



**KAPREALIAN ENGINEERING, INC.**

Consulting Engineers

P. O. BOX 913

BENICIA, CA 94510

(707) 746-6915 (707) 746-6916

FAX: (707) 746-5581

89 DEC -5 PM 3:41

November 29, 1989

Alameda County Department of  
Environmental Health  
470 27th Street, Room 322  
Oakland, CA 94612

Attention: Mr. Larry Seto

RE: Unocal Service Station #6129  
3420 - 35th Avenue  
Oakland, California

Dear Mr. Seto:

Per the request of Mr. Ron Bock of Unocal Corporation,  
enclosed please find our report dated November 15, 1989 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

Enclosure

cc: Ron Bock, Unocal



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KEI-J89-0902.R4  
November 15, 1989

Unocal Corporation  
2175 N. California Blvd., #650  
Walnut Creek, CA 94596

Attention: Mr. Rick Sisk

RE: Stockpiled Soil Sampling for  
Unocal Service Station #6129  
3420 - 35th Avenue  
Oakland, California

Dear Mr. Sisk:

This letter report summarizes the results of the stockpiled soil sampling and laboratory analyses for the referenced site. The soil analyses were conducted to comply with the County Health Department requirements for proper disposal of contaminated soil.

On November 2, 1989, soil samples from approximately 100 cubic yards of stockpiled soil at the referenced site were collected to determine proper disposal of the soil. Two composite soil samples (designated as Comp 6 and Comp 7) were taken. Each composite sample consisted of four individual grab samples taken at various locations and depths ranging from one to two feet. The samples were collected in 2" diameter, clean brass tubes, which were then sealed with aluminum foil, plastic caps and tape, and placed in a cooled ice chest for subsequent delivery to a certified laboratory for analysis. All samples were analyzed at Mobile Chem Labs, Inc., Lafayette, California, and were accompanied by properly executed Chain of Custody documentation. Sample locations are as shown on the attached Site Plan.

The composite samples were analyzed to determine concentrations of total petroleum hydrocarbons (TPH) as gasoline using EPA method 5030 in conjunction with modified 8015, benzene, toluene, xylenes and ethylbenzene (BTX&E) using EPA method 8020. The results of the soil analyses showed concentrations of TPH as gasoline ranging from non-detectable in Comp 6 to 4.3 ppm in Comp 7. Analytical results are summarized in Table 1. Copies of the laboratory analyses, and the Chain of Custody documentation are attached to this report.

KEI-J89-0902.R4  
November 15, 1989  
Page 2

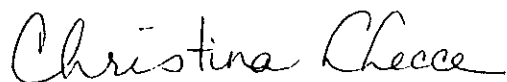
Based on TPH levels in the stockpiled soil of less than 10 ppm, the soil can be disposed of at an approved Class III disposal site (based on Regional Water Quality Control Board guidelines).

A copy of this report should be sent to the Alameda County Department of Environmental Health, and to the Regional Water Quality Control Board (RWQCB), San Francisco Bay Region.

Should you have any questions on this report, please do not hesitate to contact me at (707) 746-6915.

Sincerely,

Kaprealian Engineering, Inc.

A handwritten signature in cursive script that reads "Christina Lecce".

Christina L. Lecce

Attachments: Table 1  
Site Plan  
Laboratory Results  
Chain of Custody documentation

KEI-J89-0902.R4  
November 15, 1989

TABLE 1

SUMMARY OF LABORATORY ANALYSES

(Results in ppm)  
(Samples collected on November 2, 1989)

<u>Sample</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Ethyl- benzene</u>
Comp 6	ND	ND	ND	ND	ND
Comp 7	4.3	ND	ND	ND	ND
Detection Limits	1.0	0.05	0.1	0.1	0.1

ND = Non-detectable.



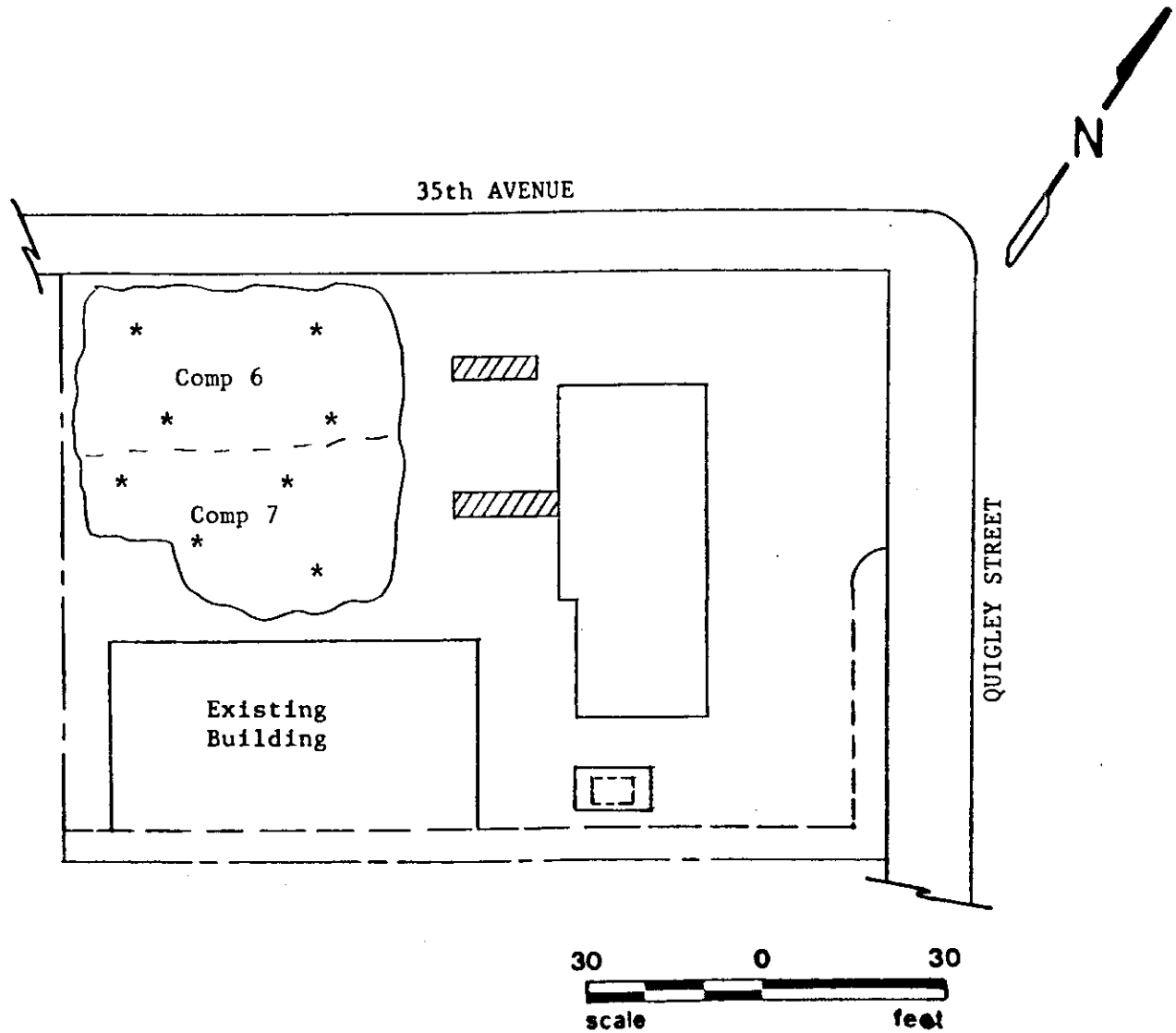
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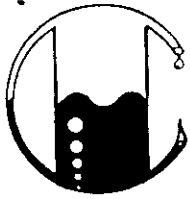
(707) 746-6915



SITE PLAN

\* Sample Point Location

Unocal S/S #6129  
3420 - 35th Avenue  
Oakland, California



# MOBILE CHEM LABS INC.

1678 Reliez Valley Road  
Lafayette, CA 94549 • (415) 945-1266

Kaprealian Engineering, Inc.  
P O Box 913  
Benicia, CA 94510  
Attn: Mardo Kaprealian, P.E.  
President

Date Sampled: 11-02-89  
Date Received: 11-02-89  
Date Reported: 11-03-89

Sample Number  
-----  
B119020

Sample Description  
-----  
Unocal - Oakland  
3420 35th Ave.  
Comp 6 SOIL

## ANALYSIS

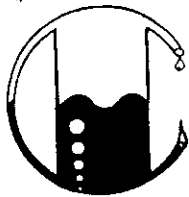
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	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and TPH LUFT  
with method 8020 used for BTX distinction.

MOBILE CHEM LABS

Ronald G. Evans  
Lab Director



# MOBILE CHEM LABS INC.

1678 Reliez Valley Road  
Lafayette, CA 94549 • (415) 945-1266

Kaprealian Engineering, Inc.  
P O Box 913  
Benicia, CA 94510  
Attn: Mardo Kaprealian, P.E.  
President

Date Sampled: 11-02-89  
Date Received: 11-02-89  
Date Reported: 11-03-89

Sample Number

-----  
B119021

Sample Description

-----  
Unocal - Oakland  
3420 35th Ave.  
Comp 7 SOIL

ANALYSIS

	Detection Limit	Sample Results
	----- ppm	----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	4.3
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and TPH LUFT  
with method 8020 used for BTX distinction.

MOBILE CHEM LABS

Ronald G. Evans  
Lab Director



# KAPREALIAN ENGINEERING, INC.

## CHAIN OF CUSTODY

<b>SAMPLER</b> Joe Agemian		<b>SITE NAME &amp; ADDRESS</b> Unocal 3420 35th Ave Oakland, Ca. 94619				<b>ANALYSES REQUESTED</b> TPHG/BTEX				<b>TURN AROUND TIME:</b> 24 hr. By 8 AM	
<b>WITNESSING AGENCY</b> None										<b>REMARKS</b>	
SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB OR COMP.	NO. OF CONT.	SAMPLING LOCATION				
Comp 6	11/2/89	12:30	✓		C	2	Fuel Tank Pit Stockpile	✓			
Comp 7	11/2/89	12:45	✓		C	2	" " " "	✓			
Relinquished by: (Signature) Joe Agemian	Date/Time 11-2-89 1425	Received by: (Signature) Dary P. Harris	The following MUST BE completed by the laboratory accepting samples for analysis: 1. Have all samples received for analysis been stored in ice? Yes 2. Will samples remain refrigerated until analyzed? Yes 3. Did any samples received for analysis have head space? N/A 4. Were samples in appropriate containers and properly packaged? Yes Signature: <u>J. Dishnear</u> Title: <u>Spec</u> Date: <u>11-2-89</u>								
Relinquished by: (Signature) Dary Harris	Date/Time 11-2-89 3:10	Received by: (Signature) J. Dishnear									
Relinquished by: (Signature)	Date/Time	Received by: (Signature)									
Relinquished by: (Signature)	Date/Time	Received by: (Signature)									