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

KEI-J88-1203.R4
February 5, 1990

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

Attention: Mr. Tim Ross

RE: Stockpiled Soil Sampling for
Unocal Service Station #3135
845 - 66th Avenue
Oakland, California

Dear Mr. Ross:

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 January 24, 1990, 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 1 and Comp 2) 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 two-inch 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. Both samples were analyzed at Sequoia Analytical in Redwood City, 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 at 230 ppm for Comp 1 and 16 ppm for Comp 2. Analytical results are summarized in Table 1. Copies of the laboratory analyses, and the Chain of Custody documentation are attached to this report.

Based on TPH levels in the stockpiled soil represented by Comp 2 of less than 100 ppm, the soil can be disposed of at an approved Class III disposal site (based on Regional Water Quality Control Board guidelines). However, KEI recommends that during disposal, when obvious isolated high contamination is detected within the stockpiled soil, that portion of the soil be separately stockpiled for further sampling and treatment.

Based on the TPH levels in Comp 1 exceeding 100 ppm, KEI recommends that this soil should be retained on-site for aeration and resampling.

DISTRIBUTION

A copy of this report should be sent to Alameda County Health Agency, 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.

Christina L. Lecce

Christina L. Lecce

cll

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

KEI-J88-1203.R4
February 5, 1990

TABLE 1

SUMMARY OF LABORATORY ANALYSES

(Results in ppm)
(Samples collected on January 24,1990)

Sample	TPH as Gasoline	Benzene	Toluene	Xylenes	Ethylbenzene
Comp 1	230	0.10	ND	12	ND
Comp 2	16	ND	ND	ND	ND
Detection Limits	1.0	0.05	0.1	0.1	0.1

ND = Non-detectable.

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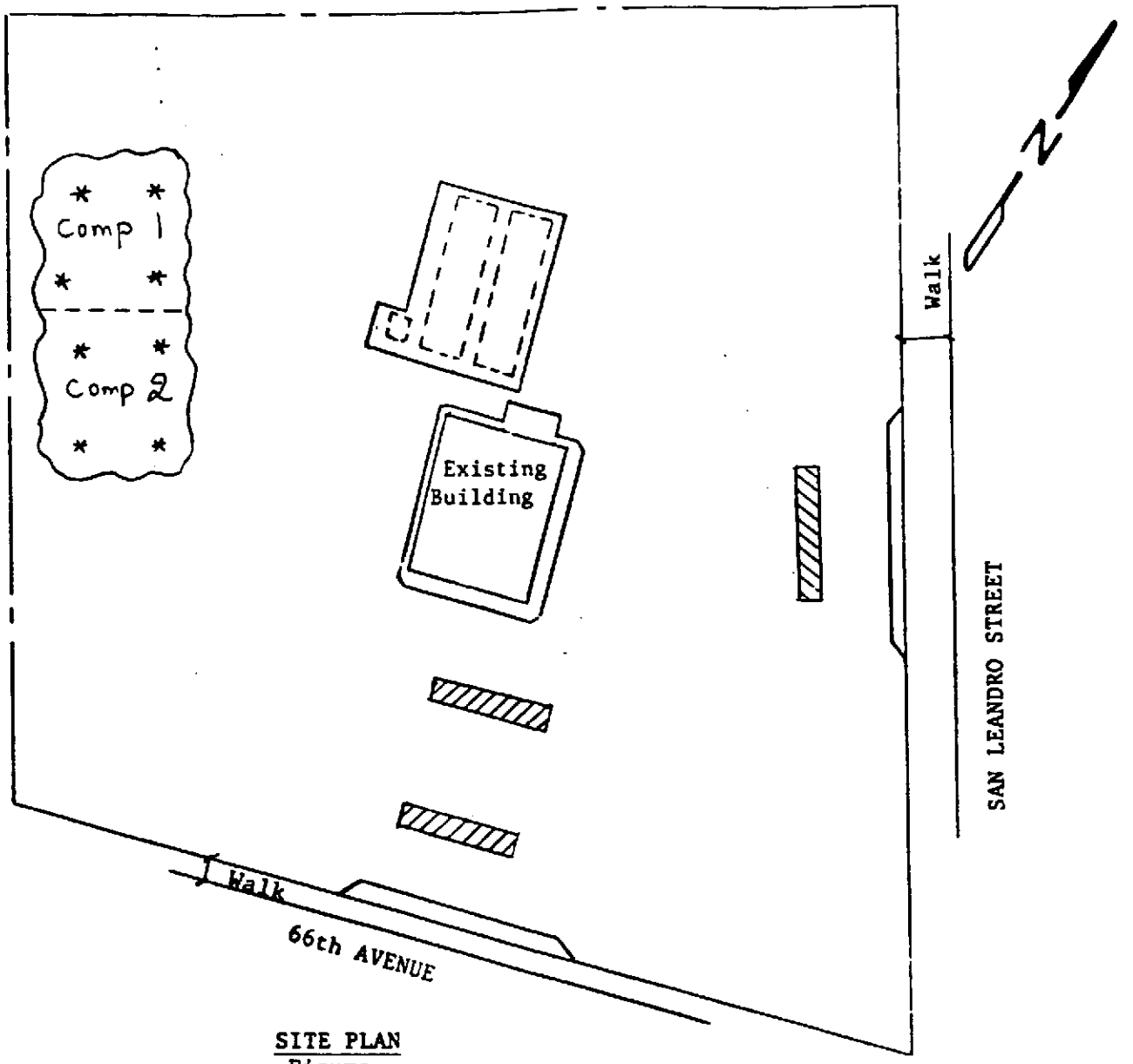


SITE PLAN
Figure

LEGEND

* Sample Point Location

Unocal SS #3135
845 66th AVENUE
OAKLAND, CALIFORNIA

SEQUOIA ANALYTICAL

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

Kaprealian Engineering, Inc.	Client Project ID:	Unocal, Oakland, 66th/San Leandro	Sampled:	Jan 24, 1990
P.O. Box 996	Matrix Descript:	Soil	Received:	Jan 25, 1990
Benicia, CA 94510	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Jan 25, 1990
Attention: Mardo Kaprealian, P.E.	First Sample #:	001-2899 A-B	Reported:	Jan 26, 1990

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

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
0012899 A-B	Composite 1	230	0.10	N.D.	N.D.	12
0012900 A-B	Composite 2	16	N.D.	N.D.	N.D.	N.D.
Detection Limits:		**1.0**	**0.05**	**0.1**	**0.1**	**0.1**

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

Belinda C. Vega
Project Manager

KAPREALIAN ENGINEERING, INC.

CHAIN OF CUSTODY

SAMPLER: HAGOP

WITNESSING AGENCY:

SITE NAME & ADDRESS: Unocal - Oakland - 66th Ave / San Leandro

ANALYSES REQUESTED: TPH-D; BTXE

TURN AROUND TIME: 24 Hrs

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	(COMP)	NO. OF CONT.	SAMPLING LOCATION
Comp 1	1/24/90		✓			✓	2	Stockpile
Comp 2	1/24/90		✓			✓	2	Stockpile

REMARKS: 001289 AB 2900

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Hagop Kevorkian	1-24-90 4:35	Ben Lamunyon
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Ben Lamunyon	18:55 1-24-90	Dan M. [illegible]

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? ✓
2. Will samples remain refrigerated until analyzed? ✓
3. Did any samples received for analysis have head space? NO
4. Were samples in appropriate containers and properly packaged? ✓

DN	SK	1-24-90
Signature	Title	Date

PARADISO CONSTRUCTION CO.

GENERAL & PETROLEUM CONTRACTORS

9220 'G' STREET • P.O. BOX 6397 • OAKLAND, CA 94603
(415) 562-5511 Contractor's Lic. #259820

LETTER OF TRANSMITTAL

DATE	JOB NO.
2/28/90	571

ATTENTION

RE: Tank test results

TO Alameda County Health Care Services
Attn: Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

90 FEB 29 AM 11:05

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1	2/26/90		Tank test results: Unocal #3135
			845 66th Ave.
			Oakland, CA 621

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO Unocal - Tim Ross

SIGNED: Deanna Harding

If enclosures are not as noted, kindly notify us at once.

Data Chart for Tank System Tightness Test

PLEASE PRINT

1. OWNER Property ☑ Tank(s) ☑

UNOCAL 66th AVE OAKLAND.
Name | Address | Representative | Telephone

Name | Address | Representative | Telephone

2. OPERATOR

SAME
Name | Address | Telephone

3. REASON FOR TEST (Explain Fully)

NEW TANKS & SYSTEMS

4. WHO REQUESTED TEST AND WHEN

Tim Ross | ENG | UNOCAL | Date
Name | Title | Company or Affiliation

Address | Telephone

5. TANK INVOLVED Use additional lines for manifolded tanks

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
#1 WEST	12,000	UNOCAL	Super Unlead	New	Steel
#2 EAST	"	"	"	"	"

6. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
Rear of Building	Concrete	4"	2"	0	R.J. TURBINE
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Titefill make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

7. UNDERGROUND WATER

Depth to the Water table UNKNOWN ft.

Is the water over the tank? ☐ Yes ☐ No

8. FILL-UP ARRANGEMENTS

Tanks to be filled _____ hr. _____ Date Arranged by _____
Name | Telephone

Extra product to "top off" and run tank tester. How and who to provide? Consider NO Lead.

Terminal or other contact for notice or inquiry _____
Company | Name | Telephone

9. CONTRACTOR, MECHANICS, any other contractor involved

Paradiso Construction Co.

Dave Mordick

10. OTHER INFORMATION OR REMARKS

Testing Systems without Product Lines

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test, etc.

11. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for as detailed on attached test charts with results as follows:

Tank Identification	Tight	Leakage Indicated	Date Tested
#1 WEST	YES	+.0005 GPH	2/26/90
#2 EAST	YES	+.004 GPH	2/26/90

12. SENSOR CERTIFICATION

Date

Serial No. of Thermal Sensor

13. This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.

Technicians

1. DAVE M
Certification # 414811371

2. _____
Certification # _____

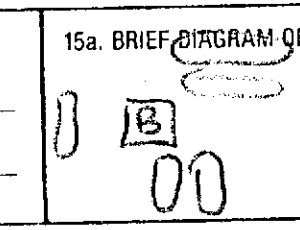
Paradiso Construction Co. Dave Mordick
Testing Contractor or Company. By: Signature

9220 "G" Street, Oakland, CA 94603
Address

PN6827

14. UNOCAL | 66th AVE | Oakland | Ca. | 2/26/90
Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

15. TANK TO TEST
1 WEST
Identity by position
Super
Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD


16. CAPACITY
Nominal Capacity 12000 Gallons
By most accurate capacity chart available 12,245 Gallons

From
- [x] Station Chart
- [ ] Tank Manufacturer's Chart
- [ ] Company Engineering Data
- [ ] Charts supplied with
- [ ] Other

17. FILL-UP FOR TEST

	Gallons	Total Gallons as Reading
Stick Water Bottom before Fill-up 95 in. to ⅛"	12245 Gallons	95 in. Tank Diameter
Inventory		12,245
Top off		50
		12295
Transfer total to line 25a		

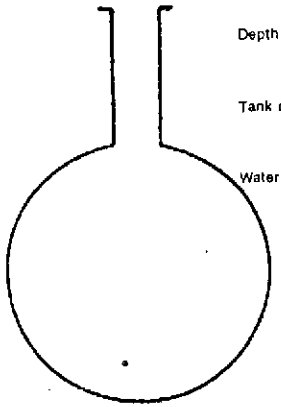
18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK
- [ ] Water in tank
- [ ] Line(s) being tested with LVLLT
- [ ] High water table in tank excavation

See manual sections applicable. Check below and record procedure in log (27).

Use maximum allowable test pressure for all tests.
Four pound rule does not apply to doublewalled tanks.

Complete section below:

1. Is four pound rule required? Yes [ ] No [X]
2. Height to 12" mark from bottom of tank 181 in.
3. Pressure at bottom of tank 6.534 P.S.I.
4. Pressure at top of tank 3.1046 P.S.I.



NOTES:

The above calculations are to be used for dry soil conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.

Refer to N.F.P.A. 30, Sections 2-3.2.4 and 2-7.2 and the tank manufacturer regarding allowable system test pressures.

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to grade* 161 in.
Add 30" for "T" probe assy. 30 in.
Total tubing to assemble — approximate 192 in.

20. EXTENSION HOSE SETTING
Tank top to grade* 66 in.
Extend hose on auction tube 6" or more below tank top 10 in.
*If Fill pipe extends above grade, use top of fill.

22. Thermal-Sensor reading after circulation 09016 digits
49150 °F Between
23. Digits per °F in range of expected change 299 digits

COEFFICIENT OF EXPANSION (Complete after circulation)
24a. Corrected A.P.I. Gravity
Observed A.P.I. Gravity
Hydrometer employed H
Observed Sample Temperature °F
Corrected A.P.I. Gravity @ 60°F, From Table A
Coefficient of Expansion for Involved Product From Table B
Transfer COE to Line 25b.

21. VAPOR RECOVERY SYSTEM [ ] Stage I [ ] Stage II

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD
Type of Product
Hydrometer Employed H
Temperature in Tank After Circulation °F
Temperature of Sample °F
Difference (+/-) °F
Observed A.P.I. Gravity
Reciprocal Page #
Total quantity in full tank (16 or 17) + Reciprocal = Volume change in this tank per °F
Transfer to Line 26a.

24c. FOR TESTING WITH WATER see Table C & D
Water Temperature after Circulation Table C 49.0 °F
Coefficient of Water Table D .00004470
Added Surfactant? [X] Yes [ ] No Transfer COE to Line 25b.

25. (a) 12,295. Total quantity in full tank (16 or 17) × (b) .00004470 Coefficient of expansion for involved product = (c) .5495865 Volume change in this tank per °F gallons
A = .0018
26. (a) .5495865 Volume change per °F (25 or 24b) ÷ 299 Digits per °F in test = .00183808 Volume change per digit This is test

						(Supor)							
0745	Arrived on site												
	Top of Tanks with water.												
0930	Begin Circulation					R =	.0018						
1100	1st Sensor Reading							090116					
1115	Begin High Test.	1	42.4	42	.450	.500	+.050	018	+2	+.004	+.046		
1130		2	41.8	42	.500	.450	-.050	020	+2	+.004	-.054		
1145		3	40.8	42	.450	.250	-.200	023	+3	+.005	-.205		
1200		4	42.0	42	.730	.730	±.000	023	+0	±.000	±.000		
1215		5	42.0	42	.730	.730	±.000	028	+5	+.009	-.009		
1230		6	41.8	42	.730	.650	-.080	029	+1	+.002	-.082		
1245		7	42.0	42	.650	.650	±.000	031	+2	+.004	-.004		
1300		8	42.0	42	.650	.650	±.000	031	+0	±.000	±.000		
	Drop To Low												
1315	1st Sensor Reading	9	12.6	12	.650	.710	+.060	035	+4	+.007	+.053		
1330	2nd " "	10	12.0	12	.710	.710	±.000	038	+3	+.005	-.005		
1335	Begin Low Test.	11	12.0	12	.710	.710	±.000	038	+0	±.000	±.000	±.000	
1340		12	12.0	12	.510	.510	±.000	.039	+1	+.002	-.002	-.002	
1345		13	12.0	12	.510	.510	±.000	039	+0	±.000	±.000	-.002	
1350		14	12.1	12	.510	.515	+.005	040	+1	+.002	+.003	+.001	
1355		15	12.0	12	.515	.515	±.000	041	+1	+.002	-.002	-.001	
1400		16	12.0	12	.515	.515	±.000	041	+0	±.000	±.000	-.001	

P-T Tank Test Data Chart
Additional Info

1. Net Volume Change at Conclusion of Precision Test _____ gph

Signature of Tester: _____

Date: _____

2. Statement:

☐ Tank and product handling system has been tested tight according to the Precision Test Criteria as established by N.F.P.A. publication 329. This is not intended to indicate permission of a leak.

OR

☐ Tank and product handling system has failed the tank tightness test according to the Precision Test Criteria as established by N.F.P.A. publication 329.

It is the responsibility of the owner and/or operator of this system to immediately advise state and local authorities of any implied hazard and the possibility of any reportable pollution to the environment as a result of the indicated failure of this system. Heath Consultants Incorporated does not assume any responsibility or liability for any loss of product to the environment.

Tank Owner/Operator _____

Date _____

Super

						D=	.0018					
1400	CONTINUE LOW	16	12.0	12	.515	.515	±.000	041	+0	±.000	±.000	-.001
1405		17	12.1	12	.515	.520	+.005	042	+1	+.002	+.003	+.002
1410		18	12.0	12	.520	.520	±.000	042	+0	±.000	±.000	+.002
1415		19	12.0	12	.520	.520	±.000	044	+2	+.004	-.004	-.002
1420		20	12.0	12	.520	.520	±.000	044	+0	±.000	±.000	-.002
1425		21	12.0	12	.520	.520	±.000	044	+0	±.000	±.000	-.002
1430		22	12.1	12	.520	.525	+.005	045	+1	+.002	+.003	+.001
1435		23	12.0	12	.525	.525	±.000	045	+0	±.000	±.000	+.001
1440		24	12.0	12	.525	.525	±.000	047	+2	+.004	-.004	-.003
1445		25	12.0	12	.525	.525	±.000	047	+0	±.000	±.000	-.003
1450		26	12.1	12	.525	.530	+.005	047	+0	±.000	+.005	+.002
1455		27	12.0	12	.530	.530	±.000	047	+0	±.000	±.000	+.002
1500		28	12.0	12	.530	.530	±.000	048	+1	+.002	-.002	±.000
1505		29	12.0	12	.530	.530	±.000	049	+1	+.002	-.002	-.002
1510		30	12.0	12	.530	.530	±.000	049	+0	±.000	±.000	-.002
1515		31	12.1	12	.530	.535	+.005	049	+0	±.000	+.005	+.003
1520		32	12.0	12	.535	.535	±.000	050	+1	+.002	-.002	+.001
1525		33	12.0	12	.535	.535	±.000	050	+0	±.000	±.000	+.001
1530		34	12.0	12	.535	.535	±.000	050	+0	±.000	±.000	+.001
											÷	2
												+.0005

P-T Tank Test Data Chart
Additional Info

1. Net Volume Change at Conclusion of Precision Test +.0005 GPH gph

Signature of Tester: [signature]

Date: 2/26/90

2. Statement:

☒ Tank and product handling system has been tested tight according to the Precision Test Criteria as established by N.F.P.A. publication 329. This is not intended to indicate permission of a leak.

OR

☐ Tank and product handling system has failed the tank tightness test according to the Precision Test Criteria as established by N.F.P.A. publication 329.

It is the responsibility of the owner and/or operator of this system to immediately advise state and local authorities of any implied hazard and the possibility of any reportable pollution to the environment as a result of the indicated failure of this system. Heath Consultants Incorporated does not assume any responsibility or liability for any loss of product to the environment.

Tank Owner/Operator ______________________

Date ______________________

14. UNOCAL | 66th Ave | OAKLAND | CA | 2/26/90
Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

15. TANK TO TEST
#2 EAST
Identity by position
UNLEAD
Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD

16. CAPACITY
Nominal Capacity 12,000 Gallons
By most accurate capacity chart available 12,245 Gallons
From
- [ ] Station Chart
- [ ] Tank Manufacturer's Chart
- [ ] Company Engineering Data
- [ ] Charts supplied with
- [ ] Other

17. FILL-UP FOR TEST
Stick Water Bottom before Fill-up 95 to ⅛" in. | 12245 Gallons | 95 Tank Diameter in.

	Gallons	Total Gallons ea. Reading
Inventory		12,245
Top off		50
Transfer total to line 25a		12,295

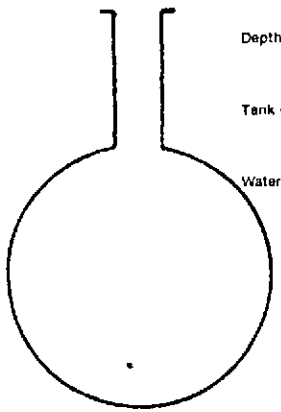
18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK
- [ ] Water in tank
- [ ] Line(s) being tested with LVLLT
- [ ] High water table in tank excavation

See manual sections applicable. Check below and record procedure in log (27).

Use maximum allowable test pressure for all tests.
Four pound rule does not apply to doublewalled tanks.

Complete section below:

1. Is four pound rule required? Yes [ ] No [X]
2. Height to 12" mark from bottom of tank 129 in.
3. Pressure at bottom of tank 6.4619 P.S.I.
4. Pressure at top of tank 3.0324 P.S.I.



NOTES:

The above calculations are to be used for dry soil conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.

Refer to N.F.P.A. 30, Sections 2-3.2.4 and 2-7.2 and the tank manufacturer regarding allowable system test pressures.

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to grade* 159.5 in.
Add 30" for "T" probe assy. 30 in.
Total tubing to assemble — approximate 192 in.

20. EXTENSION HOSE SETTING
Tank top to grade* 64.5 in.
Extend hose on suction tube 6" or more below tank top 10 in.
*If Fill pipe extends above grade, use top of fill.

22. Thermal-Sensor reading after circulation 09350 digits
Between 5015 1 °F
23. Digits per °F in range of expected change 301 digits

COEFFICIENT OF EXPANSION (Complete after circulation)
24a. Corrected A.P.I. Gravity
Observed A.P.I. Gravity
Hydrometer employed H
Observed Sample Temperature °F
Corrected A.P.I. Gravity @ 60°F, From Table A
Coefficient of Expension for Involved Product From Table B
Transfer COE to Line 25b.

21. VAPOR RECOVERY SYSTEM [ ] Stage I [ ] Stage II

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD
Type of Product
Hydrometer Employed H
Temperature in Tank After Circulation °F
Temperature of Sample °F
Difference (+/-) °F
Observed A.P.I. Gravity
Reciprocal Page #
Total quantity in full tank (16 or 17) + Reciprocal = Volume change in this tank per °F
Transfer to Line 26a.

24c. FOR TESTING WITH WATER see Table C & D
Water Temperature after Circulation Table C 50.0 °F
Coefficient of Water Table D .00004887
Added Surfactant? [X] Yes [ ] No Transfer COE to Line 25b.

25. (a) 12,295 Total quantity in full tank (16 or 17) × (b) .00004887 Coefficient of expansion for involved product = (c) .60085665 gallons Volume change in this tank per °F
A = .0020
26. (a) .60085665 ÷ 301 Digits per °F in test = .001996201 This is Volume change per digit

0745	Arrived on Site					(Unleaded)							
	Top of Tanks with Water												
						N=	.0020						
0930	Begin Circulation												
1100	1st Sensor Reading							09350					
1115	Begin High Test	1	42.3	12	.380	.410	+.030	352	+2	+.004	+.026		
1130		2	41.8	12	.410	.360	-.050	354	+2	+.004	-.004		
1145		3	42.0	12	.360	.360	±.000	359	+5	+.010	-.010		
1200		4	41.7	12	.360	.290	-.070	359	+0	±.000	-.070		
1215		5	42.0	12	.290	.290	±.000	364	+5	+.010	-.010		
1230		6	41.7	12	.290	.230	-.060	364	+0	±.000	-.060		
1245		7	42.0	12	.330	.230	±.000	368	+4	+.008	-.008		
1300		8	42.0	12	.230	.230	±.000	370	+2	+.004	-.004		
	Drop to Low.												
1315	1st Sensor Reading	9	12.6	12	.230	.300	+.070	370	+0	±.000	+.070		
1330	2nd " "	10	12.0	12	.300	.300	±.000	372	+2	+.004	-.004		
1335	Begin Low Test.	11	12.0	12	.300	.300	±.000	372	+0	±.000	±.000	±.000	
1340		12	12.1	12	.300	.305	+.005	373	+1	+.002	+.003	+.003	
1345		13	12.0	12	.305	.305	±.000	373	+0	±.000	±.000	+.003	
1350		14	12.0	12	.305	.305	±.000	374	+1	+.002	-.002	+.001	
1355		15	12.0	12	.305	.305	±.000	374	+0	±.000	±.000	+.001	
1400		16	12.1	12	.305	.310	+.005	375	+1	+.002	+.003	+.004	

P-T Tank Test Data Chart
Additional Info

1. Net Volume Change at Conclusion of Precision Test _____ gph

Signature of Tester: _____

Date: _____

2. Statement:

☐ Tank and product handling system has been tested tight according to the Precision Test Criteria as established by N.F.P.A. publication 329. This is not intended to indicate permission of a leak.

OR

☐ Tank and product handling system has failed the tank tightness test according to the Precision Test Criteria as established by N.F.P.A. publication 329.

It is the responsibility of the owner and/or operator of this system to immediately advise state and local authorities of any implied hazard and the possibility of any reportable pollution to the environment as a result of the indicated failure of this system. Heath Consultants Incorporated does not assume any responsibility or liability for any loss of product to the environment.

Tank Owner/Operator _____

Date _____

OW cond.

					A =	.0020						
1400	Continue Low	16	12.1	12	.305	.310	+.005	375	+1	+.002	+.003	+.004
1405		17	12.0	12	.310	.310	±.000	375	+0	±.000	±.000	+.004
1410		18	12.0	12	.310	.310	±.000	375	+0	±.000	±.000	+.004
1415		19	12.1	12	.310	.315	+.005	376	+1	+.002	+.003	+.007
1420		20	12.0	12	.315	.315	±.000	376	+0	±.000	±.000	+.007
1425		21	12.0	12	.315	.315	±.000	377	+1	+.002	-.002	+.005
1430		22	12.0	12	.315	.315	±.000	377	+0	±.000	±.000	+.005
1435		23	12.1	12	.315	.320	+.005	377	+0	±.000	+.005	+.010
1440		24	12.0	12	.320	.320	±.000	379	+2	+.004	-.004	+.006
1445		25	12.0	12	.320	.320	±.000	379	+0	±.000	±.000	+.006
1450		26	12.1	12	.320	.325	+.005	379	+0	±.000	±.005	+.011
1455		27	12.0	12	.325	.325	±.000	379	+0	±.000	±.000	+.011
1500		28	12.0	12	.325	.325	±.000	380	+1	+.002	-.002	+.009
1505		29	12.0	12	.325	.325	±.000	380	+0	±.000	±.000	+.009
1510		30	12.0	12	.325	.325	±.000	380	+0	±.000	±.000	+.009
1515		31	12.1	12	.325	.330	+.005	381	+1	+.002	+.003	+.012
1520		32	12.0	12	.330	.330	±.000	382	+1	+.002	-.002	+.010
1525		33	12.0	12	.330	.330	±.000	382	+0	±.000	±.000	+.010
1530		34	12.0	12	.330	.330	±.000	383	+1	+.002	-.002	+.008
											÷	2
												+.004

P-T Tank Test Data Chart
Additional Info

1. Net Volume Change at Conclusion of Precision Test +.004 gph

Signature of Tester: [signature]

Date: 2/26/90

2. Statement:

☒ Tank and product handling system has been tested tight according to the Precision Test Criteria as established by N.F.P.A. publication 329. This is not intended to indicate permission of a leak.

OR

☐ Tank and product handling system has failed the tank tightness test according to the Precision Test Criteria as established by N.F.P.A. publication 329.

It is the responsibility of the owner and/or operator of this system to immediately advise state and local authorities of any implied hazard and the possibility of any reportable pollution to the environment as a result of the indicated failure of this system. Heath Consultants Incorporated does not assume any responsibility or liability for any loss of product to the environment.

Tank Owner/Operator __________

Date __________