



1386 EAST BEAMER STREET  
WOODLAND, CA 95776-6003  
FAX (916) 662-0273  
(916) 668-5300

CALIF CONTRACTOR # 513857 A CORPORATION  
REGISTERED GEOLOGISTS

August 18, 1997

Mr. John Rutherford  
Desert Petroleum  
Inc. P.O. Box 1601  
Oxnard, California 93032  
(805) 644-6784 FAX (805) 654-0720

RE: June 1997 Quarterly Groundwater Sampling Report for Former Desert Petroleum Station #796, 2844 Mountain Boulevard, Oakland, California.

Dear Mr. Rutherford:

As you requested Western Geo-Engineers (WEGE) has performed the quarterly monitoring/sampling of this site. The following report represents WEGE's JUNE 1997 Quarterly Groundwater Sampling.

## INTRODUCTION

A WEGE sample technician monitored and sampled the four existing groundwater monitoring wells on May 28, 1997. During this site visit, free product was found in RS-1.

## LOCATION

The site is an operating ARCO service station that retails regular unleaded, super unleaded gasoline and diesel and is also an operating garage performing automobile maintenance. The site is located East of Highway 13 at 2844 Mountain Blvd., Oakland, California, west of Joaquin Miller Park.

## GROUNDWATER SAMPLING

Table 1 is a summary of groundwater monitoring of this site since May 1990. ~~The most recent~~ recent sampling/monitoring, May 28, 1997 found 0.08 feet of free product in monitor well RS-1. RS-2 contains high levels of dissolved gasoline range hydrocarbons. RS-3 and RS-4 contain minor amounts of dissolved gasoline range hydrocarbons. MTBE was tested for in RS-1, RS-2, RS-3 and RS-4. RS-2 contained the highest concentration at 390 mg/L, this sample was confirmed with GC/MS 8260 method, see Appendix A for Laboratory report.

~ 1"  
390,000 ug/l MTBE!  
97 AUG 27 PM 3:04

ENVIRONMENTAL  
PROTECTION

## **GROUNDWATER GRADIENT "FLOW DIRECTION"**

Figure 4 depicts groundwater elevations as measured on May 28, 1997. This figure shows a gradient flow to the southwest, which concurs with the local topography, see Figure 2.

## **INTERIM PRODUCT RECOVERY**

Commencing on October 1, 1996, weekly purging and venting of RS-1 was being utilized for removal of free phase product and interim migration control. This purging was terminated on December 3, 1996 to evaluate more cost effective product removal measures. RS-2 and RS-3 were also purged of water and vented for approximately 15 minutes each visit. As of December 3, 1996 a calculated 30.4 gallons of gasoline range hydrocarbons had been removed by purging, bailing free product and while purging 1077 gallons of groundwater from RS-1, RS-2 and RS-3, see Table 2.

## **TIME FRAME**

September 2, 1997

Monitoring and sampling groundwater from wells RS-1, RS-2, RS-3 and RS-4.

## **HEALTH AND SAFETY**

This site is being treated as a class D site, normal common sense is to be used.

## **SAMPLE METHODS**

A WEGE technician working directly under California Registered Geologist #3037 using approved methods gauged, purged and sampled the monitor wells on May 28, 1997, see Appendix C.

### **SAMPLE PRESERVATION.**

Each sample was placed into two, certified clean, glass, 40 ml VOAs with laboratory installed HCl preservative. The samples were then labeled and placed on ice for Chain of Custody delivery to North State Environmental laboratories

### **ANALYTICAL METHODS AND DHS LABORATORY SELECTED.**

WEGE contracted North State Environmental (NSE), (ELAP Certificate No. 1753), P.O. Box 5624, South San Francisco, CA. 94083 (415) 588-2838, to perform the analysis of the groundwater samples.

NSE analyzed the samples for Total Petroleum Hydrocarbons as gasoline (TPHg) w/ BTEX distinction utilizing EPA Methods 8020 (GCFID) with 3050 extraction method as described on page 17, Table 2 of the TRI-REGIONAL BOARD STAFF RECOMMENDATIONS FOR PRELIMINARY EVALUATION AND INVESTIGATION OF UNDERGROUND TANK SITES, 10 AUGUST 1990.

NSE noted that **Methyl tertiary-Butyl Ether (MTBE)** was evident all samples. MTBE was confirmed in samples RS-1 and RS-2 by EPA method 8260, see Table 1 and Appendix A. The detection limits in water are TPH G ug/L; Benzene, Toluene, Ethylbenzene and MTBE 0.5 ug/L, Xylenes 2 ug/L.

## **RINSEATES AND PURGED GROUNDWATER STORAGE/TREATMENT.**

All rinseates and purged water produced from the groundwater sampling and weekly purging of the wells is transferred into 55 gallon DOT H17 drums for later removal by Evergreen Services to be recycled, see Appendix C.

## **LIMITATIONS**

The information presented in this report is based on the following:

1. The observations and data collected by field personnel.
2. The results of laboratory analyses performed by a state certified analytical laboratory.
3. Our understanding of the regulations of Alameda County, the City of Oakland and the State of California.
4. References reviewed for this report.

Changes in groundwater conditions can occur due to variations in rainfall, temperature, local and regional water use, and local construction practices. In addition, variations in the soil and groundwater conditions could exist beyond the points explored in this investigation.

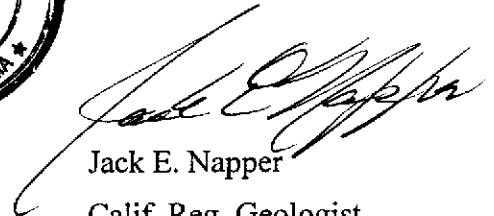
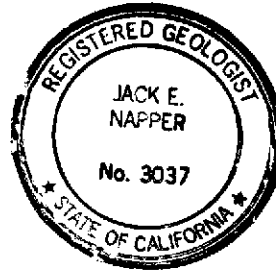
State Certified Laboratory analytical results are included in this report. This laboratory follows EPA and State of California approved procedures; however, WEGE is not responsible for errors in these laboratory results.

The services performed by Western Geo-Engineers, a corporation under California Registered Geologist #3037 and/or Contractors License #513857, 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, the City of Oakland and Alameda County. Our work and/or supervision of remediation and/or abatement operations, active or preliminary at this site is no way meant to imply that we are owners or operators of this site. Please note that the known contamination of soil and/or groundwater must be reported to the appropriate agencies in a timely manner. No other warranty expressed or implied is made.

Sincerely yours,



George L. Converse  
Project Manager/Geologist-WEGE



Jack E. Napper  
Calif. Reg. Geologist

cc: Ms. Jennifer Eberle, Alameda County Health (510) 567-6761

TABLE 1  
SUMMARY OF GROUNDWATER MONITORING  
FORMER DESERT PETROLEUM STATION #769  
2844 MOUNTAIN BOULEVARD, OAKLAND, CALIFORNIA 94602

WELL	DATE	CASING ELEVATION	DEPTH TO TOP FLUID	DEPTH TO TOP WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH GASOLINE mg/L	BENZENE ug/L	TOLUENE ug/L	ETHYL-BENZENE ug/L	XYLENES ug/L	MTBE ug/L	SAMPLED BY
1	MAY-90	689.25	7.2	7.2	0.00	682.05	2.7	370	420	40	320		RSI
	MAY-91	689.25	8.35	8.35	0.00	680.9	1.3	580	130	62	240		RSI
	OCT.-91	689.17	10.22	10.22	0.00	678.95	1.1	140	100	45	210		RSI
	JAN.-92	689.17	8.06	8.06	0.00	681.11	1.7	9.9	31	9.7	170		RSI
	JAN.-93	689.17	5.3	5.3	0.00	683.87	3.7	650	9.2	51	170		RSI
	AUG.-93	689.17	8.56	8.56	0.00	680.61	0.9	14	0.6	2.1	8		RSI
	NOV.-93	689.17	8.44	8.44	0.00	680.73	1.4	9.6	ND	0.9	5		RSI
	JAN.-94	689.17	6.88	6.88	0.00	682.29	4.2	95	3.1	58	130		RSI
	MAY-94	675.63	7.87	7.87	0.00	667.76	7.5	270	11	37	96		RSI
	AUG.-94	675.63	16.28	16.28	0.00	659.35	0.13	12	0.5	2.6	5		RSI
	NOV.-94	675.63	8.02	8.02	0.00	667.61	0.27	4.7	0.7	0.6	15		RSI
	FEB.-95	675.63	6.51	6.51	0.00	669.12	12	81	2.3	1	12		RSI
	JUN.-95	675.63	7.34	7.34	0.00	668.29	37	460	ND	ND	ND	63000	RSI
	NOV.-95	675.63	8.71	8.71	0.00	666.92	ND	660	16	140	330	31000	RSI
	FEB.-96	675.63	6.95	6.95	0.00	668.68	66	110	ND	12	21	84000	RSI
	09/18/96	675.63	8.44	8.52	0.08	667.17	ONE INCH FLOATING PRODUCT						WEGE
	12/11/96	675.63	6.42	6.62	0.20	669.17	79	4000	37000	8000	45000	220000*	WEGE
	02/21/97	675.63	6.92	6.92	0.00	668.71	1/2"	FLOATING PRODUCT					WEGE
	05/28/97	675.63	7.88	7.96	0.08	667.73	156	9400	51000	7000	45000	112000*	WEGE

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FORMER DESERT PETROLEUM STATION #769  
2844 MOUNTAIN BOULEVARD, OAKLAND, CALIFORNIA 94602

WELL	DATE	CASING ELEVATION	DEPTH TO TOP FLUID	DEPTH TO TOP WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH GASOLINE mg/L	BENZENE ug/L	TOLUENE ug/L	ETHYL- BENZENE ug/L	XYLENES ug/L	MTBE ug/L	SAMPLED BY
2	MAY-90	689	7.06	7.06	0.00	681.94	23	7200	4800	300	3300		RSI
	MAY-91	689	7.14	7.14	0.00	681.86	26	14000	1800	750	2900		RSI
	OCT.-91	688.89	8.84	8.84	0.00	680.05	13	4300	910	300	2300		RSI
	JAN.-92	688.89	7.34	7.34	0.00	681.55	8.3	1800	920	140	1700		RSI
	JAN.-93	688.89	4.1	4.1	0.00	684.79	41	7000	210	1200	4200		RSI
	AUG.-93	688.89	7.32	7.32	0.00	681.57	19	5300	62	810	1600		RSI
	NOV.-93	688.89	7.34	7.34	0.00	681.55	9.3	2400	3.9	46	800		RSI
	JAN.-94	688.89	5.52	5.52	0.00	683.37	30	4900	ND	880	2600		RSI
	MAY-94	675.25	6.4	6.4	0.00	668.85	120	3300	330	ND	2200		RSI
	AUG.-94	675.25	22.11	22.11	0.00	653.14	0.51	7.3	3.8	3.5	32		RSI
	NOV.-94	675.25	9.82	9.82	0.00	665.43	0.62	6.6	3.9	1.1	47		RSI
	FEB.-95	675.25	4.81	4.81	0.00	670.44	22	228	80	2	463		RSI
	JUN.-95	675.25	5.8	5.8	0.00	669.45	49	1300	160	200	1600	71000	RSI
	NOV.-95	675.25	7.64	7.64	0.00	667.61	ND	670	25	150	360	65000	RSI
	FEB.-96	675.25	4.69	4.69	0.00	670.56	75	1400	170	59	460	71000	RSI
	09/18/96	675.25	7.34	7.34	0.00	667.91	6.3	2000	48	350	570	160000	WEGB
	12/11/96	675.25	5.08	5.08	0.00	670.17	16	2000	840	200	3200	180000	WEGB
	02/21/97	675.25	5.42	5.42	0.00	669.83	22	2100	1300	600	5100	56000*	WEGB
	05/28/97	675.25	6.4	6.4	0.00	668.85	156	4200	89	1000	6900	390000*	WEGB

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FORMER DESERT PETROLEUM STATION #769  
2844. MOUNTAIN BOULEVARD, OAKLAND, CALIFORNIA 94602

WELL	DATE	CASING ELEVATION	DEPTH TO TOP FLUID	DEPTH TO TOP WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH GASOLINE mg/L	BENZENE ug/L	TOLUENE ug/L	ETHYL-BENZENE ug/L	XYLENES ug/L	MTBE ug/L	SAMPLED BY
RS-3	MAY-90	670	6	6	0.00	664.00	0.33	2	1	1	150		RSI
	MAY-91	670	6.76	6.76	0.00	663.24	ND	0.4	ND	0.8	8		RSI
	OCT.-91	670	8.98	8.98	0.00	661.02	ND	ND	ND	ND	ND		RSI
	JAN.-92	670	6.81	6.81	0.00	663.19	ND	2.2	7.2	0.6	4		RSI
	JAN.-93	670	4.05	4.05	0.00	665.95	ND	ND	ND	ND	ND		RSI
	AUG.-93	670	7.19	7.19	0.00	662.81	ND	30	6	2.4	5		RSI
	NOV.-93	670	7.12	7.12	0.00	662.88	ND	4.8	0.4	0.6	2		RSI
	JAN.-94	670	5.42	5.42	0.00	664.58	0.33	25	3.2	3.9	12		RSI
	MAY-94	676.2	5.78	5.78	0.00	670.42	0.67	34	4	28	70		RSI
	AUG.-94	676.2	5.86	5.86	0.00	670.34	ND	ND	ND	ND	ND		RSI
	NOV.-94	676.2	5.08	5.08	0.00	671.12	0.069	2.5	3.1	1	4		RSI
	FEB.-95	676.2	4.51	4.51	0.00	671.69	ND	0.3	0.4	ND	1		RSI
	JUN.-95	676.2	5.29	5.29	0.00	670.91	ND	ND	ND	ND	ND	66	RSI
	NOV.-95	676.2	7.1	7.1	0.00	669.10	ND	ND	ND	ND	ND	44	RSI
	FEB.-96	676.2	4.48	4.48	0.00	671.72	0.12	ND	ND	ND	ND	110	RSI
	09/18/96	676.2	6.92	6.92	0.00	669.28	1	13	8.6	10	17	33	WEGE
	12/11/96	676.2	4.9	4.9	0.00	671.30	0.085	20	2	<0.5	14	4700	WEGE
	02/21/97	676.2	4.94	4.94	0.00	671.26	0.12	5	2	2	6	850*	WEGE
	05/28/97	676.2	7.92	7.92	0.00	668.28	ND	6	ND	ND	ND	2400	WEGE

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FORMER DESERT PETROLEUM STATION #769  
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WELL	DATE	CASING ELEVATION	DEPTH TO TOP FLUID	DEPTH TO TOP WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH GASOLINE mg/L	BENZENE ug/L	TOLUENE ug/L	ETHYL-BENZENE ug/L	XYLENES ug/L	MTBE ug/L	SAMPLED BY
RS-4	MAY-90	689.06	8.34	8.34	0.00	680.72	0.44	9	11	9	49		RSI
	MAY-91	689.06	9.5	9.5	0.00	679.56	ND	8	4	3	5		RSI
	OCT.-91	689.1	10.82	10.82	0.00	678.28	0.83	280	120	24	170		RSI
	JAN.-92	689.1	9.31	9.31	0.00	679.79	0.62	34	8.3	2.1	21		RSI
	JAN.-93	689.1	6.89	6.89	0.00	682.21	0.15	32	1.7	5.8	13		RSI
	AUG.-93	689.1	9.68	9.68	0.00	679.42	ND	0.9	0.7	ND	0		RSI
	NOV.-93	689.1	9.83	9.83	0.00	679.27	ND	ND	ND	ND	ND		RSI
	JAN.-94	689.1	8.17	8.17	0.00	680.93	ND	1.7	ND	0.81	2		RSI
	MAY-94	675.38	8.69	8.69	0.00	666.69	ND	ND	ND	ND	1		RSI
	AUG.-94	675.38	9.04	9.04	0.00	666.34	0.42	6.5	4.1	1.9	40		RSI
	NOV.-94	675.38	8	8	0.00	667.38	0.13	4.1	0.7	1.7	8		RSI
	FEB.-95	675.38	7.93	7.93	0.00	667.45	ND	6	1.2	3.5	13		RSI
	JUN.-95	675.38	8.61	8.61	0.00	666.77	ND	ND	ND	ND	ND	69	RSI
	NOV.-95	675.38	10.43	10.43	0.00	664.95	ND	ND	ND	ND	ND	47	RSI
	FEB.-96	675.38	7.44	7.44	0.00	667.94	0.96	ND	ND	0.6	ND	80	RSI
	09/18/96	675.38	9.58	9.58	0.00	665.80	<0.05	<0.5	<0.5	<0.5	<2	200	WEGE
	12/11/96	675.38	7.5	7.5	0.00	667.88	0.075	<0.5	0.6	<0.5	<2	104	WEGE
	02/21/97	675.38	8.26	8.26	0.00	667.12	ND	1	1	ND	1	190*	WEGE
	05/28/97	675.38	8.92	8.92	0.00	666.46	ND	6	ND	ND	ND	110	WEGE

MTBE Methyl t-Butyl Ether

TPH Total Petroleum Hydrocarbons

mg/L Milligrams per liter (ppm)

ND or < Below laboratory detection limits

ug/L Micrograms per liter (ppb)

\* confirmed by GC/MS 8260 method.



-WEGE-

FORMER DESERT PETROLEUM #796  
2844 MOUNTAIN BOULEVARD  
OAKLAND, CALIFORNIA

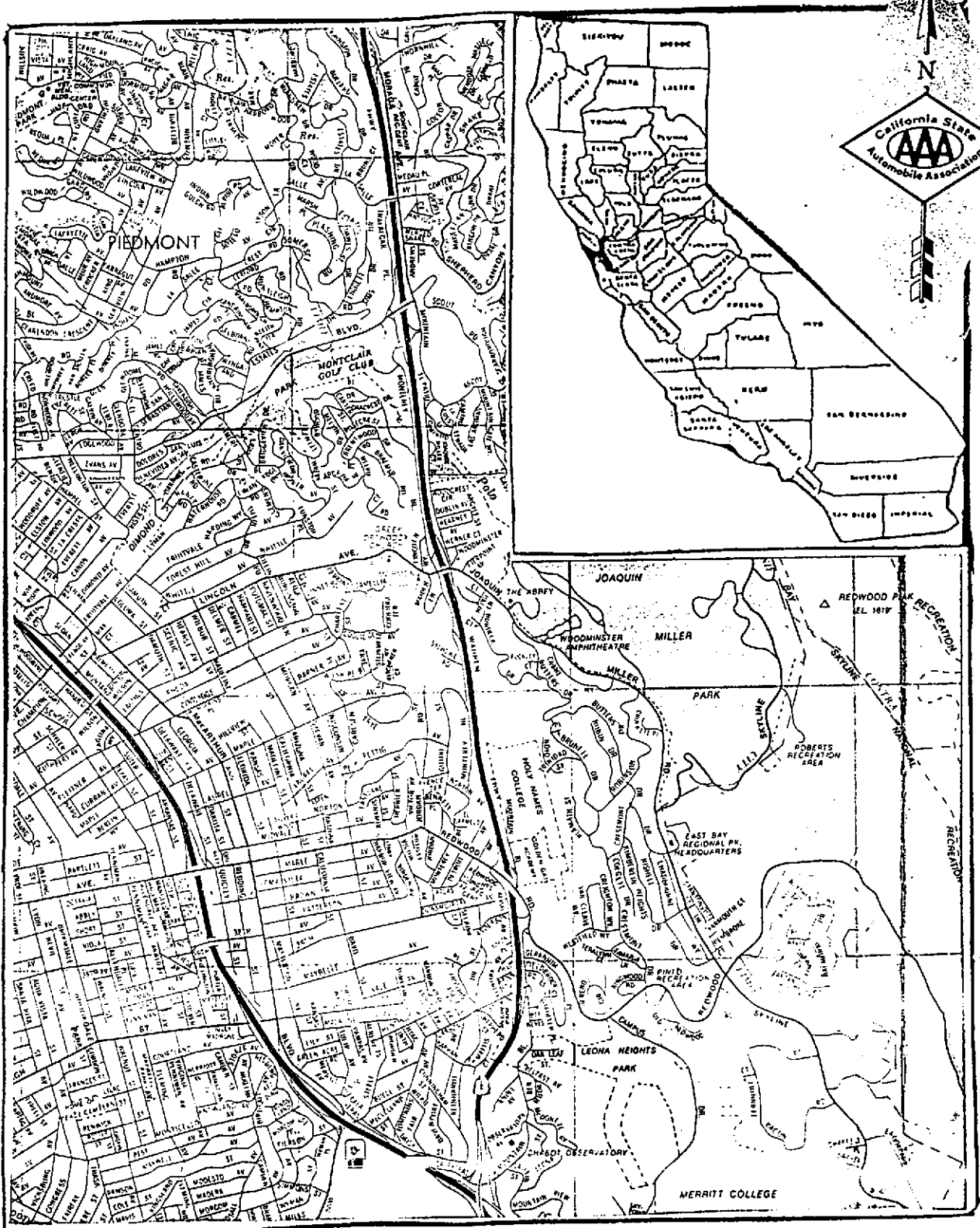


FIGURE 1

Location (AAA Map)

-WEGE-

FORMER DESERT PETROLEUM #79  
2844 MOUNTAIN BOULEVARD  
OAKLAND, CALIFORNIA

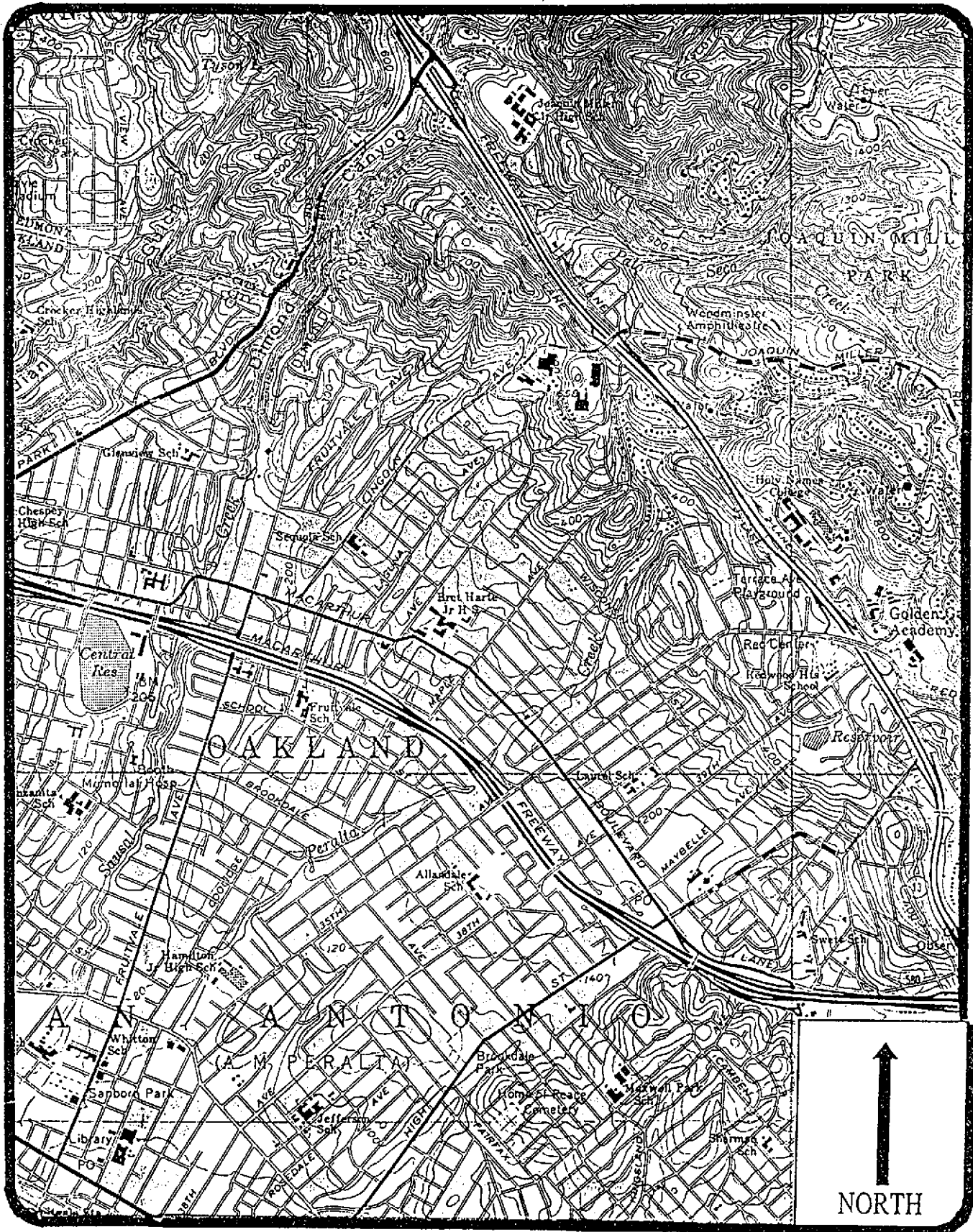
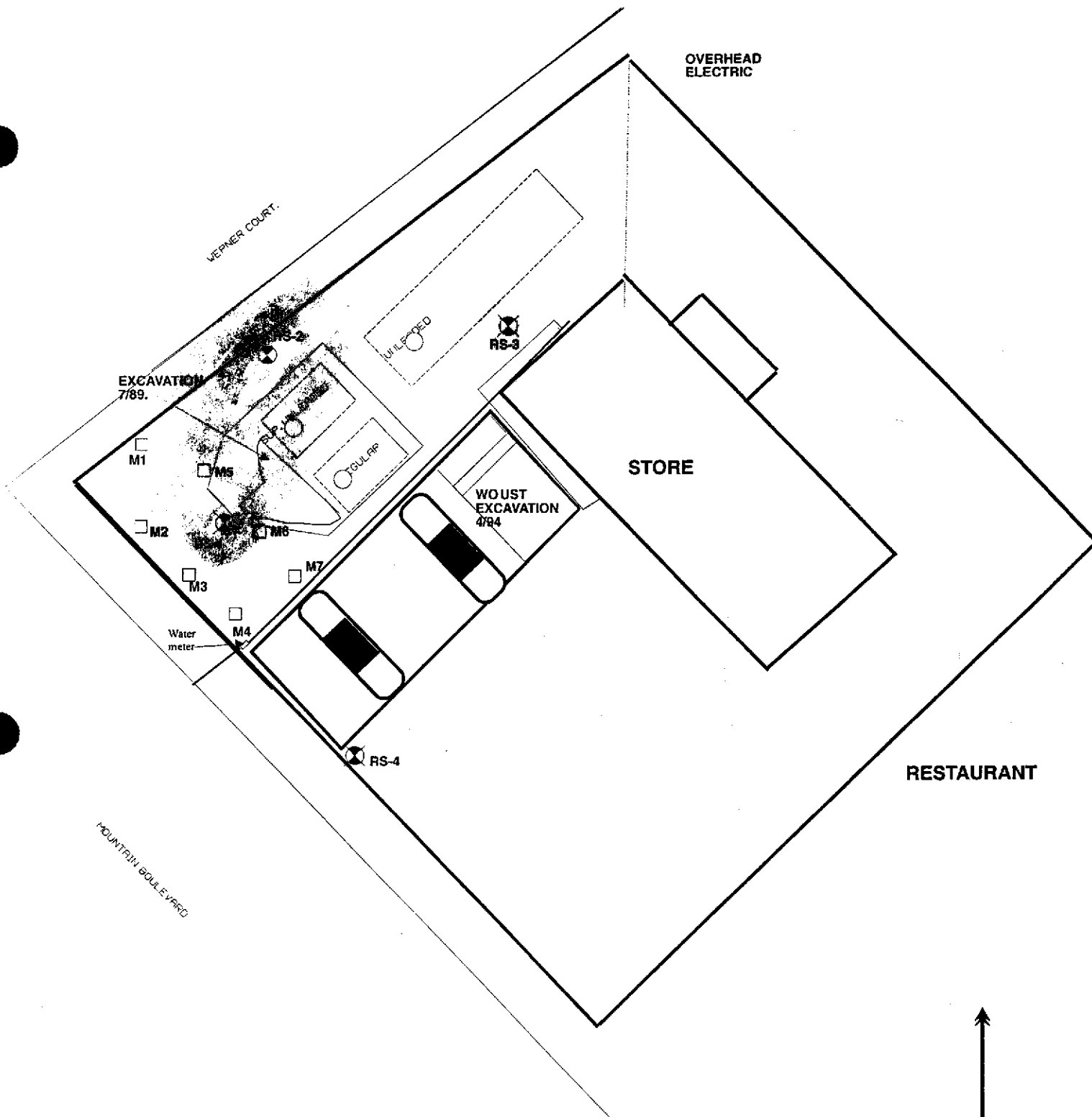


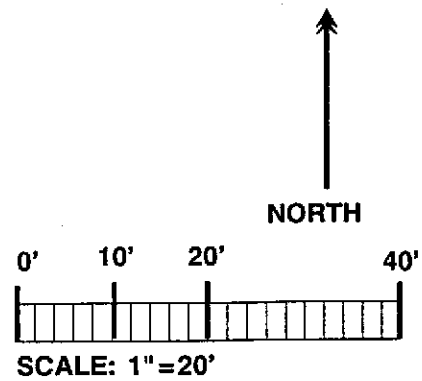
FIGURE 2, USGS TOPOGRAPHIC MAP




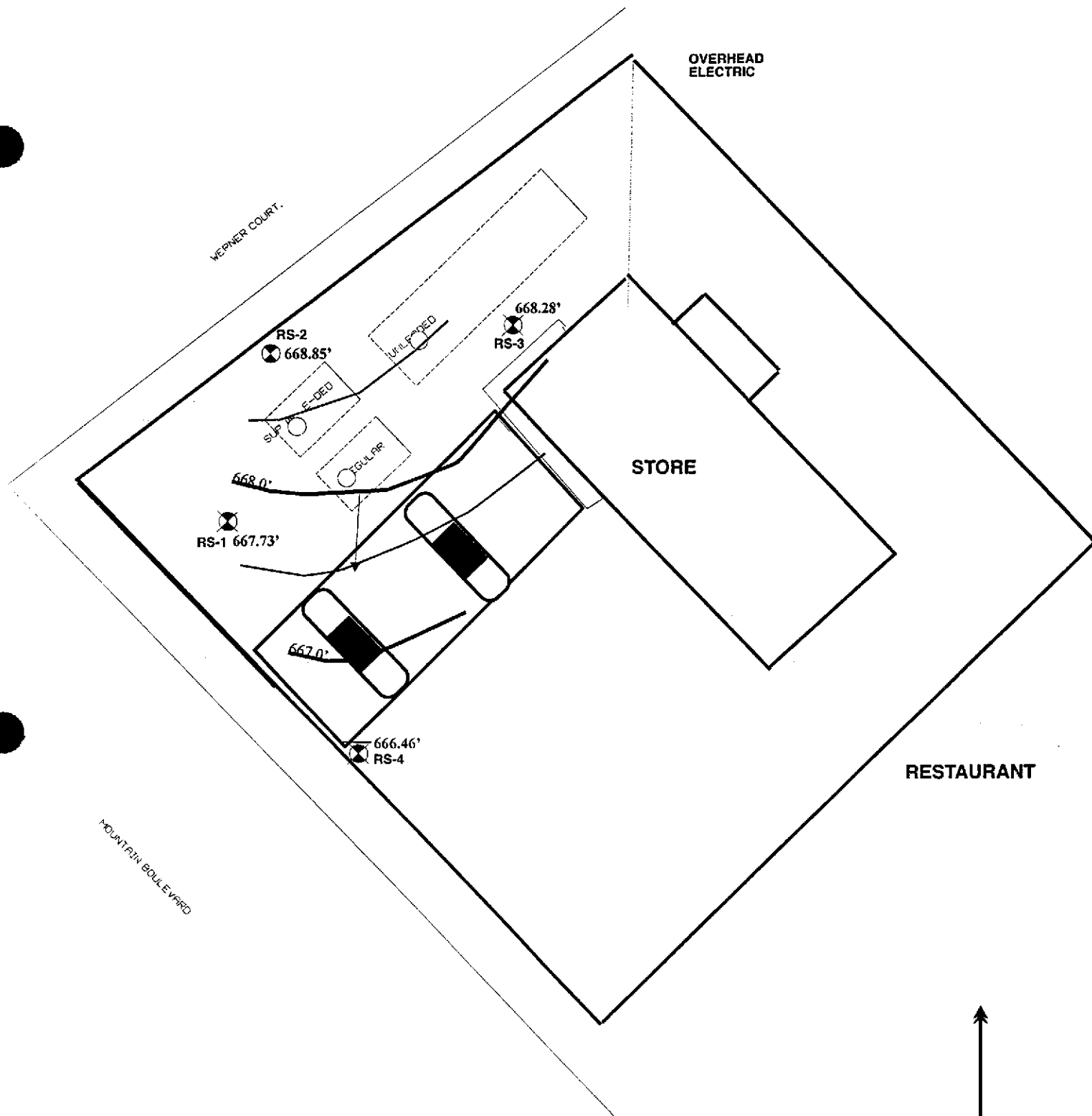
**FIGURE 3**

**FORMER DESERT PETROLEUM #796  
2844 MOUNTAIN BOULEVARD  
OAKLAND, CALIFORNIA**

**SITE CONDITIONS  
May 28, 1997**



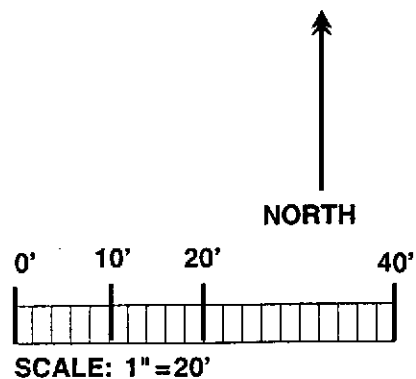
- 
**GROUNDWATER MONITORING WELL.**
- 
**SOIL PROBE TEST HOLE, JANUARY 17, 1997.**



**FIGURE 4**

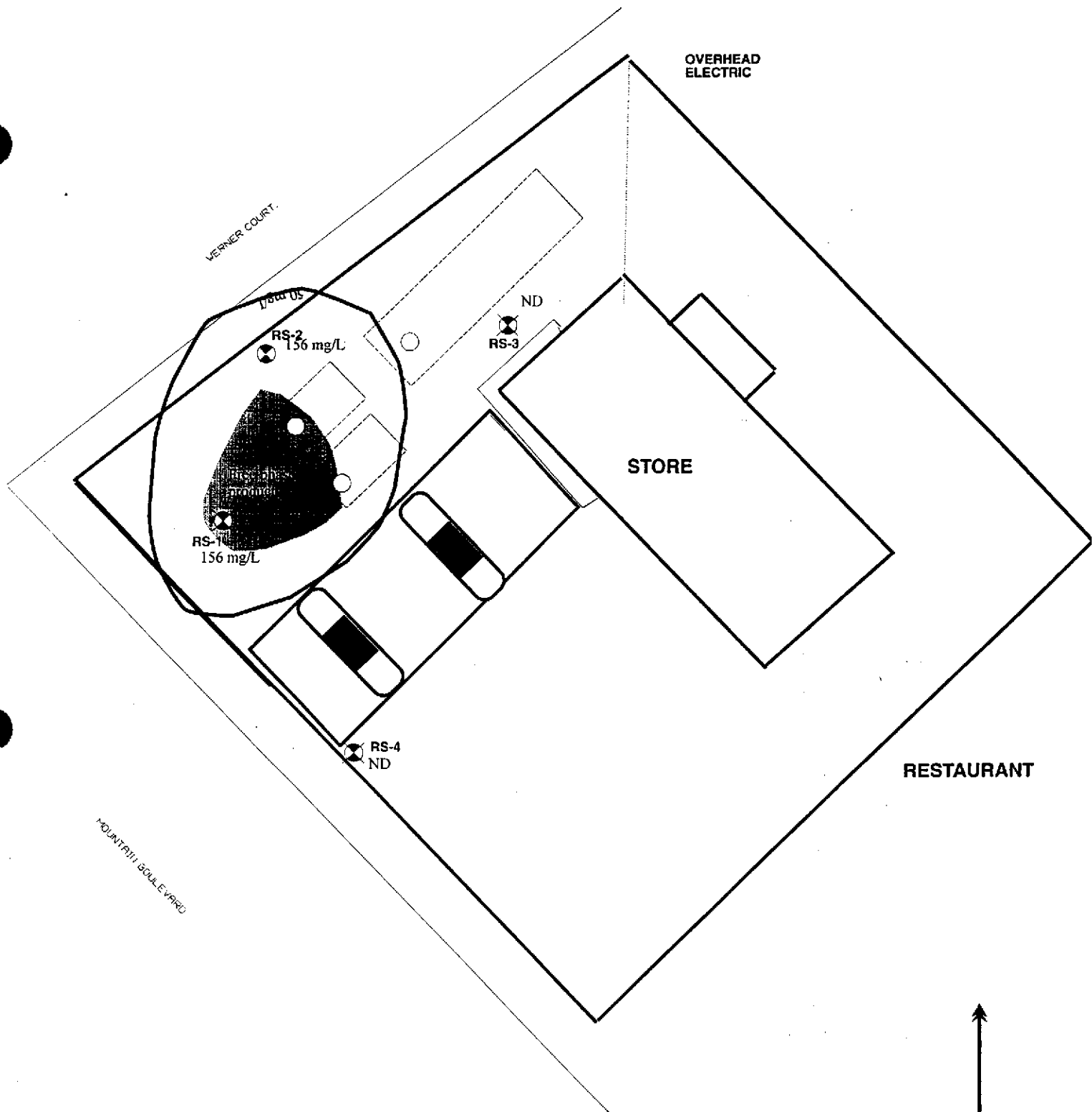
**FORMER DESERT PETROLEUM #796  
2844 MOUNTAIN BOULEVARD  
OAKLAND, CALIFORNIA**

**GROUNDWATER GRADIENT  
May 28, 1997**



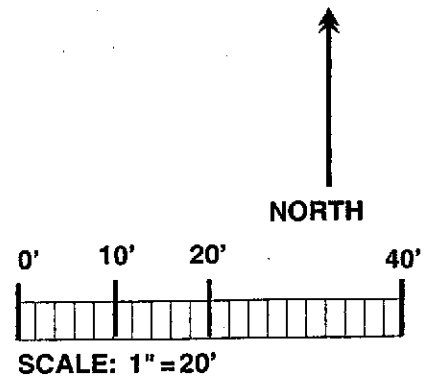
 **GROUNDWATER  
MONITORING WELL**  
RS-1


**GROUNDWATER GRADIENT CONTOUR  
INTERVAL IS 0.5 FEET.**

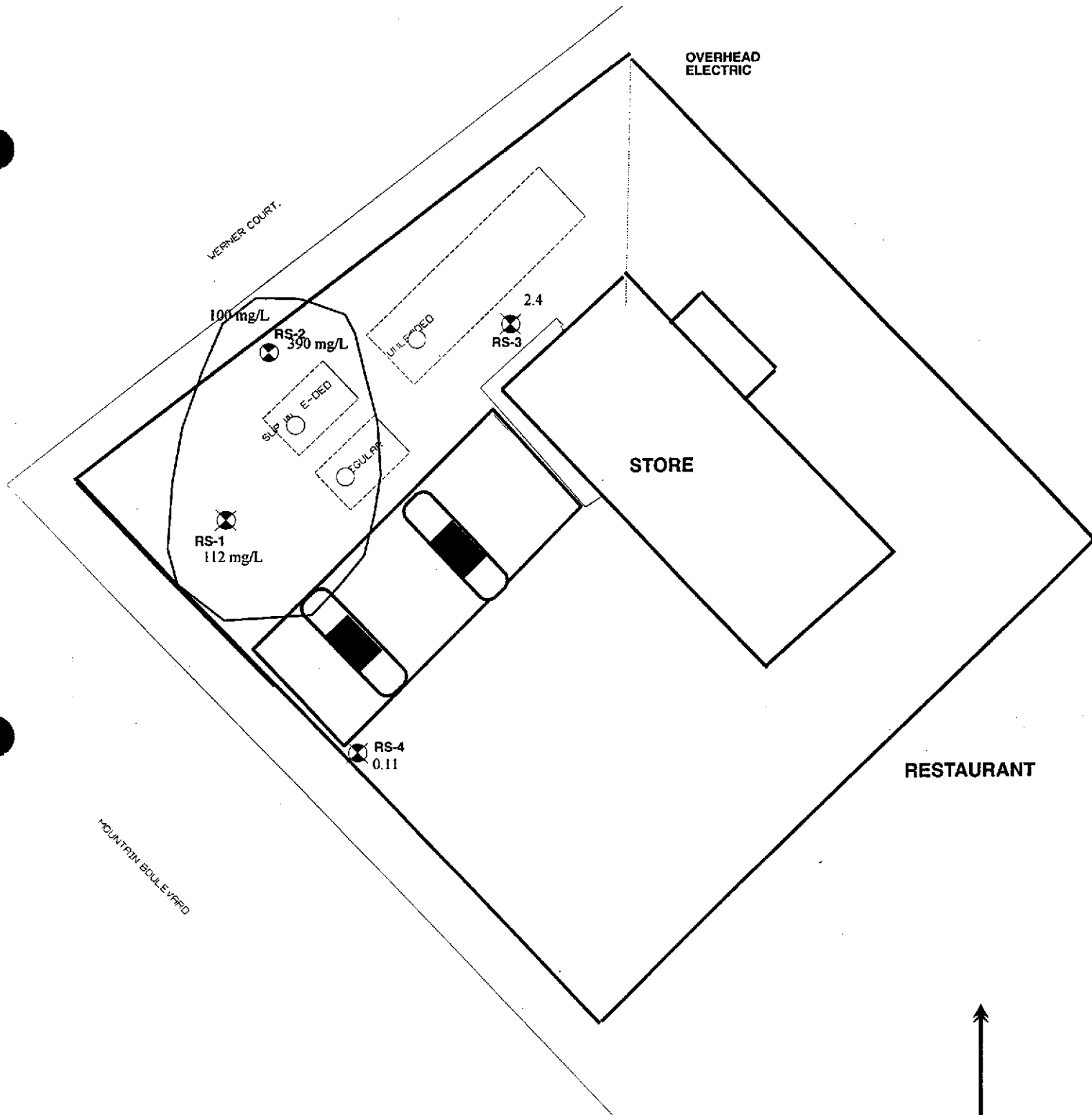


**FIGURE 5**

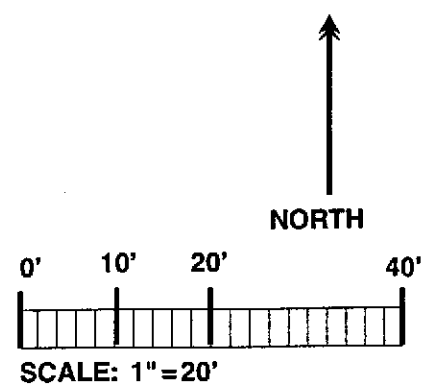
**FORMER DESERT PETROLEUM #796  
 2844 MOUNTAIN BOULEVARD  
 OAKLAND, CALIFORNIA  
 TOTAL PETROLEUM HYDROCARBONS  
 AS GASOLINE IN GROUNDWATER  
 May 28, 1997**




-  **GROUNDWATER MONITORING WELL**
- RS-1
- ND **BELOW LABORATORY LOWER DETECTION LIMITS**
- 156 mg/L **Milligrams per liter (p.m.) gasoline range hydrocarbons in groundwater.**



**FIGURE 6**  
**FORMER DESERT PETROLEUM #796**  
**2844 MOUNTAIN BOULEVARD**  
**OAKLAND, CALIFORNIA**  
**Methyl Tertiary-Butal Ether (MTBE)**  
**IN GROUNDWATER**  
**May 28, 1997**



-  **GROUNDWATER MONITORING WELL.**
- RS-1
- ND **BELOW LABORATORY LOWER DETECTION LIMITS**
- 390 mg/L **Milligrams per liter (ppm) MTBE in groundwater.**



North State Environmental  
Chemical Waste Disposal · Trucking · Consulting

## C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 97-457  
Client: Western Geo-Engineers  
Project: DP 796 2844 Mountain Blvd., Oakland, CA

Date Reported: 06/13/97

Gasoline, BTEX and MTBE by Methods 8015M and 8020

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 97-457-01 Client ID: RS-1					WATER
Gasoline	8015M	156000	ug/L	05/28/97	06/03/97
Benzene	8020	9400	ug/L		
Ethylbenzene	8020	7000	ug/L		
MTBE	8020	*112000	ug/L		
Toluene	8020	51000	ug/L		
Xylenes	8020	45000	ug/L		
Sample: 97-457-02 Client ID: RS-2					WATER
Gasoline	8015M	156000	ug/L	05/28/97	06/03/97
Benzene	8020	4200	ug/L		
Ethylbenzene	8020	1000	ug/L		
MTBE	8020	*390000	ug/L		
Toluene	8020	89	ug/L		
Xylenes	8020	6900	ug/L		
Sample: 97-457-03 Client ID: RS-3					WATER
Gasoline	8015M	ND	ug/L	05/28/97	06/03/97
Benzene	8020	6	ug/L		
Ethylbenzene	8020	ND	ug/L		
MTBE	8020	2400	ug/L		
Toluene	8020	ND	ug/L		
Xylenes	8020	ND	ug/L		

\*Confirmed by GC/MS Method 8260.

Page 1



North State Environmental  
Chemical Waste Disposal • Trucking • Consulting

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 97-457  
Client: Western Geo-Engineers  
Project: DP 796 2844 Mountain Blvd., Oakland, CA

Date Reported: 06/13/97

Gasoline, BTEX and MTBE by Methods 8015M and 8020

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 97-457-04 Client ID: RS-4					WATER
Gasoline	8015M	ND	ug/L	05/28/97	06/03/97
Benzene	8020	6	ug/L		
Ethylbenzene	8020	ND	ug/L		
MTBE	8020	110	ug/L		
Toluene	8020	ND	ug/L		
Xylenes	8020	ND	ug/L		

\*Confirmed by GC/MS Method 8260.

Page 2





North State Environmental  
Chemical Waste Disposal · Trucking · Consulting

## CERTIFICATE OF ANALYSIS

Quality Control/Quality Assurance

Lab Number: 97-457  
Client: Western Geo-Engineers  
Project: DP 796 2844 Mountain Blvd., Oakland, CA

Date Reported: 06/13/97

Gasoline, BTEX and MTBE by Methods 8015M and 8020

Analyte	Method	Reporting Limit	Unit	Blank	MS/MSD Recovery	RPD
Gasoline	8015M	50	ug/L	ND	102	3
Benzene	8020	0.5	ug/L	ND	98	6
Ethylbenzene	8020	0.5	ug/L	ND	97	5
Toluene	8020	0.5	ug/L	ND	99	7
Xylenes	8020	1.0	ug/L	ND	94	3
MTBE	8020	0.5	ug/L	ND	120	11

ELAP Certificate NO: 1753

Reviewed and Approved

John A. Murphy, Laboratory Director

Page 3 of 3

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

March 11, 1997  
STID 851  
page 1 of 2

ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION (LOP)  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

John Rutherford  
Desert Petroleum Inc.  
PO Box 1601  
Oxnard CA 93032

RE: former Desert Petroleum site #796, currently known as Compare Prices site,  
2844 Mountain Blvd., Oakland CA 94602

Dear Mr. Rutherford,

Since my last letter to you, dated December 27 1996, the following documents have been received in this office:

- 1) "December 1996 Quarterly Groundwater Sampling Report with Results of the Product Area Defining Soil Probe Survey," prepared by Western Geo-Engineers (WEGE), dated 1/24/97; and
- 2) "Interim Remedial Workplan--Excavate and Remove Gasoline Tainted Soils," prepared by WEGE, dated 2/27/97.

The 1/24/97 WEGE report concluded that it appears that the gasoline contamination in the subsurface is due to a faulty product piping and/or dispenser.

The 2/27/97 Workplan involves the excavation of approximately 160 cubic yards of impacted soil around the southeast end of the UST complex, to a depth of 10 to 15 feet bgs (depth of groundwater). Monitoring well RS1 will be destroyed in the process; however, a new 6" Schedule 40 PVC slotted casing will be installed in the clean pea gravel backfill for future free product removal. **This workplan is approved.**

**Please coordinate field work with me at least 2 business days in advance.** If you have any questions or comments, please contact me directly at 510-567-6761.

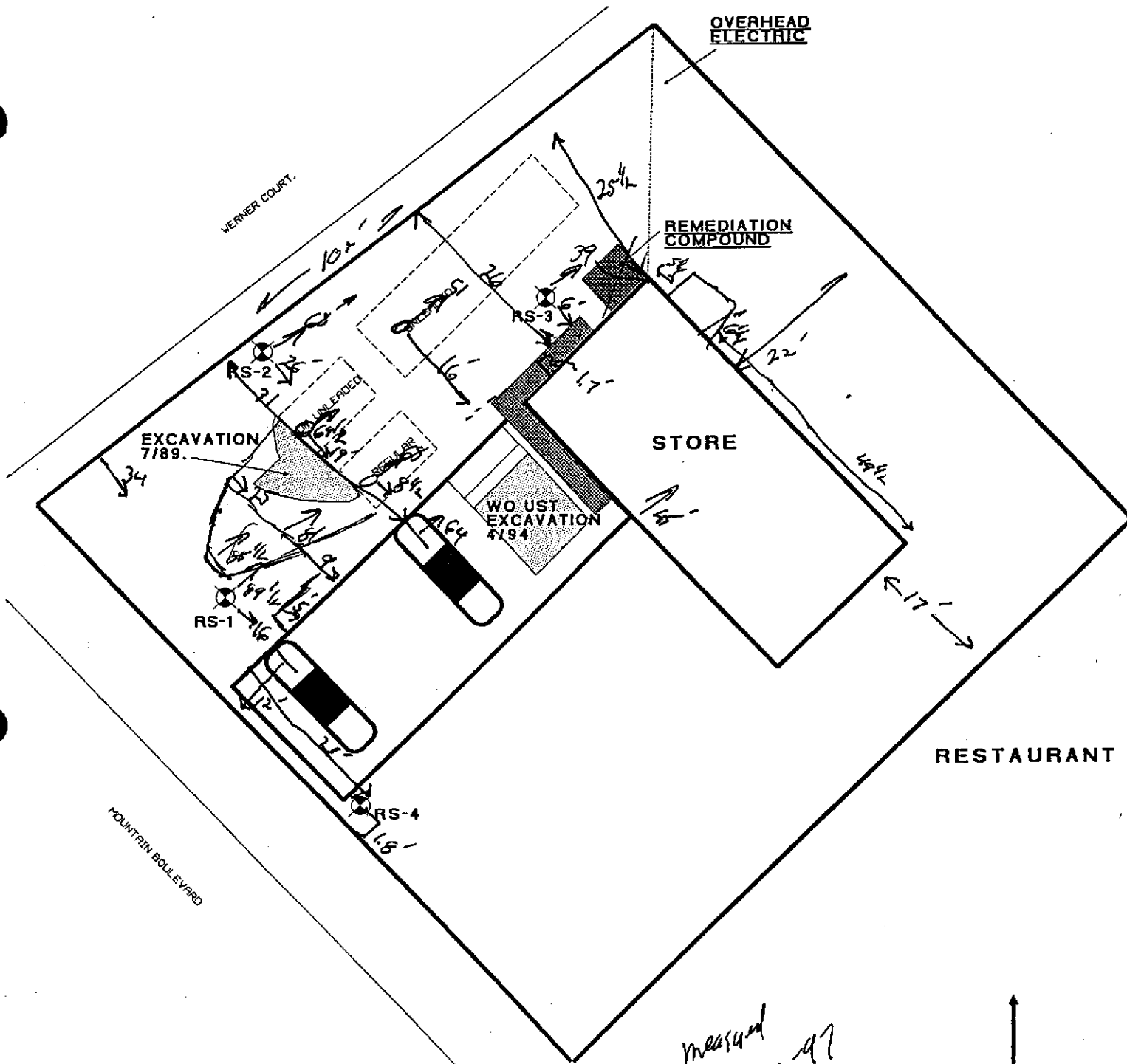
Sincerely,

Jennifer Eberle  
Hazardous Materials Specialist

March 11, 1997  
STID 851  
page 2 of 2  
John Rutherford

cc: George Converse, Western Geo-Engineers, 1386 East Beamer St., Woodland CA 95776-6003  
Cheryl Gordon, SWRCB, UST CleanUp Fund  
Shahram Shahnazi, Compare Prices, 2844 Mountain Blvd., Oakland CA 94602  
Alex Escobar, The Money Store, 2101 Webster St., Suite 1500, Oakland CA 94612  
Don Hwang/UST file  
J. Eberle/LOP file

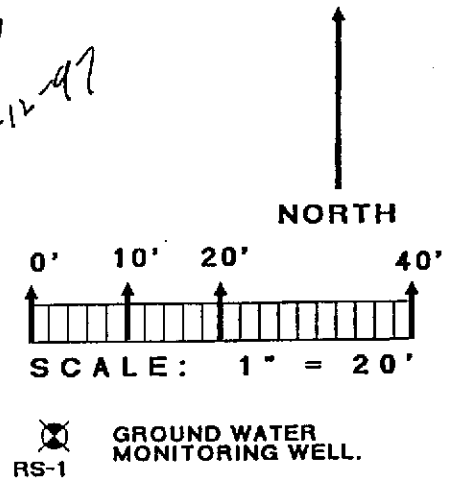
je.851-E



**FIGURE 3**

**FORMER DESERT PETROLEUM #796  
2844 MOUNTAIN BOULEVARD  
OAKLAND, CALIFORNIA**

**SITE CONDITIONS  
SEPTEMBER 18, 1996.**





# North State Environmental Analytical Laboratory

Phone: (415) 588-9652 Fax: (415) 588-1950

Chain of Custody / Request for Analysis

Lab Job No.: \_\_\_\_\_ Page \_\_\_ of \_\_\_

Client: <i>Lucas Petroleum</i>	Report to: <i>Western Bio Engineers</i>	Phone:	Turnaround Time
Mailing Address: <i>1386 E. Beemer St Woodland CA. 95776</i>	Billing to: <i>same</i>	Fax:	
		PO# / Billing Reference:	Date:
			Sampler:

Project / Site Address: <i>DP 796 Oakland CA. Mountain Blvd. 2844</i>					Analysis Requested								Comments/Hazards
Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	<i>THY</i>	<i>MTE</i>							
<i>RS-1</i>	<i>H<sub>2</sub>O</i>	<i>2 / yeas</i>	<i>1.0L</i>	<i>5-28-97 / 1:55</i>	<i>✓</i>	<i>✓</i>							
<i>RS-2</i>	<i> </i>	<i> </i>	<i> </i>	<i>1.16</i>	<i>✓</i>	<i>✓</i>							
<i>RS-3</i>	<i> </i>	<i> </i>	<i> </i>	<i>1.03</i>	<i>✓</i>	<i>✓</i>							
<i>RS-4</i>	<i> </i>	<i> </i>	<i> </i>	<i>1.39</i>	<i>✓</i>	<i>✓</i>							

Relinquished by: <i>Mark Pynick</i>	Date: <i>5-30-97</i> Time: <i>9:40</i>	Received by: <i>[Signature]</i> NSE	Lab Comments
Relinquished by:	Date: Time:	Received by:	
Relinquished by:	Date: Time:	Received by:	

# WELL SAMPLING DATA SHEET

SITE DP-796	DATE 5-28-97	TIME 12:16
WELL RS-3	SAMPLED BY. mp	
WELL ELEVATION		
PRODUCT THICKNESS		
DEPTH TO WATER DTW: 7.92 DTB: 24.40		
FLUID ELEVATION		
BAILER TYPE disposable bailer		
PUMP Paul LTT		

## WELL PURGING RECORD

TIME	VOLUME REMOVED	TEMP.	pH	COND.
12:17	1st bailer	80.1	8.13	.45 X1000
12:52	30 gal	79.2	7.92	.43
12:58		74.7	8.28	.40
12:59		74.7	8.35	.38
1:00		75.2	8.35	.38
1:02		75.6	8.36	.38
<del>Sampled</del>				

FINAL VOLUME PURGED 31 1/2 gal
TIME SAMPLED 1:03
SAMPLE ID. RS-3
SAMPLE CONTAINERS 2 vials
ANALYSIS TO BE RUN TPH <sub>4</sub> / BTEX / MTBE
LABORATORY <del>NSE</del> NSE
NOTES: 1st bailer clear No odor

# WELL SAMPLING DATA SHEET

SITE DP-796	DATE 5-28-97	TIME 1:05
WELL RS-2	SAMPLED BY. mp	
WELL ELEVATION		
PRODUCT THICKNESS		
DEPTH TO WATER DTW: 6.40 DTB: 25.02		
FLUID ELEVATION		
BAILER TYPE disposable bailer		
PUMP Paul LTT		

## WELL PURGING RECORD

TIME	VOLUME REMOVED	TEMP.	pH	COND.
1:07	1st bailer	80.6	8.32	.46 x1000
1:10	25	77.2	8.10	.44
1:11		74.3	8.07	.43
1:12	10	74.1	7.95	.43
1:14		74.2	7.96	.43
1:15		74.6	7.96	.43
			<del>Sampled</del>	

FINAL VOLUME PURGED 36 1/2 gal
TIME SAMPLED 1:16
SAMPLE ID. RS-2
SAMPLE CONTAINERS 2 voas
ANALYSIS TO BE RUN TPH <sub>g</sub> / BTEX / MTBE
LABORATORY <del>NES</del> NES
NOTES: 1st bailer clear No odor

# WELL SAMPLING DATA SHEET

SITE DP-796	DATE 5-28-97	TIME 1:21
WELL RS-4	SAMPLED BY. mp	
WELL ELEVATION		
PRODUCT THICKNESS		
DEPTH TO WATER DTW: 8.92 DTB: 25.14		
FLUID ELEVATION		
BAILER TYPE disposable bailer		
PUMP Paul LIT		

WELL PURGING RECORD				
TIME	VOLUME REMOVED	TEMP.	pH	COND.
1:22	1st bailer	77.7	7.97	.46 x1000
1:29	25	76.3	8.05	.44
1:31	5	74.9	8.07	.43
1:34		75.1	7.98	.43
1:35		75.4	7.99	.43
1:36		75.6	8.02	.43
1:38		75.6	8.01	.43
			<i>sampled</i>	

FINAL VOLUME PURGED 31 <sup>3</sup> / <sub>4</sub> gal
TIME SAMPLED 1:37
SAMPLE ID. RS-4
SAMPLE CONTAINERS 2 voas
ANALYSIS TO BE RUN TPH <sub>9</sub> / BTEX / MTBE
LABORATORY <del>MS</del>
NOTES: 1st bailer clear light gas odor





# Lawrence Tank Testing

D.L. Lawrence  
Owner



P.O. Box 407

Downieville, California 95936

## LAWRENCE TANK TESTING

CUSTOMER NAME AND ADDRESS: **WESTERN GEO ENGINEERS**  
 #  
 SITE ADDRESS: **796 OAKLAND MOUNTAIN BLVD**  
 PHONE NO.

LICENSED UNDERGROUND TANK TESTERS

(916) 289-3109  
(800) 548-0307

**U-Net.**



PETRO TITE

Environmental Dewatering and Well Reestablishment  
P.O. BOX 407 DOWNIEVILLE, CA 95936

### MAINTENANCE WORK ORDER

DATE **MAY 28 1997**

INVOICE NO. **975019**

NAME **DAVID**

DESCRIPTION OF WORK PERFORMED

**6 GALLONS**

LABOR CHARGES

MATERIAL CHARGES

DESCRIPTION OF WORK PERFORMED	LABOR CHARGES			MATERIAL CHARGES			
	TIME HRS MIN	MILES	AMOUNT	MATERIALS USED	QTY.	PRICE	TOTAL
RS3 DTW 7.92 DTS 2440	30						
2 " 6.40 " 2502	35						
4 " 8.92 " 2514	30						
1 " 7.96 " 29.66	30						
TRAVEL TIME:							
MILEAGE:							
	TOTAL TIME		TOTAL LABOR CHARGES				

RATES:			TOTAL MATERIALS		
LABOR AT \$ PER HOUR	ARRIVAL TIME HRS MIN	DEPART TIME HRS MIN	SALES TAX		
TRAVEL TIME AT \$ PER HOUR	<b>1215</b>	<b>1415</b>	LABOR CHARGES		
MILEAGE AT PER MILE				TOTAL	

cc: GC 10/12

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <i>CAD 001605067</i>	2. Page 1 of <i>1</i>	3. Document Number <i>NH- 3879</i>
GENERATOR	4. Generator's Name and Mailing Address <i>DESERT PETRO, P.O. Box 1601 OXFORD CA 93032</i> Generator's Phone <i>(909) 441-1199</i>			
	5. Transporter Company Name <i>EVERGREEN ENVIRONMENTAL SERVICES</i>	6. US EPA ID Number <i>CAD982413262</i>	7. Transporter Phone <i>510-795-4401</i>	
	8. Designated Facility Name and Site Address <i>Evergreen Oil, Inc. 6880 Smith Avenue Newark, CA 94560</i>	9. US EPA ID Number <i>CAD980887418</i>	10. Facility's Phone <i>510-795-4401</i>	
	11. Waste Shipping Name and Description a. <i>Non-Hazardous waste, liquid Water and oil</i>		12. Containers No. <i>001</i>	Type <i>TT</i>
				14. Unit Wt/Vol <i>G</i>
15. Special Handling Instructions and Additional Information <i>Do not ingest Wear protective clothing In case of emergency - 510-795-4401 DOT ERG 31  DP 996 2844 Mountain Plus Oakland CA</i>		Handling Codes for Wastes Listed Above 11a. <i> </i> 11b. <i> </i>  <i>Invoice # 38791</i>		
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name <i> </i>		Signature <i> </i>		Month Day Year <i>4 22 97</i>
17. Transporter Acknowledgement of Receipt of Materials				
Printed/Typed Name <i> </i>		Signature <i> </i>		Month Day Year <i>7 22 97</i>
18. Discrepancy Indication Space <i> </i>				
19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 18.				
Printed/Typed Name <i> </i>		Signature <i> </i>		Month Day Year <i> </i>

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.

CAD000105067

2. Page 1 of 1

3. Document Number

NH- No 3971

4. Generator's Name and Mailing Address

Desert Petroleum  
2444 Main Fair Blvd. Oakland CA

Generator's Phone

5. Transporter Company Name

EVERGREEN ENVIRONMENTAL SERVICES

6.

US EPA ID Number

CAD982413262

7. Transporter Phone

510-795-4401

8. Designated Facility Name and Site Address

Evergreen Oil, Inc.  
6880 Smith Avenue  
Newark, CA 94560

9.

US EPA ID Number

CAD980887418

10. Facility's Phone

510-795-4401

11. Waste Shipping Name and Description

a. Non-Hazardous waste, liquid  
Water and oil

b.

12. Containers  
No. Type

001

TT

13. Total Quantity

110

14. Unit Wt/Vol

G

15. Special Handling Instructions and Additional Information

Do not ingest  
Wear protective clothing  
In case of emergency - 510-795-4401  
DOT ERG 31

Handling Codes for Wastes Listed Above

11a.

11b.

Invoice # 610608

GENERATOR'S CERTIFIED TO

Printed/Typed Name

Matt Penick

Signature

Matt Penick

Month Day Year  
7 13 97

Printed/Typed Name

Tom Powell

Signature

Tom Powell

Month Day Year  
7 14 97

18. Discrepancy Indication Space

Printed/Typed Name

Signature

Month Day Year