



KAPREALIAN ENGINEERING, INC.
Consulting Engineers

P.O. BOX 996 • BENICIA, CA 94510
(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581

October 30, 1990

City of San Leandro
835 E. 14th Street
San Leandro, CA

RE: Unocal Service Station #2512
1300 Davis Street
San Leandro, California

Gentlemen:

Per the request of Mr. Rick Sisk of Unocal Corporation, enclosed please find our report dated September 28, 1990, for the above referenced site.

Should you have any questions, please feel free to call our office at (707) 746-6915.

Sincerely,

Kaprealian Engineering, Inc.

Judy A. Dewey

jad\

Enclosure

cc: Rick Sisk, Unocal Corporation

ENGINEERING
OCT 31 1990
TRANSPORTATION



KAPREALIAN ENGINEERING, INC.

Consulting Engineers

P.O. BOX 996 • BENICIA, CA 94510

(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581

KEI-P88-1204.QR5
September 28, 1990

Unocal Corporation
2000 Crow Canyon Place, Suite #400
P.O. Box 5155
San Ramon, CA 94583

Attention: Mr. Rick Sisk

RE: Quarterly Report
Unocal Service Station #2512
1300 Davis Street
San Leandro, California

Dear Mr. Sisk:

This report presents the results of the fifth quarter of monitoring and sampling of the monitoring wells at the referenced site by Kaprealian Engineering, Inc. (KEI), originally proposed on May 16, 1989 (KEI-P88-1204.P3). The wells are currently monitored monthly and sampled on a quarterly basis. This report covers the work performed by KEI from June through August, 1990.

BACKGROUND

The subject site is presently used as a gasoline station. A Location Map and Site Plans are attached to this report.

KEI's work at the site began on December 30, 1988, when KEI was asked to install exploratory borings. On January 3, 1989, six exploratory borings, designated as EB1 through EB6 on the attached Site Plan, Figure 2, were drilled at the site. The six borings were drilled to depths ranging from 26.5 to 30 feet and ground water was encountered at depths of 25 to 26.5 feet beneath the surface. Soil samples were collected every 5 feet in each of the borings. Analytical results of soil samples collected from EB1 through EB5 indicated levels of total petroleum hydrocarbons (TPH) as gasoline ranging from non-detectable to 17 ppm. Benzene was detected only in samples EB5(20) and EB6(15) at concentrations of 0.12 ppm and 0.065 ppm, respectively. Analyses of soil samples collected from EB6 indicated levels of TPH as diesel ranging from 3 ppm to 160 ppm, and TOG levels of up to 7,800 ppm. Results of the soil samples analyses are summarized in Table 3. Documentation for exploratory boring activities were presented in KEI's report (KEI-P88-1204.R1) dated February 3, 1989.

On April 17, 1989, three two-inch diameter monitoring wells, designated as MW1, MW2 and MW3 on the attached Site Plan, Figure 1, were drilled, each to a total depth of 33 feet. Soil samples were collected at 5 foot intervals beginning at 5 feet below grade until ground water was encountered at depths of 17.5 to 18.5 feet.

Analytical results from the soil samples indicated levels of TPH as gasoline ranging from non-detectable to 6.2 ppm, and total oil and grease (TOG) levels ranging from non-detectable to 180 ppm. Water sample analyses showed levels of benzene ranging from non-detectable to 0.35 ppb in all samples, and levels of TPH as diesel ranging from non-detectable to 5,700 ppb. Results of the soil analyses are summarized in Table 3, and water analyses in Table 2. For more detailed information, refer to KEI's report (KEI-P88-1204.R2) dated May 16, 1990.

On May 11, 1989, at KEI's recommendation, the area (shown on the attached Site Plan, Figure 2) surrounding exploratory boring EB6, was excavated. Four soil samples labeled SWA, SWB, SWC and SWD were collected from the sidewalls of the excavation at a depth approximately 16.5 feet, six inches above the water table. Analyses of the excavation soil samples indicated levels of TPH as diesel ranging from 16 to 26 ppm, while TOG concentrations ranged from 170 to 850 ppm. The analytical results are summarized in Table 3, and were documented in KEI's report (KEI-J88-1204.R4) dated June 15, 1989.

On August 16, 1989, three additional two-inch diameter monitoring wells, designated as MW4, MW5, and MW6 on the attached Site Plan, Figure 1, were installed at the site to total depths of 33 feet. Soil samples were taken at 5 foot intervals beginning at 5 feet below grade until ground water was encountered at levels of 19.8 to 22 feet. The soil sample analyses showed non-detectable levels of TPH as gasoline and benzene in all samples, except in MW4(5), MW5(15) and MW5(22), which showed levels of TPH as gasoline at 3.3 ppm, 20 ppm and 2.1 ppm, respectively. Levels of TOG in all soil samples were less than 50 ppm. Analytical results of the water samples, collected from MW3, MW4 and MW5, indicated levels of TPH as diesel at 860 ppb, 120 ppb and 100 ppb, respectively. TPH as gasoline and benzene were detected only in MW3 at levels of 3,200 ppb and 73 ppb, respectively. Analytical results of the water samples are summarized in Table 2, and the soil samples in Table 3. Documentation for the installation of monitoring wells MW4 through MW6, as well as results of the first quarter of monitoring and sampling of wells MW1 through MW6, were presented in KEI's report (KEI-P88-1204.QR1) dated September 27, 1989. All wells have been monitored monthly and sampled quarterly since June, 1989.

FIELD ACTIVITIES

Wells MW1 through MW6 were monitored three times and sampled once during the quarter. During monitoring, the wells were checked for depth to water and presence of free product and sheen. No free product or sheen was noted in any of the wells during the quarter. Monitoring data are summarized in Table 1.

Water samples were collected from the wells on May 10, 1990. The wells were each purged of 11 to 50 gallons using a surface pump and samples were then collected using a clean Teflon bailer. The samples were decanted into clean VOA vials and one liter amber bottles, sealed with Teflon-lined screw caps and stored on ice in a cooler until delivery to a state certified laboratory.

HYDROLOGY

Based on the water level data gathered from the six monitoring wells during the quarter, the ground water flow direction appeared to be generally due west to west-southwest on August 9, 1990, relatively unchanged from the previous quarter. In addition, water levels have fluctuated during the quarter, but show a net decrease of 0.45 to 0.53 feet in all wells since the previous quarter (May 10, 1990). The measured depth to ground water at the site on August 9, 1990 ranged between 17.23 to 18.05 feet.

ANALYTICAL RESULTS

Ground water samples were analyzed at Sequoia Analytical Laboratory in Redwood City, California, and were accompanied by properly executed Chain of Custody documentation. The samples were analyzed for TPH as gasoline using EPA method 5030 in conjunction with modified 8015, and benzene, toluene, xylene and ethylbenzene (BTX&E) using EPA method 8020, TPH as diesel using EPA method 3510 in conjunction with modified 8015 and TOG using EPA method 503A&E.

Analytical results of ground water samples indicate non-detectable levels of TPH as gasoline, BTX&E and TOG in all wells except MW3, which show levels of TPH as diesel at 500 ppb, TPH as gasoline at 1,900 ppb, and benzene at 56 ppb. Results of the water analyses are summarized in Table 2. Copies of the analytical results and Chain of Custody documentation are attached to this report.

DISCUSSION AND RECOMMENDATIONS

Based on the analytical results collected and evaluated to date and no evidence of free product or sheen in any of the wells, KEI recommends the continuation of the current monitoring and sampling program of the existing wells per KEI's proposal (KEI-P88-1204.P3) dated May 16, 1989. Ground water contamination is apparently limited to the vicinity of well MW3 only, based on the analytical results of the ground water samples collected from all six monitoring wells on August 8, 1990. However, ground water contamination has also been intermittently detected in wells MW2, MW4 and MW5 since August 29, 1989.

A field reconnaissance of the subject site on August 24, 1990 revealed the presence of apparent soil borings within the existing asphalt parking area on adjacent property located southwest of the site. In addition, KEI recommends that a review of Alameda County, City of San Leandro, and Regional Water Quality Control Board (RWQCB) records be conducted to identify any potential off-site sources of contamination, and review records concerning any subsurface investigation conducted at the adjacent properties.

DISTRIBUTION

A copy of this report should be sent to the City of San Leandro, and to the RWQCB, San Francisco Bay Region.

LIMITATIONS

Environmental changes, either naturally-occurring or artificially-induced, may cause changes in ground water levels and flow paths, thereby changing the extent and concentration of any contaminants.

Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

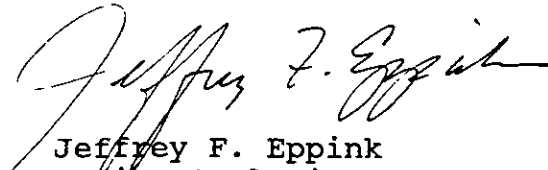
The results of this study are based on the data obtained from the field and laboratory analyses obtained from a state certified laboratory. We have analyzed this data using what we believe to be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, regarding the above, including laboratory analyses, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

KEI-P88-1204.QR5
September 28, 1990
Page 5


If you have any questions regarding this report, please do not hesitate to call me at (707) 746-6915.

Sincerely,

Kaprealian Engineering, Inc.




Jeffrey F. Eppink
Senior Geologist



Don R. Braun
Certified Engineering Geologist

License No. 1310
Exp. Date 6/30/92



Mardo Kaprealian
President

jad

Attachments: Tables 1, 2 & 3
Location Map
Site Plans - Figures 1 & 2
Laboratory Analyses
Chain of Custody documentation

KEI-P88-1204.QR5
September 28, 1990

TABLE 1

SUMMARY OF MONITORING DATA

<u>Date</u>	<u>Well No.</u>	<u>Depth to Water (feet)</u>	<u>Product Thickness</u>	<u>Sheen</u>	<u>Water Bailed (gallons)</u>
8/09/90	MW1	17.45	0	None	13
	MW2	18.05	0	None	12
	MW3	17.73	0	None	50
	MW4	17.23	0	None	12
	MW5	17.88	0	None	11
	MW6	17.90	0	None	12
7/10/90	MW1	17.00	0	None	0
	MW2	17.56	0	None	0
	MW3	17.23	0	None	15
	MW4	16.81	0	None	0
	MW5	17.42	0	None	0
	MW6	17.46	0	None	0
6/11/90	MW1	16.40	0	None	0
	MW2	16.90	0	None	0
	MW3	16.69	0	None	45
	MW4	16.17	0	None	0
	MW5	16.79	0	None	0
	MW6	16.87	0	None	0

KEI-P88-1204.QR5
September 28, 1990

TABLE 2

SUMMARY OF LABORATORY ANALYSES
WATER

<u>Date</u>	<u>Sample Well #</u>	<u>TPH as Diesel</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Ethyl-benzene</u>
8/09/90	MW1*	ND	ND	ND	ND	ND	ND
	MW2*	ND	ND	ND	ND	ND	ND
	MW3*	500	1,900	56	140	140	31
	MW4*	ND	ND	ND	ND	ND	ND
	MW5*	ND	ND	ND	ND	ND	ND
	MW6*	ND	ND	ND	ND	ND	ND
5/10/90	MW1*	ND	ND	ND	ND	ND	ND
	MW2*	ND	43	ND	1.0	ND	ND
	MW3**	850	6,200	94	460	540	160
	MW4*	88	54	ND	2.0	0.37	ND
	MW5*	83	ND	ND	ND	0.31	ND
	MW6*	ND	ND	ND	1.2	ND	ND
2/23/90	MW1*	ND	ND	ND	ND	ND	ND
	MW2*	ND	44	ND	ND	ND	ND
	MW3***	350	ND	0.32	ND	ND	ND
	MW4*	ND	ND	ND	ND	ND	ND
	MW5*	ND	ND	ND	ND	ND	ND
	MW6*	ND	ND	ND	ND	ND	ND
11/21/89	MW1+	ND	ND	ND	ND	ND	ND
	MW2+	ND	48	ND	0.51	ND	ND
	MW3+	110	1,900	ND	ND	ND	ND
	MW4*	ND	ND	ND	ND	ND	ND
	MW5*	70	ND	ND	ND	ND	ND
	MW6*	ND	ND	ND	ND	ND	ND
8/11/89 & 8/29/89	MW1*	ND	ND	ND	ND	ND	ND
	MW2*	ND	ND	ND	0.39	ND	ND
	MW3*	860	3,200	73	140	240	35
	MW4*	120	ND	ND	ND	ND	ND
	MW5*	100	ND	ND	0.94	ND	0.30
	MW6*	ND	ND	ND	ND	ND	ND
4/25/89	MW1++	100	ND	0.31	ND	ND	ND
	MW2++	ND	32	0.35	ND	ND	ND
	MW3++	5,700	56	ND	ND	0.49	0.31
Detection Limits		50	30	0.3	0.3	0.3	0.3

KEI-P88-1204.QR5
September 28, 1990

TABLE 2 (Continued)

SUMMARY OF LABORATORY ANALYSES
WATER

- * TOG was non-detectable.
- ** TOG was detected at 2.8 ppm.
- *** TOG was detected at 1.3 ppm.
- + TOG was detected at concentrations of 8.9, 1.6 and 3.8 ppm in MW1, MW2 and MW3, respectively.
- ++ MW1 showed PCE at 3.3 ppb and TCE at 0.55 ppb for 8010. MW2 showed PCE at 0.68 ppb for 8010. MW3 showed PCE at 1.0 ppb for 8010.

ND = Non-detectable.

Results in parts per billion (ppb), unless otherwise indicated.

KEI-P88-1204.QR5
September 28, 1990

TABLE 3

SUMMARY OF LABORATORY ANALYSES
SOIL

<u>Sample Number</u>	<u>Depth (feet)</u>	<u>TPH as Diesel</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Ethylbenzene</u>	<u>TOG</u>
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(Collected on August 16, 1989)

MW4	5	--	3.3	ND	ND	0.11	ND	<50
MW4	10	--	ND	ND	ND	ND	ND	<50
MW4	15	--	ND	ND	ND	ND	ND	<50
MW4	19	--	ND	ND	ND	ND	ND	<50
MW5	5	--	ND	ND	ND	ND	ND	<50
MW5	10	--	ND	ND	ND	ND	ND	<50
MW5	15	--	ND	ND	ND	ND	ND	<50
MW5	20	--	20	ND	ND	ND	ND	<50
MW5	22	--	ND	ND	ND	ND	ND	<50
MW6	5	--	ND	ND	ND	ND	ND	<50
MW6	10	--	ND	ND	ND	ND	ND	<50
MW6	15	--	ND	ND	ND	ND	ND	<50
MW6	20	--	ND	ND	ND	ND	ND	<50

(Collected on May 11, 1989)

SWA	16.5	21	--	--	--	--	--	850
SWB	16.5	18	--	--	--	--	--	580
SWC	16.5	26	--	--	--	--	--	680
SWD	16.5	16	--	--	--	--	--	170

(Collected on April 17, 1989)

MW1	5	ND	4.0	ND	ND	ND	ND	ND
MW1	10	ND	ND	ND	ND	ND	ND	ND
MW1	15	ND	ND	ND	ND	ND	ND	ND
MW1	17	ND	ND	ND	ND	ND	ND	31
MW2*	5	ND	ND	ND	ND	ND	ND	31
MW2*	10	ND	1.1	ND	ND	ND	ND	60
MW2*	15	ND	ND	ND	ND	ND	ND	71
MW3	5	ND	ND	ND	ND	ND	ND	ND
MW3	10	ND	1.1	ND	ND	ND	ND	ND
MW3	15	ND	1.2	ND	ND	ND	ND	32
MW3	17	ND	6.2	ND	0.21	0.42	ND	180

KEI-P88-1204.QR5
September 28, 1990

TABLE 3 (Continued)

SUMMARY OF LABORATORY ANALYSES
SOIL

<u>Sample Number</u>	<u>Depth (feet)</u>	<u>TPH as Diesel</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Ethyl-benzene</u>	<u>TOG</u>
(Collected on January 3, 1989)								
EB1(5)*	5	5.0	--	<0.005	0.05	<0.005	<0.005	--
EB1(10)*	10	1.0	--	<0.005	<0.005	<0.005	<0.005	--
EB1(15)*	15	1.0	--	<0.005	<0.005	<0.005	<0.005	--
EB1(25)*	25	2.0	--	--	--	--	--	--
EB2(10)	10	--	<1.0	<0.05	<0.1	<0.1	<0.1	--
EB2(15)	15	--	<1.0	<0.05	<0.1	<0.1	<0.1	--
EB2(20)	20	--	<1.0	<0.05	<0.1	<0.1	<0.1	--
EB2(25)	25	--	1.9	<0.05	<0.1	<0.1	<0.1	--
EB3(5)	5	--	<1.0	<0.05	<0.1	<0.1	<0.1	--
EB3(10)	10	--	<1.0	<0.05	<0.1	<0.1	<0.1	--
EB3(15)	15	--	2.7	<0.05	<0.1	<0.1	<0.1	--
EB3(20)	20	--	2.2	<0.05	<0.1	<0.1	<0.1	--
EB3(25)	25	--	<1.0	<0.05	<0.1	<0.1	<0.1	--
EB4(5)	5	--	<1.0	<0.05	<0.1	<0.1	<0.1	--
EB4(10)	10	--	<1.0	<0.05	<0.1	<0.1	<0.1	--
EB4(15)	15	--	<1.0	<0.05	<0.1	<0.1	<0.1	--
EB4(20)	20	--	<1.0	<0.05	<0.1	<0.1	<0.1	--
EB4(25)	25	--	<1.0	<0.05	<0.1	<0.1	<0.1	--
EB5(5)	5	--	<1.0	<0.05	<0.1	<0.1	<0.1	--
EB5(10)	10	--	<1.0	<0.05	<0.1	<0.1	<0.1	--
EB5(15)	15	--	2.0	<0.05	<0.1	<0.1	<0.1	--
EB5(20)	20	--	17	0.12	0.15	1.4	0.25	--
EB5(25)	25	--	3.9	<0.05	<0.1	0.17	<0.1	--
EB6(5)	5	10	1.8	<0.05	<0.1	<0.1	<0.1	7,800
EB6(10)	10	160	73	<0.05	<0.1	<0.1	<0.1	1,200
EB6(15)	15	40	17	0.065	<0.1	0.21	<0.1	900
EB6(25)	25	3.0	<1.0	<0.05	<0.1	<0.1	<0.1	130

-- Indicates analysis not performed.

ND = Non-detectable.

* TOG and EPA method 8010 constituents were non-detectable.

Results in parts per million (ppm), unless otherwise indicated.



KAPREALIAN ENGINEERING, INC.
Consulting Engineers

P.O. BOX 996 • BENICIA, CA 94510
(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581



LOCATION MAP

Unocal S/S #2512
1300 Davis Street
San Leandro, CA

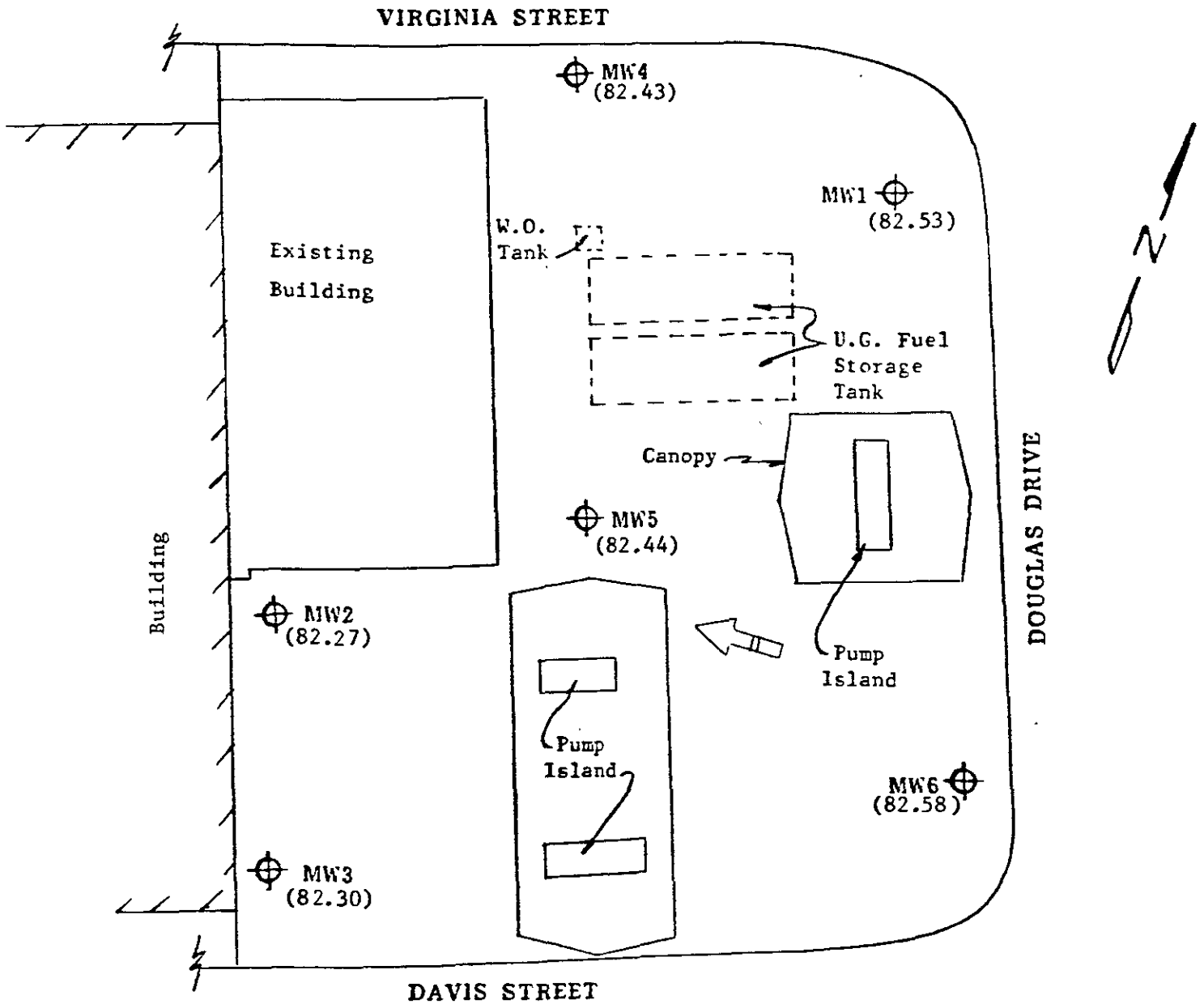


KAPREALIAN ENGINEERING, INC.

Consulting Engineers

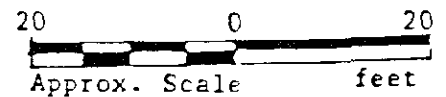
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SITE PLAN

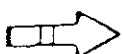
Figure 1



LEGEND

-  Monitoring Well
- () Ground water elevation in feet on 8/9/90 Top of MW1 well cover assumed 100.00 feet as datum.

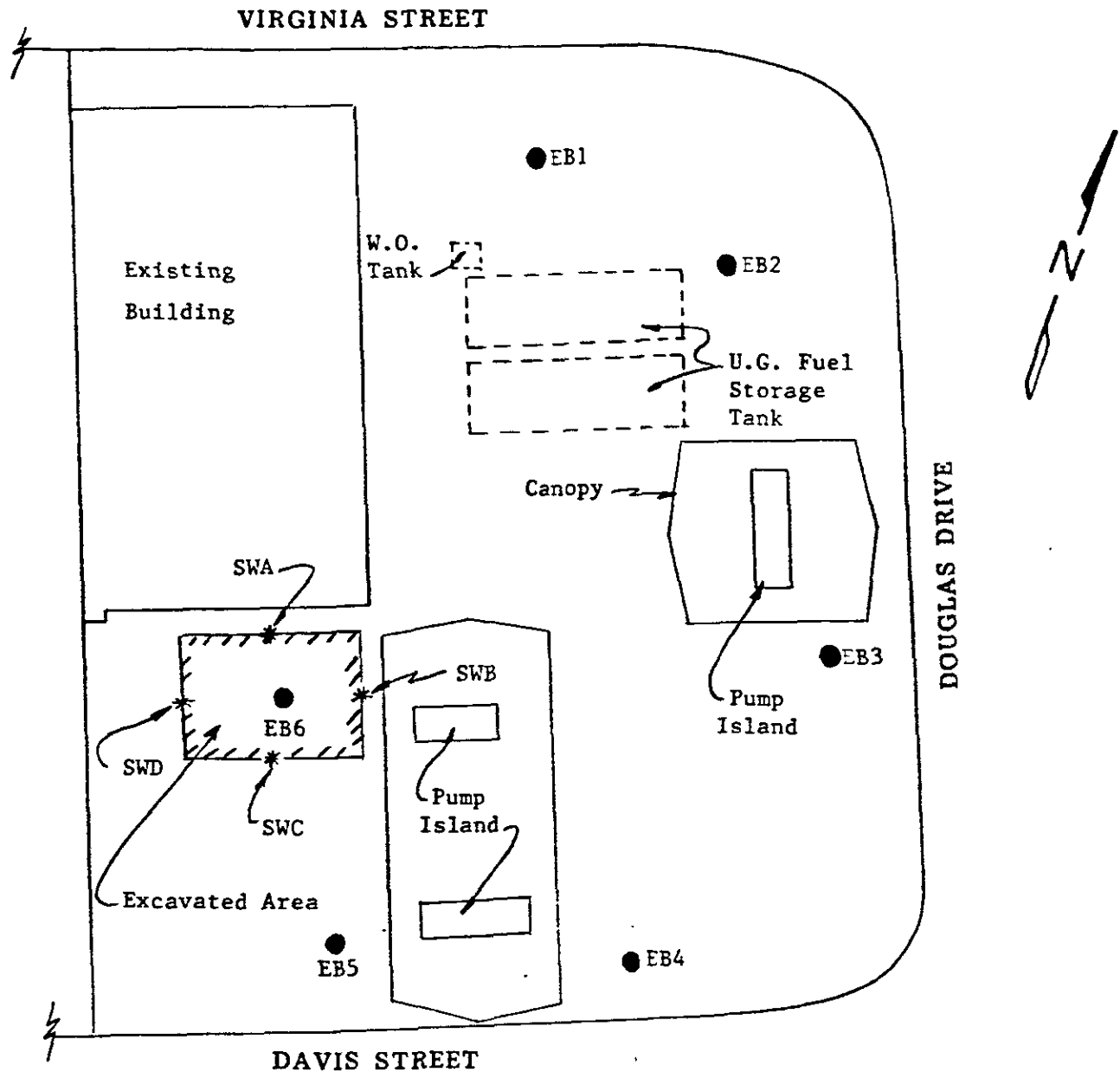
Unocal Service Station #2512
 1300 Davis Street
 San Leandro, California

 Direction of ground water flow.

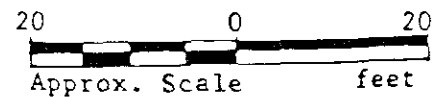


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SITE PLAN
Figure 2



LEGEND

- Exploratory Boring
- * Sample Point Location

Unocal Service Station #2512
1300 Davis Street
San Leandro, California



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Kaprealian Engineering, Inc.	Client Project ID: Unocal, San Leandro, 1300 Davis	Sampled: Aug 9, 1990
P.O. Box 996	Matrix Descript: Water	Received: Aug 9, 1990
Benicia, CA 94510	Analysis Method: EPA 5030/8015/8020	Analyzed: Aug 14, 1990
Attention: Mardo Kaprealian, P.E.	First Sample #: 008-1970 A-B	Reported: Aug 17, 1990

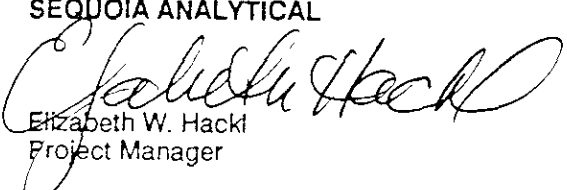
TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons $\mu\text{g/L}$ (ppb)	Benzene $\mu\text{g/L}$ (ppb)	Toluene $\mu\text{g/L}$ (ppb)	Ethyl Benzene $\mu\text{g/L}$ (ppb)	Xylenes $\mu\text{g/L}$ (ppb)
0081970 A-B	MW1	N.D.	N.D.	N.D.	N.D.	N.D.
0081971 A-B	MW2	N.D.	N.D.	N.D.	N.D.	N.D.
0081972 A-B	MW3	1,900	56	140	31	140
0081973 A-B	MW4	N.D.	N.D.	N.D.	N.D.	N.D.
0081974 A-B	MW5	N.D.	N.D.	N.D.	N.D.	N.D.
0081975 A-B	MW6	N.D.	N.D.	N.D.	N.D.	N.D.

Detection Limits:	30	0.30	0.30	0.30	0.30
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Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL


Elizabeth W. Hackl
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Kaprealian Engineering, Inc.	Client Project ID: Unocal, San Leandro, 1300 Davis	Sampled: Aug 9, 1990
P.O. Box 996	Matrix Descript: Water	Received: Aug 9, 1990
Benicia, CA 94510	Analysis Method: EPA 3510/8015	Extracted: Aug 13, 1990
Attention: Mardo Kaprealian, P.E.	First Sample #: 008-1970 C	Analyzed: Aug 16, 1990
		Reported: Aug 17, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

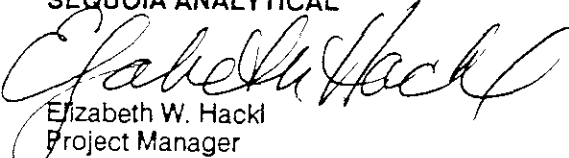
Sample Number	Sample Description	High B.P. Hydrocarbons $\mu\text{g/L}$ (ppb)
0081970 C	MW1	N.D.
0081971 C	MW2	N.D.
0081972 C	MW3	500
0081973 C	MW4	N.D.
0081974 C	MW5	N.D.
0081975 C	MW6	N.D.

Detection Limits:

50

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection

SEQUOIA ANALYTICAL


Elizabeth W. Hackl
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Kaprealian Engineering, Inc.	Client Project ID: Unocal, San Leandro, 1300 Davis	Sampled: Aug 9, 1990
P.O. Box 996	Matrix Descript: Water	Received: Aug 9, 1990
Benicia, CA 94510	Analysis Method: SM 503 A&E (Gravimetric)	Extracted: Aug 13, 1990
Attention: Mardo Kaprealian, P.E.	First Sample #: 008-1970 D	Analyzed: Aug 14, 1990
		Reported: Aug 17, 1990

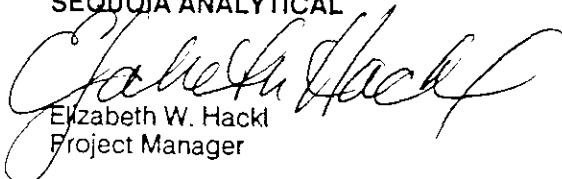
TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/L (ppm)
0081970 D	MW1	N.D.
0081971 D	MW2	N.D.
0081972 D	MW3	N.D.
0081973 D	MW4	N.D.
0081974 D	MW5	N.D.
0081975 D	MW6	N.D.

Detection Limits:	5.0
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Analytes reported as N.D. were not present above the stated limit of detection

SEQUOIA ANALYTICAL


Elizabeth W. Hackl
Project Manager



KAPREALIAN ENGINEERING, INC.

CHAIN OF CUSTODY

SAMPLER RAY (KEI)		SITE NAME & ADDRESS UNOCAL SAN LEANDRO 1300 JAVIS ST.						ANALYSES REQUESTED TPHC BTXE TUG(SO3A) TPH(as dried)				TURN AROUND TIME: 1 Week	
WITNESSING AGENCY												REMARKS	
SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPHC	BTXE	TUG(SO3A)	TPH(as dried)	REMARKS
MW1	8-9	17:00	X	X			2 VOA 2 AMB		X	X	X	X	
MW2	"	"	X	X			4		X	X	X	X	
MW3	"	"	X	X			4		X	X	X	X	
MW4	"	"	X	X			4		X	X	X	X	
MW5	"	"	X	X			4		X	X	X	X	
MW6	"	"	X	X			4		X	X	X	X	
Relinquished by: (Signature) Ray (KEI)			Date/Time 8-9-90		Received by: (Signature) 17:30			The following MUST BE completed by the laboratory accepting samples for analysis: 1. Have all samples received for analysis been stored in ice? <u>yes</u> 2. Will samples remain refrigerated until analyzed? <u>yes</u> 3. Did any samples received for analysis have head space? <u>no</u> 4. Were samples in appropriate containers and properly packaged? <u>yes</u> Signature: <u>[Signature]</u> Title: <u>1111</u> Date: <u>8/11/90</u>					
Relinquished by: (Signature)			Date/Time		Received by: (Signature)								
Relinquished by: (Signature)			Date/Time		Received by: (Signature)								
Relinquished by: (Signature)			Date/Time 8/11/90 1733		Received by: (Signature) [Signature]								