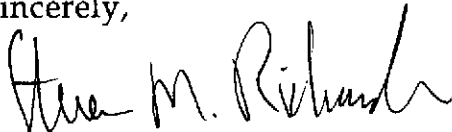
Subject: Desert Petroleum Station #796
2844 Mountain Blvd.
Oakland, California

Dear Mr. Seto:

Enclosed is the most recent Groundwater Monitoring Report for Desert Petroleum's Station No. 796, located in Oakland, California.

Please call me if you have any questions.

Sincerely,



Steven M. Richardson, RG #4684
Project Geologist

cc: John Rutherford
Desert Petroleum

enclosure

RSI

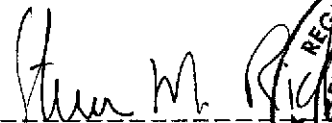
REMEDATION SERVICE, INT'L.

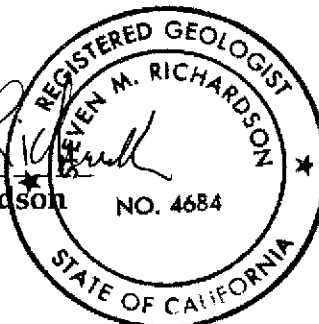
2060 KNOLL DRIVE, SUITE 200, VENTURA, CALIFORNIA 93003
(805) 644-5892 • FAX (805) 654-0720

MONITORING REPORT
for
DESERT PETROLEUM STATION NUMBER 796
2844 Mountain Boulevard
Oakland, CA

Prepared for:
DESERT PETROLEUM
2060 Knoll Drive
Ventura, CA 93003

Prepared by:
RSI - REMEDIATION SERVICE, INT'L
P.O. Box 1601
Oxnard, CA 93032


Steven M. Richardson
R.G. #4684



September 8, 1993

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1.0 INTRODUCTION

This report presents the results of groundwater monitoring and gives an update of remedial activity for Desert Petroleum Station Number 796. The subject property is located at 2844 Mountain Boulevard in Oakland, Alameda County, California (Figure 1). Elevated concentrations of gasoline have been identified in both the soil and shallow groundwater at this site.

1.1 Site Description

The site is located at the intersection of Mountain Boulevard and Werner Court in Oakland, California (Figure 2). It is ~~currently occupied by a retail gasoline station operating under the ARCO trade name.~~ Site improvements include three underground storage tanks, two pump islands and an office/garage building. The tanks contain various grades of unleaded gasoline and have individual storage capacities of 3,000, 4,000, and 10,000 gallons.

1.2 Background

Soil contamination was originally identified during replacement of the product lines in March, 1989. Analytical results of soil samples collected from beneath the lines near the pump islands showed total petroleum hydrocarbons as gasoline (TPH) concentrations of less than 100 parts per million (ppm). Another sample from the southern edge of the premium unleaded tank contained a TPH concentration of 8,400 ppm. In July, 1989, On-Site Technologies excavated and disposed of contaminated soil from the southern end of the premium unleaded tank (On-Site Technologies technical report dated 8/31/89).

Further assessment of the site was conducted by RSI in May, 1990 (RSI technical report dated July 25, 1990). Four groundwater monitoring wells were installed and sampled at the locations shown on Figure 2. Soil samples collected above the water table showed TPH concentrations ranging from 1 to 240 ppm. TPH concentrations were detected in the groundwater samples collected from all the wells; the highest concentration (23 ppm) was found in monitoring well RS-2.

Active remediation of soil contamination began at the site in June, 1991, using an RSI S.A.V.E. System to vacuum extract gasoline hydrocarbons from the soil. Groundwater remediation began in October, 1991. Groundwater was pumped from wells RS-1 and RS-2 and treated with the S.A.V.E. equipment. Active remediation was suspended in February, 1992, because Desert Petroleum filed bankruptcy.

2.0 GROUNDWATER MONITORING

2.1 Groundwater Monitoring Procedures

The most recent groundwater monitoring episode at this site was on August 29, 1993. Monitoring was conducted by first measuring all wells for depth to water (Table 1). The wells were measured to an accuracy of 0.01 feet and the measuring point for each well was the top of the well cover. After measuring, the wells were purged and sampled. Purging was accomplished using a Grundfos electric pump. The pump and hoses were decontaminated between wells using a standard 3-bucket wash method. The wells were purged until dry or four well volumes had been removed. The purged water was monitored for temperature, conductivity and pH. These measurements along with all other pertinent data were recorded on Water Sample Logs (Appendix A).

After the wells had recharged a minimum of 80 percent, they were sampled using disposable bailers. The samples were sealed, labeled and placed on blue ice for transportation to Fruit Growers Laboratory, Inc., a state certified laboratory. All samples were analyzed for TPH using modified EPA method 8015 and for benzene, toluene, ethyl-benzene and xylenes (BTEX) using EPA method 602. The minimum detection level for TPH was 0.5 parts per million (ppm); for BTEX, the minimum detection level was 0.0003 ppm. The laboratory reports are contained in Appendix B.

2.2 Groundwater Monitoring Results

As shown on Table 1, depth to groundwater ranged from 7.19 to 9.68 feet. The maximum calculated groundwater gradient was 0.045 during the August, 1993 sampling episode. As shown on Figures 3, the general direction of groundwater flow is in a southwesterly direction. No floating product was found in any of the wells.

Analytical results for the samples collected during the sampling episode and all previous monitoring episodes are summarized in Table 2. The official laboratory results and Chain-of-Custody documents are included in Appendix B. As shown on Table 2, hydrocarbon concentrations have decreased significantly in wells RS-1, RS-2 and RS-4. Well RS-3 contained slightly higher BTEX concentrations than in previous sampling episodes.

3.0 REMEDIATION UPDATE

Vapor extraction and treatment began in June, 1991, with the installation of RSI's S.A.V.E. System. Groundwater extraction and treatment began October, 1991. Due to noise complaints from neighboring residents, the system was operated only sporadically. Remedial operations were suspended as of February 10, 1992, due to

Desert Petroleum's filing bankruptcy. The calculated amount of contaminant removed by both vapor and groundwater extraction is 170.5 gallons of gasoline.

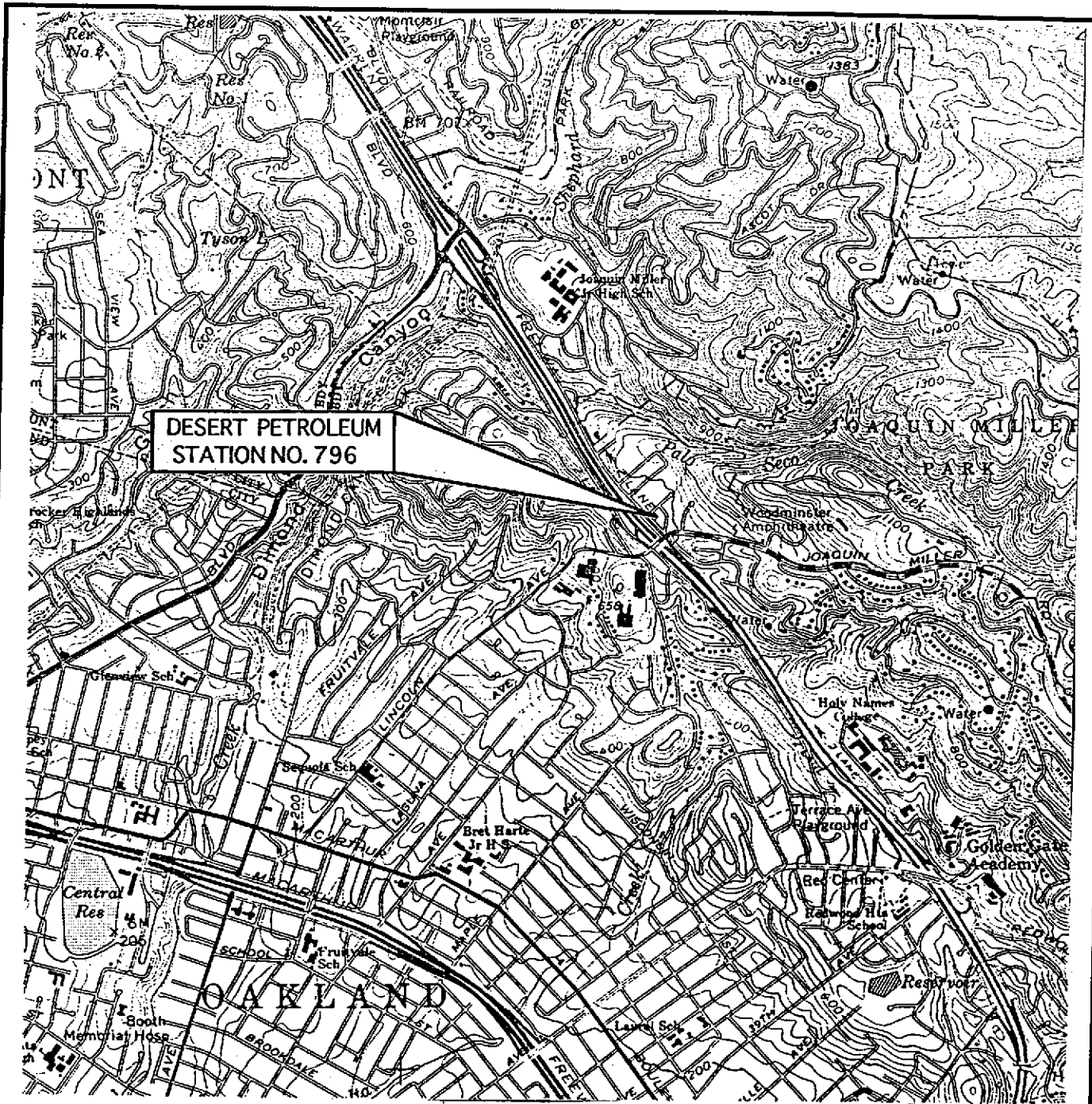
Currently, RSI is investigating the feasibility of relocating the S.A.V.E. unit to the south east portion/corner of the property to comply with noise limitations and site use constraints. The resumption of remedial operations is dependant on the release of funds for this purpose from the bankruptcy court or on funding through Senate Bill 2094.

4.0 LIMITATIONS

The discussion, conclusion and any recommendations presented in this report are based on the professional performance of the personnel who conducted the investigations, the observations of the field personnel, the results of laboratory analyses performed by a state certified laboratory, any referenced documents and our understanding of the regulations of the State of California; also, if applicable, other local regulations.

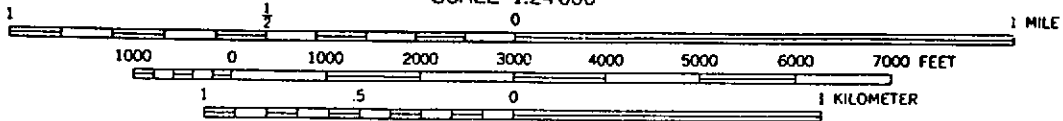
Variations in the soil and groundwater conditions may exist beyond the points explored in this investigation.

The services performed by Remediation Service, Int'l have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the State of California. No other warranty, expressed or implied, is made.



**DESERT PETROLEUM
STATION NO. 796**

SCALE 1:24 000



FROM U.S.G.S. 7.5' TOPOGRAPHIC
QUADRANGLE "OAKLAND EAST,
CALIFORNIA," 1959, PHOTOREVISED
1980

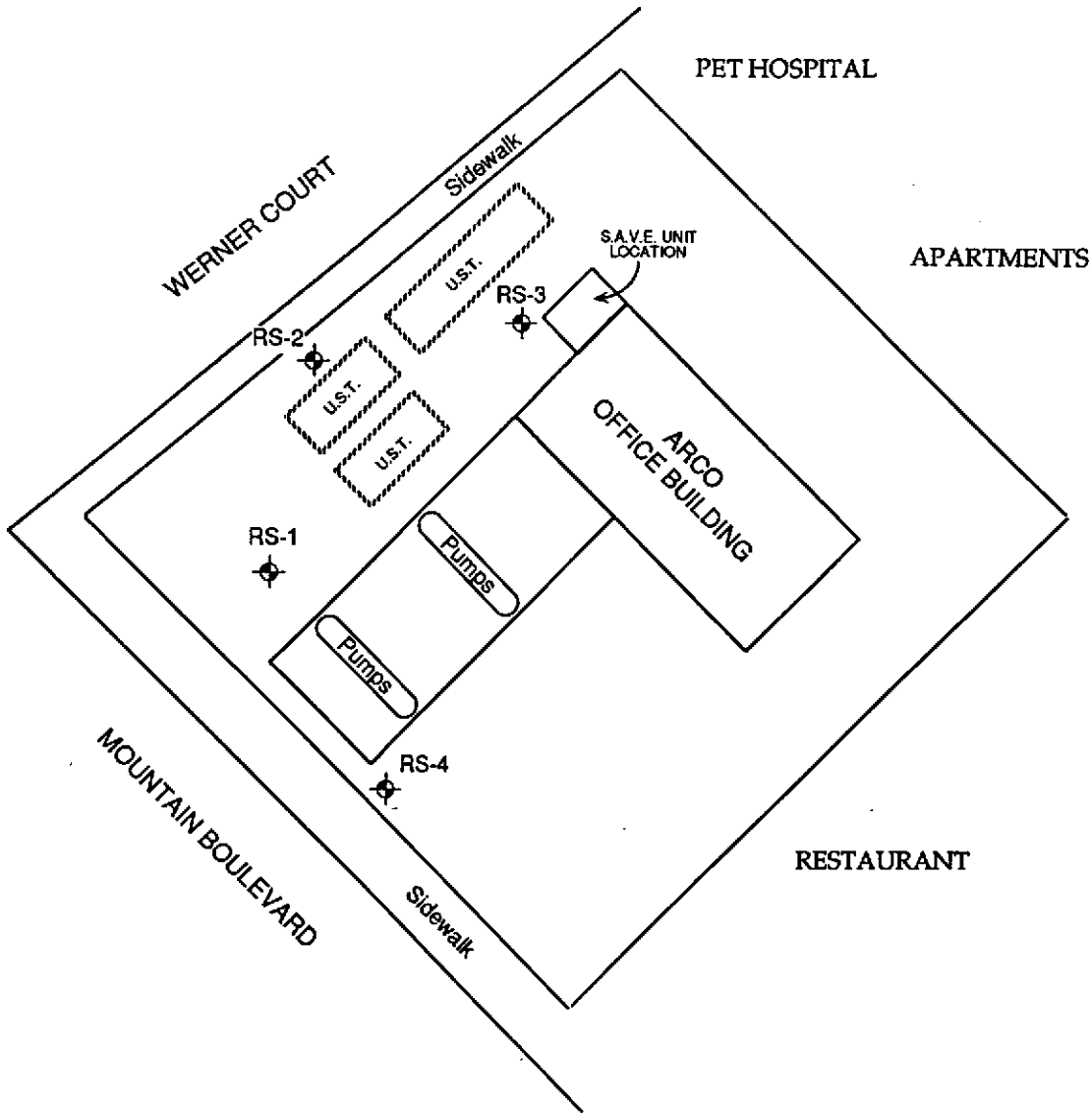


DESERT PETROLEUM, INC.

DESERT PETROLEUM STATION #796
2844 MOUNTAIN BLVD.
OAKLAND, CA

FIGURE 1: LOCATION MAP

RSI - REMEDIATION SERVICE, INT'L



MOUNTAIN BOULEVARD

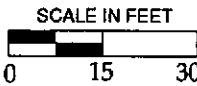
WERNER COURT

PET HOSPITAL

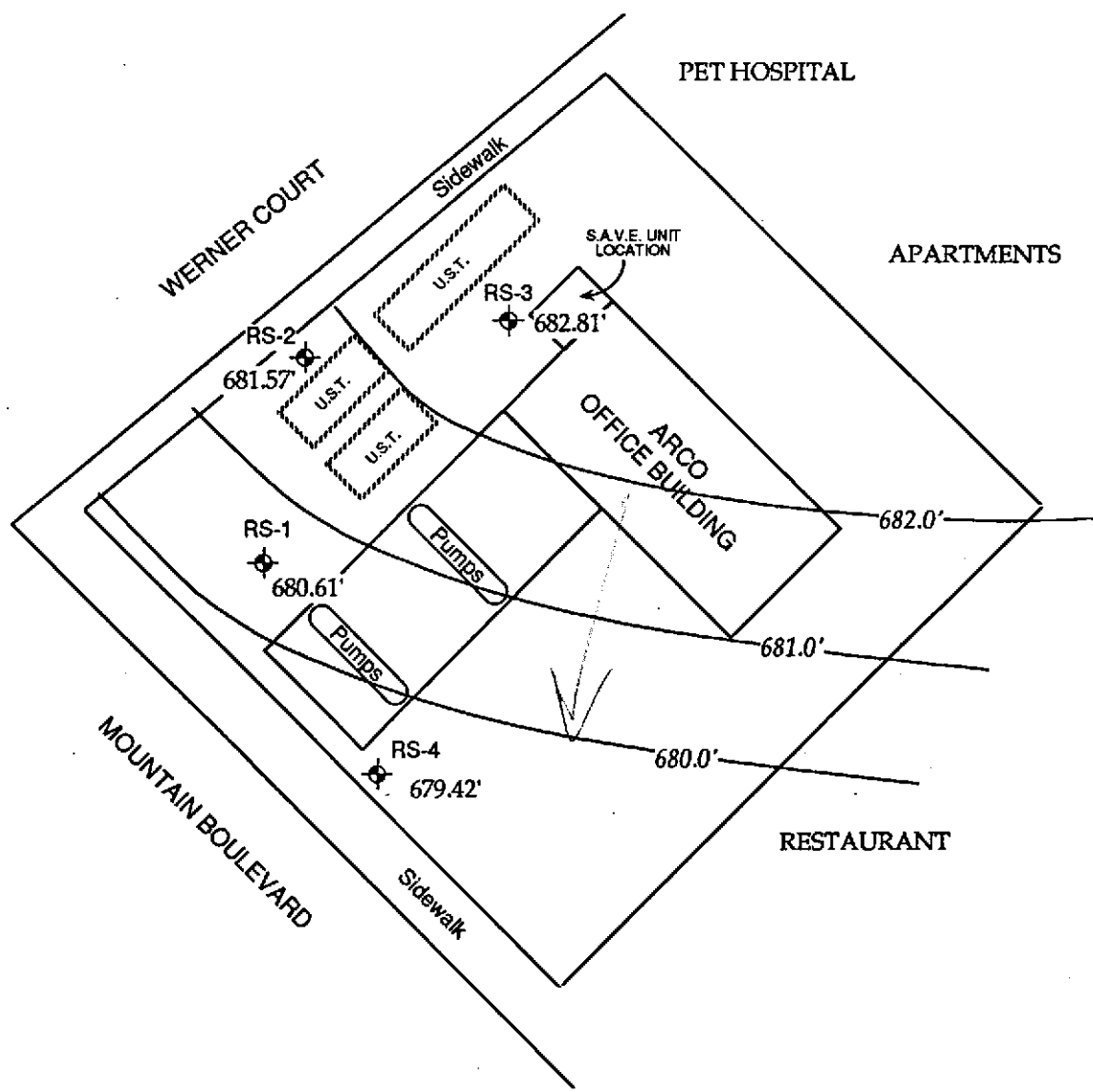
APARTMENTS

OFFICE BUILDING
ARCO

RESTAURANT



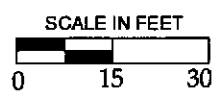
DESERT PETROLEUM, INC.
DESERT PETROLEUM STATION #796 2844 MOUNTAIN BLVD. OAKLAND, CALIFORNIA
FIGURE 2: SITE MAP
RSI REMEDIATION SERVICE, INTL.



LEGEND

 678.00 GROUND WATER CONTOUR LINE

 RS-4 679.42' MONITORING WELL LOCATION WITH GROUND WATER ELEVATION



DESERT PETROLEUM, INC.
DESERT PETROLEUM STATION #796 2844 MOUNTAIN BLVD. OAKLAND, CALIFORNIA
FIGURE 3: GROUND WATER ELEVATION MAP AUGUST 23, 1993
RSI REMEDIATION SERVICE, INT'L.

**TABLE 1
GROUNDWATER DATA**

**DESERT PETROLEUM STATION #796
2844 MOUNTAIN BLVD.
OAKLAND, CA**

Measurements are in feet.

Well	Date Measured	Depth to Water*	Well Head Elevation**	Water Table Elevation	Change in Elevation
RS-1	5/90	7.20	689.25	682.05	
	5/91	8.35	689.25	680.90	-1.15
	10/91	10.22	689.17	678.95	-1.95
	1/92	8.06	689.17	681.11	2.16
	1/93	5.30	689.17	683.87	2.76
	8/93	8.56	689.17	680.61	-3.26
RS-2	5/90	7.06	689.00	681.94	
	5/91	7.14	689.00	681.86	-0.08
	10/91	8.84	688.89	680.05	-1.81
	1/92	7.34	688.89	681.55	1.50
	1/93	4.10	688.89	684.79	3.24
	8/93	7.32	688.89	681.57	-3.22
RS-3	5/90	6.00	690.00	684.00	
	5/91	6.76	690.00	683.24	-0.76
	10/91	8.98	690.00	681.02	-2.22
	1/92	6.81	690.00	683.19	2.17
	1/93	4.05	690.00	685.95	2.76
	8/93	7.19	690.00	682.81	-3.14
RS-4	5/90	8.34	689.06	680.72	
	5/91	9.50	689.06	679.56	-1.16
	10/91	10.82	689.10	678.28	-1.28
	1/92	9.31	689.10	679.79	1.51
	1/93	6.89	689.10	682.21	2.42
	8/93	9.68	689.10	679.42	-2.79

*Depth of water measured from top of well cover.

**Elevation of RS-3 approximated from U.S.G.S Topographical Map. All other wells surveyed in relation to RS-3.

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

DESERT PETROLEUM STATION #796
 2844 MOUNTAIN BLVD.
 OAKLAND, CA

8-24-93

Results are in parts per million

WELL #	DATE SAMPLED	TPH ^{ppb}	BENZENE ^{ppb}	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
RS-1	5/90	2.7	0.37	0.42	0.04	0.32
	5/91	1.3	0.58	0.13	0.062	0.24
	10/91	1.1	0.14	0.1	0.045	0.21
	1/92	1.7	0.0099	0.031	0.0097	0.17
	1/93	3.7	0.65	0.0092	0.051	0.17
	8/93	0.8	0.014	0.0006	0.0021	0.0078
RS-2	5/90	23	7.2	4.8	0.3	3.3
	5/91	26	14	1.8	0.75	2.9
	10/91	13	4.3	0.91	0.3	2.3
	1/92	8.3	1.8	0.92	0.14	1.7
	1/93	41	7	0.21	1.2	4.2
	8/93	19,600	5.3	0.062	0.81	1.6
RS-3	5/90	0.33	0.002	0.001	0.001	0.15
	5/91	ND<0.5	0.0004	ND<0.0003	0.0008	0.0082
	10/91	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
	1/92	ND<0.5	0.0022	0.0072	0.0006	0.0036
	1/93	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
	8/93	ND<0.5	0.003	0.006	0.0024	0.005
RS-4	5/90	0.44	0.009	0.011	0.009	0.049
	5/91	ND<0.5	0.008	0.004	0.003	0.005
	10/91	0.83	0.28	0.12	0.024	0.17
	1/92	0.62	0.034	0.0083	0.0021	0.021
	1/93	0.15	0.032	0.0017	0.0058	0.013
	8/93	ND<0.5	0.0009	0.0007	ND<0.0003	0.0003

TPH = Total petroleum hydrocarbons (gasoline)
 ND = Not detected above minimum detection levels.

APPENDIX A
WATER SAMPLE LOGS

WATER SAMPLE LOG

CLIENT: Desert Petroleum

DATE: 8/23/93

PROJECT: DP 796

LOCATION: 2844 Mountain Blvd., Oakland, CA

WELL NUMBER: RS-1

WEATHER CONDITIONS: Clear and sunny.

FIELD OBSERVATIONS: _____

TOTAL DEPTH OF WELL: 29.76 feet CASING DIAMETER: 4 inches

DEPTH TO FREE PRODUCT: NONE ONE WELL VOLUME = 13.84 gallons

DEPTH TO WATER: 8.56 feet PURGING METHOD: Grundfos Rediflo Pump

DEPTHS MEASURED FROM: Top of well cover.

WELL PURGING DATA

Time	Discharge (gallons)	pH	Temp in °F	Specific Conductance (µmhos/cm)	Comments (Color, Odor, Turbidity)
14:50	5	7.22	74.6	1.75	Pale green, minor HC odor, minor turb.
14:52	10	7.30	71.4	1.61	Yellow-green, minor HC odor, none
14:54	15	7.50	73.4	1.64	Yellow-green, minor HC odor, none
14:57	20	7.46	72.6	1.65	Yellow-green, minor HC odor, none
14:59	25	7.40	70.0	1.67	Pale green, minor HC odor, none
15:02	30	7.37	69.5	1.69	Pale green, minor HC odor, none
15:05	35	7.56	71.2	1.72	Pale green, minor HC odor, none
15:07	40	7.40	69.9	1.70	Pale green, minor HC odor, none
15:15	45	7.50	70.9	1.71	Gray green, minor HC odor, very turbid
15:17	46	7.51	70.3	1.70	Gray green, minor HC odor, very turbid

TOTAL DISCHARGE: 46 gallons CASING VOLUMES REMOVED: 3+

TIME SAMPLE COLLECTED: 11:00

DEPTH TO WATER AT TIME OF SAMPLE: 9.06 feet PERCENT RECHARGE: 98

METHOD OF SAMPLE COLLECTION: Disposable Bailer

APPEARANCE OF SAMPLE: Clear

AMOUNT AND SIZE OF SAMPLE CONTAINERS: 3 x 40 ml. VOA's

SAMPLE TRANSPORTED TO: FGL, Santa Paula

SAMPLED BY: EPM

RSI - REMEDIATION SERVICE, INT'L

WATER SAMPLE LOG

CLIENT: Desert Petroleum

DATE: 8/23/93

PROJECT: DP 796

LOCATION: 2844 Mountain Blvd., Oakland, CA

WELL NUMBER: RS-2

WEATHER CONDITIONS: Clear and sunny.

FIELD OBSERVATIONS: _____

TOTAL DEPTH OF WELL: 24.9 feet CASING DIAMETER: 4 inches

DEPTH TO FREE PRODUCT: NONE ONE WELL VOLUME = 11.48 gallons

DEPTH TO WATER: 7.32 feet PURGING METHOD: Grundfos Rediflo Pump

DEPTHS MEASURED FROM: Top of well cover.

WELL PURGING DATA

Time	Discharge (gallons)	pH	Temp in °F	Specific Conductance (µmhos/cm)	Comments (Color, Odor, Turbidity)
15:48	5	7.20	73.7	1.63	Gray-brn, minor HC odor, minor turb.
15:50	10	7.22	73.0	1.63	Yllw-grn, minor HC odor, minor turb.
15:51	15	7.32	75.3	1.62	Yllw-grn, minor HC odor, minor turb.
15:54	20	7.25	72.8	1.63	Yellow, minor HC odor, no turbidity
15:56	25	7.08	70.5	1.45	Yellow, minor HC odor, no turbidity
16:00	30	7.09	70.0	1.52	Yellow, minor HC odor, no turbidity
16:03	31	7.05	70.0	1.50	Yellow, minor HC odor, no turbidity

TOTAL DISCHARGE: 31 gallons CASING VOLUMES REMOVED: 2.7

TIME SAMPLE COLLECTED: 11:15

DEPTH TO WATER AT TIME OF SAMPLE: 10.72 feet PERCENT RECHARGE: 81

METHOD OF SAMPLE COLLECTION: Disposable Bailer

APPEARANCE OF SAMPLE: Clear

AMOUNT AND SIZE OF SAMPLE CONTAINERS: 3 x 40 ml. VOA's

SAMPLE TRANSPORTED TO: FGL, Santa Paula

SAMPLED BY: EPM

RSI - REMEDIATION SERVICE, INTL

WATER SAMPLE LOG

CLIENT: Desert Petroleum

DATE: 8/23/93

PROJECT: DP 796

LOCATION: 2844 Mountain Blvd., Oakland, CA

WELL NUMBER: RS-3

WEATHER CONDITIONS: Clear, sunny & warm.

FIELD OBSERVATIONS: Lower pump rate after 30 gallons.

TOTAL DEPTH OF WELL: 24.89 feet CASING DIAMETER: 4 inches

DEPTH TO FREE PRODUCT: NONE ONE WELL VOLUME = 11.56 gallons

DEPTH TO WATER: 7.19 feet PURGING METHOD: Grundfos Rediflo Pump

DEPTHS MEASURED FROM: Top of well cover.

WELL PURGING DATA					
Time	Discharge (gallons)	pH	Temp in °F	Specific Conductance (µmhos/cm)	Comments (Color, Odor, Turbidity)
12:46	0	7.26	78.1	1.24	Pale tan, no odor, slight turbidity.
12:48	5	7.22	70.6	1.13	Pale tan, no odor, slight turbidity.
12:50	10	7.28	72.7	1.14	Clear, no odor, slight turbidity.
12:52	15	7.34	73.8	1.11	Clear, no odor, slight turbidity.
12:54	20	7.39	72.1	1.08	Clear, no odor, slight turbidity.
12:56	25	7.44	70.9	1.12	Clear, no odor, slight turbidity.
12:58	30	7.48	69.1	1.10	Clear, no odor, slight turbidity.
13:03	35	7.56	70.5	1.10	Pale green, no odor, medium turbidity
13:08	40	7.60	69.4	1.08	Pale green, no odor, medium turbidity
13:13	42	7.61	69.5	1.08	Pale green, no odor, medium turbidity

TOTAL DISCHARGE: 42 gallons CASING VOLUMES REMOVED: 3.6

TIME SAMPLE COLLECTED: 10:35

DEPTH TO WATER AT TIME OF SAMPLE: 7.31 feet PERCENT RECHARGE: 99

METHOD OF SAMPLE COLLECTION: Disposable Bailer

APPEARANCE OF SAMPLE: Clear

AMOUNT AND SIZE OF SAMPLE CONTAINERS: 3 x 40 ml. VOA's

SAMPLE TRANSPORTED TO: FGL, Santa Paula

SAMPLED BY: EPM

RSI - REMEDIATION SERVICE, INT'L

WATER SAMPLE LOG

CLIENT: Desert Petroleum

DATE: 8/23/93

PROJECT: DP 796

LOCATION: 2844 Mountain Blvd., Oakland, CA

WELL NUMBER: RS-4

WEATHER CONDITIONS: Clear and warm.

FIELD OBSERVATIONS: Well is near pump island. Customers pumping gas during sampling.

TOTAL DEPTH OF WELL: 25.99 feet CASING DIAMETER: 4 inches

DEPTH TO FREE PRODUCT: NONE ONE WELL VOLUME = 10.65 gallons

DEPTH TO WATER: 9.68 feet PURGING METHOD: Grundfos Rediflo Pump

DEPTHS MEASURED FROM: Top of well cover.

WELL PURGING DATA

Time	Discharge (gallons)	pH	Temp in °F	Specific Conductance (µmhos/cm)	Comments (Color, Odor, Turbidity)
13:43	5	7.68	76.7	1.68	Gray-tan, no odor, slight turbidity.
13:45	10	7.52	72.7	1.32	Clear, no odor, no turbidity.
13:45	15	7.38	73.4	1.32	Clear, no odor, no turbidity.
13:51	20	7.45	71.5	1.35	Clear, no odor, no turbidity.
13:53	25	7.55	70.5	1.30	Clear, no odor, no turbidity.
13:58	31	7.54	70.4	1.28	Clear, no odor, no turbidity.

TOTAL DISCHARGE: 30 gallons CASING VOLUMES REMOVED: 2.9

TIME SAMPLE COLLECTED: 10:50

DEPTH TO WATER AT TIME OF SAMPLE: 10.01 feet PERCENT RECHARGE: 98

METHOD OF SAMPLE COLLECTION: Disposable Bailer

APPEARANCE OF SAMPLE: Clear

AMOUNT AND SIZE OF SAMPLE CONTAINERS: 3 x 40 ml. VOA's

SAMPLE TRANSPORTED TO: FGL, Santa Paula

SAMPLED BY: EPM

RSI - REMEDIATION SERVICE, INT'L

APPENDIX B
LABORATORY REPORTS
AND
CHAIN OF CUSTODY

FGL ENVIRONMENTAL, INC.
Laboratory Worksheet

Lab # SP 304758-1

UGSTA-L

Results Due by: 09/03/1993

Sample Expires: 09/07/1993

Customer: RSI

2-13756:RS-1

Description: RS-1

Phone # (805)644-5892

Site/Project: DP-796

Sampled By : Eamon Moriarty

Employed By: RSI

Received From: Eamon Moriarty

Received By: Gina Kolakowski

Date: Time	VOA==>GRAB	Type: MW	Monitoring Well
Sampled : 08/24/1993 11:00		Preserv. #1	
Received : 08/25/1993 13:35		Preserv. #2	HCl or NaHSO4 pH < 2
Extracted :	Batch: _____	Preserv. #3	COOL

Chain of Custody
Remarks:

CONSTITUENT	EPA METHOD	UNITS	DLR	SAMPLE RESULTS	LAB BLANK	
					DLR	RESULTS
BTEX						
Benzene	602	ug/L	0.3	14 ✓		
Ethyl Benzene	602	ug/L	0.3	2.1		
Toluene	602	ug/L	0.3	0.6		
Xylene	602	ug/L	0.3	7.8		
TPH-Gas	8015M	mg/L	0.5	0.9 ✓		

Analyst: [Signature]

Results Checked By: [Signature]

Date Analyzed: 8/27/93

FAKED
SEP 03 1993

DUE
AUG 31 1993

FGL ENVIRONMENTAL, INC.
Laboratory Worksheet

Lab # SP 304758-2

UGSTA-L

Results Due by: 09/03/1993

Sample Expires: 09/07/1993

Customer: RSI

2-13756:RS-2

Description: RS-2

Phone # (805)644-5892

Site/Project: DP-796

Sampled By : Eamon Moriarty

Employed By: RSI

Received From: Eamon Moriarty

Received By: Gina Kolakowski

Date:Time	VOA==>GRAB	Type: MW Monitoring Well
Sampled : 08/24/1993 11:15	Preserv. #1	
Received : 08/25/1993 13:35	Preserv. #2 HCl or NaHSO4 pH < 2	
Extracted : <u>9/14</u> <u>9/1/93</u> Batch: <u>A</u>	Preserv. #3	COOL

Chain of Custody
Remarks:

CONSTITUENT	EPA METHOD	UNITS	DLR	SAMPLE RESULTS	LAB BLANK DLR	RESULTS
BTEX						
Benzene	602	ug/L	30	0.3		5300 ✓
Ethyl Benzene	602	ug/L		0.3		810 ✓
Toluene	602	ug/L		0.3		62 ✓
Xylene	602	ug/L		0.3		1600 ✓
TPH-Gas	8015M	mg/L		0.5		19 ✓

Analyst: [Signature]

Results Checked By: [Signature]

Date Analyzed: 9/1/93

DUE
SEP 03 1993

FAXED
SEP 03 1993
#Pages -----

FGL ENVIRONMENTAL, INC.
Laboratory Worksheet

Lab # SP 304758-3

UGSTA-L

Results Due by: 09/03/1993

Sample Expires: 09/07/1993

Customer: RSI

2-13756:RS-3

Description: RS-3

Phone # (805)644-5892

Site/Project: DP-796

Sampled By : Eamon Moriarty

Employed By: RSI

Received From: Eamon Moriarty

Received By: Gina Kolakowski

Date:Time	VOA==>GRAB	Type: MW Monitoring Well
Sampled : 08/24/1993 10:35		Preserv. #1
Received : 08/25/1993 13:35		Preserv. #2 HCl or NaHSO4 pH < 2
Extracted :	Batch: _____	Preserv. #3

COOL

Chain of Custody

Remarks:

CONSTITUENT	EPA METHOD	UNITS	DLR	SAMPLE RESULTS	LAB BLANK	
					DLR	RESULTS
BTEX						
Benzene	602	ug/L	0.3	3.30 ✓		ND ↓ ✓
Ethyl Benzene	602	ug/L	0.3	2.4		
Toluene	602	ug/L	0.3	10.0		
Xylene	602	ug/L	0.3	5.0		
TPH-Gas	8015M	mg/L	0.5	NO ✓		

Analyst: [Signature]

Results Checked By: [Signature]

Date Analyzed: 9/1/93

DUE
 SEP 03 1993
 # Pages _____

FGL ENVIRONMENTAL, INC.
Laboratory Worksheet

Lab # SP 304758-4

UGSTA-L

Results Due by: 09/03/1993

Sample Expires: 09/07/1993

Customer: RSI

2-13756:RS-4

Description: RS-4

Phone # (805)644-5892

Site/Project: DP-796

Sampled By : Eamon Moriarty

Employed By: RSI

Received From: Eamon Moriarty

Received By: Gina Kolakowski

Date:Time	VOA==>GRAB	Type: MW	Monitoring Well
Sampled : 08/24/1993 10:50		Preserv. #1	
Received : 08/25/1993 13:35		Preserv. #2	HCl or NaHSO4 pH < 2
Extracted :	Batch: _____	Preserv. #3	COOL

Chain of Custody
Remarks:

CONSTITUENT	EPA METHOD	UNITS	DLR	SAMPLE RESULTS	LAB BLANK	
					DLR	RESULTS
BTEX						
Benzene	602	ug/L	0.3	0.9 ✓		
Ethyl Benzene	602	ug/L	0.3	ND		
Toluene	602	ug/L	0.3	0.7		
Xylene	602	ug/L	0.3	0.3		
TPH-Gas	8015M	mg/L	0.5	ND ✓		

Analysed

[Signature]

Results Checked By:

Date Analyzed:

9/1/93

FAXED
SEP 03 1993

DUE
SEP 03 1993

FGL ENVIRONMENTAL, INC.
Laboratory Worksheet

Lab # SP 304758-5

UGSTA-L

Results Due by: 09/03/1993

Sample Expires: 09/07/1993

Customer: RSI
Description: Field Blank
Site/Project: DP-796

2-13756:Field Blank
Phone # (805)644-5892

Sampled By : Eamon Moriarty
Received From: Eamon Moriarty

Employed By: RSI
Received By: Gina Kolakowski

Date:Time	VOA==>GRAB	Type: MW	Monitoring Well
Sampled : 08/24/1993 11:30		Preserv. #1	
Received : 08/25/1993 13:35		Preserv. #2	HCl or NaHSO4 pH < 2
Extracted :	Batch: _____	Preserv. #3	COOL

Chain of Custody
Remarks:

CONSTITUENT	EPA METHOD	UNITS	DLR	SAMPLE RESULTS	LAB BLANK DLR RESULTS
BTEX					
Benzene	602	ug/L	0.3	ND	
Ethyl Benzene	602	ug/L	0.3	↓	
Toluene	602	ug/L	0.3	↓	
Xylene	602	ug/L	0.3	↓	
TPH-Gas	8015M	mg/L	0.5	NO	

Analyst: Spase Results Checked By: JK Date Analyzed: 8/27/93

DUF
AUG 31 1993

FAXED
SEP 03 1993

