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Tosco Corporation
P.O. Box 25376
Santa Ana, California 92799-5376

TOSCO

July 24, 1997

Original and 1 Copy - Via Hand Delivery

David Bacharowski
Project Manager
LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
101 Centre Plaza Drive
Monterey Park, California 91754-2156

2 Copies - Via Overnight Mail

Steven Linder
Project Manager (WST-5)
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
75 Hawthorne Street
San Francisco, California 94105

Rey Rodriguez
Utilities Division
CITY OF SANTA MONICA
1212 Fifth Street
Santa Monica, California 90401

Denise Kruger
SOUTHERN CALIFORNIA WATER COMPANY
P.O. Box 9016
San Dimas, California 91773

Re: Methyl Tertiary Butyl Ether Pollution Investigation of the Charnock Sub-Basin
Response to Information Request for Assessment of Potential Responsible Party Sites (File Number 96-042)
UNOCAL Service Station #4357,
11280 National Boulevard, Los Angeles, California

VOLUME 8 OF 8

(Exs. 14 through 23)

UnitNum	WorkOrder	GLCode	VendorNum	Description	WOTotal	CallDate	InvReceived	InvProcessed	InvNumber	InvDate	Status
4357	IRW1443			PUMP #5 & #6 ARE MALFUNCTIONING ARRIVED AND FOUND LOW VALVES NOT RECEIVING VOLTAGE NEED TO RETURN WITH DRIVER BOARD. HOLD RETURNED INSTALLED DRIVER BOARD. TESTED MONITOR WITH CUSTOMER AND OK. DONE	$225.39	12/12/94					V
4357	IRW2270			AIR COMPRESSOR RELEASE VALVE MALFUNCTIONING. ARRIVED TO CHECK ON COMPRESSOER RELIEF VALVE. FOUND VALVE LOOSE ON SEAT. TIGHTENED AND TESTED OK. DONE	$77.00	2/23/95					V
4357	IRW2486			MONITOR IS SHOWING WATER IN W/O TANK . WORK COMPLETED AND VERIFIED BY TECH 3/10/95	$36.52	3/9/95					V
4357	IRW2582			ALARM GOING WORK COMPLETED AND VERIFIED BY TECH. 3/12/95	$44.00	3/11/95					V
4357	TYR10020	920-625-000	10.00	#16 NOT PRINTING RECEIPTS...///UPON ARRIVAL FOUND #16 WORKING AND PRINTING GOOD.	$0.00	12/4/96					A
4357	TYR10042		10.00	REPAIR ASPHALT-AND POT HOLES ON SITESUB'D TO PAVEWEST ON 12/9/96.	$0.00	12/9/96					A
4357	TYR10416	920-600-000	10.00	ELECTRICAL OUTLET IN STATION BAD-SPARKING...///REPLACED CIRCUIT BREAKER. ***REF TO W/O# TYR803399	$0.00	3/4/97					V
4357	TYR800765		10.00	12/24/96 REPAIR ASPHALT -POT HOLES UNO#88093 REPAIRED ASPHALT POT HOLES PER BID	$1,064.00	12/12/96					
4357	TYR801528		10.00	01/28/97 PUMP #15 GOING OVER PERSET	$0.00	1/24/97					
4357	TYR801783		10.00	01/30/97 #10 NOT GIVING RECEIPTS ... PRINTER INTERIOR DOOR DOES NOT L CK PAPER .HAS TO BE REPLACED...	$0.00	1/29/97					
4357	TYR803399	920-600-000	10.00	03/06/97 ELECTRICAL OUTLET BAD-WHICH IS CAUSING SPARKING TYR# 10416 CHECKED ELECTRICAL-REPLACED CIRCUIT BREAKER.	$168.00	3/4/97	6/9/97	6/13/97	072919	3/13/97	P
4357	TYR803627		10.00	01/30/97 #10 NOT GIVING RECEIPTS... PRINTER INTERIOR DOOR DOES NOT LOCK PAPER ADJUSTED SWITCHES FOR PAPER ROLL AND DOOR CLOSER. CLEARED PAPER JAM WENT THRU DIAGNOSTICS TESTED ALL OK.	$135.00	1/30/97					
4357	TYR805037		10.00	04/04/97 #9 VIDEO SCREEN ACTING UP PLS CHECK.. RESEATED CABLES, POWERED UP SYSTEM. FUNCTION IS NORMAL.	$133.00	4/2/97					A
4357	TYR806997		10.00	05/02/97 #14 COUPLING IS MISSING AND SOMEHOW FELL INTO PUMP ASAP REASSEMBLED DISPENSER. TEST GOOD	$0.00	5/2/97					A
4357	TYR807994		10.00	01/27/97 DISPENSER WORKING.TESTED ALLGRADES AND STOPPED ON CORRECT AMOUNT	$0.00	1/24/97					A
4357	TYR808431		10.00	12/05/96 #16 NOT PRINTING UPON ARRIVAL #16 WAS WORKING AND PRINTING GOOD. RETEST. O.K	$0.00	12/5/96					A

UnitNum	WorkOrder	GLCode	VendorNum	Description	WOTotal	CallDate	InvReceived	InvProcessed	InvNumber	InvDate	Status
4357	TYR809719		10.00	06/18/97 #13 CRIND PAD WILL NOT TAKE DEBIT NOR GIVE CARWASH CHECKED #13 PERFORMED DOWN LAOND AND WARM START AND CRIND TEST.TESTED O.K. DID SOME PROCEDURE ON #16 AND #6 CRINDS. TESTED O.K. OBSERVED CUSTOMERS USE ALL OPERATIONAL TESTED O.K.	$0.00	6/18/97					A
4357	UNO51083	920-625-000	,078,821.00	lost all power to pumps.	$228.00	3/27/95	4/3/95	4/10/95	m51134	3/30/95	P
4357	UNO54341	921-601-000	,001,129.00	CLEAN AND POLISH TILE FLOOR INSIDE C-STORE WORK SHOULD BE DONE LATE MORNING OR EARLY AFTERNOON . ON 5/18/95 CHARGE TOcancel 11-30-95 AFE#10946206.wrong station ref ls #4373	$0.00	5/17/95					V
4357	UNO54343	920-600-003	,001,129.00	secure or clip on inside lite fixture lense inside c-store .	$94.34	5/17/95	5/31/95	6/16/95	019901	5/26/95	P
4357	UNO55534	301-200-10	,078,821.00	reconnect intercom system on a disp located on the s/s island previously f/s .advise art asap. charge to afe# 10946206	$1,856.39	6/5/95	7/26/95	8/10/95	m53860	7/21/95	P
4357	UNO56995	920-367-024	,001,129.00	aa 7241601 06-17-95customer hit and damaged back room.	$702.00	6/19/95	7/17/95	7/20/95	020055	7/13/95	P
4357	UNO62957	920-600-003	,551,563.00	several canopy lites out also one car wash lite out .advise art if any other components have fail (if so this becomes plastolite warranty .void this is dlr responsability .	$0.00	9/13/95					V
4357	UNO63961	920-367-025	,078,821.00	aft hrs 08/02/95- #5 speeker distroyed, #9 info screen vandalized. (GILBARCO was billed for the #5 speeker, it maybe kicked back for vandalism, csr#519027a)	$578.11	9/27/95	10/3/95	10/31/95	M55598	9/28/95	P
4357	UNO64707	920-600-003	,551,563.00	REPLACED SHUE BOX FIXTURE	$8.80	10/9/95	10/9/95	10/23/95	21-957727	9/30/95	P
4357	UNO67287	920-367-025	,078,821.00	Ref UNO63961. Damage to information screens on Disp #9 & #12 due to customer abuse. Originally submitted to Gilbarco for warranty coverage, however, customer abuse not covered by warranty terms.	$5,270.65	11/26/95	11/27/95		M56664	11/15/95	P
4357	UNO69433	920-603-000	310,310.00	mens restroom door jammed/will not open /close eadily...customers banging on door.	$572.07	12/29/95	3/29/96	4/1/96	W11419	1/31/96	P
4357	UNO69960	920-600-003	,551,563.00	AREA LITE HAS A BAD BALLAST CHECK AND REPAIR	$46.00	1/8/96	1/31/96	2/1/96	21-996925	1/25/96	P
4357	UNO70656	920-625-000	,078,821.00	all info screen flickering when being use by customers .system still under warranty .advise art when job completed ...	$95.00	1/19/96	3/27/96	5/2/96	M60208	3/26/96	P
4357	UNO74588	920-367-025	,078,821.00	speaker on the info screen was vandalized	$132.57	3/15/96	3/21/96	10/2/96	M60052	3/19/96	P
4357	UNO75959	920-600-003	,488,113.00	duplicate wall pack light fixture by installing one at the main entry . like to like fixture .	$695.00	4/9/96	5/2/96	6/12/96	31137	4/25/96	P
4357	UNO76616	920-600-003	,551,563.00	replace 1 480 slh-tcp, 4 f96t12 cw ho, 10 73b wirenuts, 2 452 red wirenuts, 1 #14 red wire 1 #14 blue wire	$78.44	4/19/96	4/18/96	4/22/96	21-102628	4/12/96	P
4357	UNO76769	920-614-000	,646,835.00	MAIN WATER LINE UNDERGROUND BROKEN CHECK AND REPAIR ASAP ADVISE DAMON ON FINDINGS,PER JOHN PANZIC.	$1,498.96	4/22/96	5/6/96	6/28/96	33468	4/25/96	P
4357	UNO76957	920-614-000	,646,835.00	under ground water leak discover to the main building . midtown to check and advise .	$1,975.00	4/25/96	5/20/96	6/18/96	33491	5/17/96	P
4357	UNO78372	920-600-003	,551,563.00	replace 3 f96t12-cw-ho, 1 kulka #1548-1 socket, 2 73-b wirenuts. replaced burned lamps and sockets in i.d sign.	$16.33	5/23/96	5/22/96	6/4/96	21-103778	5/17/96	P
4357	UNO78464	920-600-003	,551,563.00	SEVERAL LITES OUT INSIDE THE BUILDING AND AREA LIGHTS.	$50.16	5/24/96	6/17/96	6/20/96	21-104522	5/31/96	P

UnitNum	WorkOrder	GLCode	VendorNum	Description	WOTotal	CallDate	InvReceived	InvProcessed	InvNumber	InvDate	Status
4357	UNO80970	920-612-000	,434,357.00	Station mgr have notice several post holes one next to the side walk and the other next to the phone .SAFETY HAZARD .	$350.00	7/18/96	8/7/96	8/13/96	10805	7/26/96	P
4357	UNO83376	920-367-024	,678,936.00	CUSTOMER HIT AND DAMAGED CANOPY COLUMN	$707.00	9/12/96	11/5/96	12/9/96	4212	10/23/96	P
4357	UNO85120	920-625-000	,000,544.00	broken select button in # 10 pump . system no longer under warranty .	$40.00	10/8/96	10/31/96	11/13/96	0023011-I	10/24/96	P
4357	UNO85623	300-400-305	,030,543.00	REPLACE LEAK DETECTOR TO CERTIFY LEAK SYSTEM	$294.39	10/16/96	10/30/96	11/8/96	7135	10/18/96	P
4357	UNO86111	920-626-000	,000,624.00	DUAL POST HOIST DROPPING CHECK AND REPAIR POSSIBLE UNDERGROUND LEAK, IF NOT AND CAN BE REPAIRED DEALER CHARGE, DEALER ADVISED.	$128.92	10/25/96	11/13/96	11/15/96	22759	10/28/96	P
4357	UNO87658	920-600-003	,551,563.00	ONE BANK OF CANOPY LITES OUT CHECK AND REPAIR ASAP	$285.00	11/26/96	1/13/97	1/24/97	21-111272	12/31/96	P
4357	UNO88093	920-612-000	10.00	SEVERAL POT HOLES IN YARD CHECK AND REPAIR ASAP SAFTY HAZARD	$1,064.00	12/5/96	1/10/97	1/28/97	070370	1/6/97	P
4357	UNO91609	920-600-003	,551,563.00	No lights in women's restroom. Dlr has already changed lamps & checked breaker. Possible ballast. Check & repair.	$0.00	2/28/97					A
4357	UNO93035	920-600-003	,551,563.00	LIGHTS OUT IN LOGO SIGN.	$27.76		4/21/97	5/5/97	21-114410	3/31/97	P
4357	UNO93739	920-643-000	,736,336.00	remove all protech signage per unocal specs asap advise damon when completed.	$550.00	5/16/97	6/2/97	6/26/97	0219	5/22/97	P

[redacted] Tank System Tightness Test

petro tite
TANK TESTER

10-5-81

1. OWNER Property ☒ Tank(s) ☒	UNION OIL SS #4357 (Name) NATIONAL & SAWTELLE (Address) - LOS ANGELES, CAL (Representative) (Telephone)
2. OPERATOR	LARRY FULTON (Name) 11280 NATIONAL (Address) LOS ANGELES, CAL. 478-5783 (Telephone)
3. REASON FOR TEST (Explain Fully)	LEAK PREVENTION PROGRAM.
4. WHO REQUESTED TEST AND WHEN	DAVE RUPP - ENGINEER (Name) (Title) (Company or Affiliation) L.A. DIVISION. (Address) 977-7637 (Telephone)
5. WHO IS PAYING FOR THIS TEST?	UNION OIL CO. (Company, Agency or Individual) 977-6227 (Telephone) P.O. BOX 7600 - LOS ANGELES, CAL. 90051 (Billing Address) (City) (State) (Zip) (Person Authorizing) (Title)
	Attention of: Order No. Other Instructions
6. TANK(S) INVOLVED System Tests	Identify by Direction: South / Middle / Diesel - 10,000 (NO TEST - TANK NEWLY INSTALLED)
	Capacity: 9940 / 9940 /
	Brand/Supplier: UNION / " /
	Grade: SUPER / Unleaded /
	Approx. Age: UNKNOWN / " /
	Steel/Fiberglass: STEEL / " /
7. INSTALLATION DATA	Location: N/W of Bldg. (North inside driveway, Rear of station, etc)
	Cover: CONCRETE BLACKTOP (Concrete, Black Top Earth, etc)
	Fills: 4" WITH drop tubes (Size, Thread make, Drop tubes, Remote Fills)
	Vents: 2" (Size, Manifolded)
	Siphons: None (Which tanks?)
	Pumps: Red Jacket Turbines with deposits (Suction, Remote, Make of stations)
8. UNDERGROUND WATER	Depth to the Water table UNKNOWN. Is the water over the tank? ☐ Yes ☐ No UNKNOWN
9. FILL-UP ARRANGEMENTS	Tanks to be filled 0700 hr. 10-5-81 Date Arranged by D. RUPP (Name) (Telephone)
	Extra product to "top off" and run TSTT. How and who to provide? Consider NO Lead.
	Terminal or other contact for notice or inquiry L.A.T. (Company) R-13 DRIVER - AL GIBBS (Name) 324-6661 (Telephone)
10. CONTRACTOR, MECHANICS, any other contractor involved	C B & D Co 634-7843
	" SUP. - GARY ALLISON
11. OTHER INFORMATION OR REMARKS	TELEPHONE TEST RESULTS TO DIV. MAINT. OFFICER.
	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.

12. TEST RESULTS

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

Tank Identification	Tight	Leakage Indicated	Date Tested
So. - SUPER	YES	WITHIN NFPA TOLERANCE	10-5-81
Mid. - Unleaded	YES	" "	10-5-81
		(SEE ATTACHED)	

13. CERTIFICATION

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.

7-82 (Date)

21103-C (Serial No. of Thermal Sensor)

D.A. Howard
H.D. Howard (Technicians)

H. D. HOWARD (Company Name or Company Officer)
TANK TEST NG (Company Name or Company Officer)
P. O. BOX 3613 (Address)
GRANADA HILLS, CA 91344

H.D. Howard (Signature)

SSM 4367

NDE TECHNOLOGY, INC.

**** CERTIFICATE OF UNDERGROUND STORAGE TANK INTEGRITY ****

PRECISION VOLUMETRIC QUANTITATIVE LEAK TEST

The following underground storage tank systems have been tested and are certified within the allowable limit of NFPA Title 329 at the tested level.

List of Certified Tank Systems:

STATION NUMBER	TANK NUMBER	TANK CAPACITY	TANK CONTENTS
UNOCAL 4357	10K UNL 87	10000	REGULAR UNLEADED (87 OCTANE)
UNOCAL 4357	10K SUP 92	10000	SUPER UNLEADED (92 OCTANE)
UNOCAL 4357	10K DIESEL	10000	DIESEL FUEL
UNOCAL 4357	WASTE OIL	550	WASTE OIL

TANK LOCATION: UNOCAL SERVICE STATION 4357
11280 NATIONAL BOULEVARD
LOS ANGELES, CA 90064

TANK OWNER: UNOCAL CORPORATION

NDE TECHNOLOGY, INC. is authorized to test and certify these tanks by the: CITY OF LOS ANGELES, STATE OF CALIFORNIA.

This CERTIFICATION meets the requirements of State Regulations and Guidelines based on National Fire Protection Association NFPA Title 329. This certification meets or exceeds certification standards set by the Federal, State, and Local jurisdictional agencies.

Certification Date : 02/23/89
Certification No. : NDE-CT-02/23/89
Certified Tester : HENSLEY BARBOUR (TEST TECHNICIAN)
Recertification Date Recommended : 02/23/1990

Certification Signature:

DAISY E. MOSBY
DIRECTOR OF OPERATIONS

NDE TECHNOLOGY, INC.

**** CERTIFICATE OF UNDERGROUND STORAGE TANK INTEGRITY ****

PRECISION VOLUMETRIC QUANTITATIVE LEAK TEST

The following underground storage tank system has been tested and is certified within the allowable limit of NFPA Title 329 at:
FOUR INCHES ABOVE TANK TOP.

STATION NUMBER	TANK NUMBER	TANK CAPACITY	TANK CONTENTS
UNOCAL 4357	10K UNL 87	10000	REGULAR UNLEADED (87 OCTANE)

TANK LOCATION: UNOCAL SERVICE STATION 4357
11280 NATIONAL BOULEVARD
LOS ANGELES, CA 90064

TANK OWNER: UNOCAL CORPORATION

NDE TECHNOLOGY, INC. is authorized to test and certify this tank by the: CITY OF LOS ANGELES, STATE OF CALIFORNIA.

This CERTIFICATION meets the requirements of State Regulations and Guidelines based on National Fire Protection Association NFPA Title 329. This certification meets or exceeds certification standards set by the Federal, State, and Local jurisdictional agencies.

Certification Date : 02/23/89
Certification No. : NDE-CT-02/23/89
Certified Tester : HENSLEY BARBOUR (TEST TECHNICIAN)
Recertification Date Recommended : 02/23/1990

Certification Signature:

DAISY E. MOSBY
DIRECTOR OF OPERATIONS

NDE TECHNOLOGY, INC. PROPRIETARY

NDE TECHNOLOGY, INC. 2909 OREGON CT., B-1 TORRANCE, CA 90503 (213) 212-5244

CAPACITY 10000 GAL
STAT # UNOCAL 4357
TANK # 10K UNL 87
TEST DATE: 02/23/89

PRECISION UNDERGROUND TANK TESTING RESULT Patent Pending
SHORT REPORT FORM
PAGE 1

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1.	Owner of storage tanks	UNOCAL CORPORATION
	Company Representative	JIM SCOTT
	Title	MAINTENANCE ENGINEER
2.	Mailing address of owner	3701 WILSHIRE BOULEVARD, SUITE 800 LOS ANGELES, CA 90010
3.	Phone of owner	(213) 977-7443
4.	Station number	UNOCAL 4357
5.	Location name for tanks	UNOCAL SERVICE STATION 4357
	Location address for tanks	11280 NATIONAL BOULEVARD LOS ANGELES, CA 90064
	Location phone number	(213) 478-2197
	Operator of location	UNOCAL CORPORATION
6.	Regulatory Agency	CITY OF LOS ANGELES, STATE OF CALIFORNIA
7.	Tank designation or ID #	10K UNL 87
8.	Date tank was tested	02/23/89
9.	Precision test performed	NDE VPLT COMPUTERIZED TANK LEAK TESTING SYSTEM
	Name of testing company	NDE TECHNOLOGY, INC.
	Mailing address of testing company	2909 OREGON CT., B-1 TORRANCE, CA 90503
	Testing company telephone	(213) 212-5244
10.	Technician conducting test	HENSLEY BARBOUR : Hensley Barbour
	Reviewed by	KEN HILLARY : Ken Hillary
11.	Capacity of tank	10000 Gallons
12.	Tank construction material	UNKNOWN
13.	Testing liquid	REGULAR UNLEADED (87 OCTANE)

14. A test was performed at FOUR INCHES ABOVE TANK TOP.
The system passed with the leak rate shown below.
A PRESSURE TEST WAS NOT PERFORMED ON THE PRODUCT LINE DUE TO THE LOSS OF POWER (SEVERAL TIMES).

Allowable leak resolution of instrumentation or allowable change is in accordance with Regulations and Guidelines based on National Fire Protection Association NFPA Title 329.

MEASURED NUMERICAL LEAKAGE RATE IS: (+) 0.023 GALLONS PER HOUR LOSS (+) or GAIN (-).

This measurement is within the allowable limits established in NFPA 329 for a tight tank or tank system.

NDE TECHNOLOGY, INC. PROPRIETARY

CAPACITY 10000 GAL
STAT # UNOCAL 4357
TANK # 10K UNL 87
TEST DATE: 02/23/89

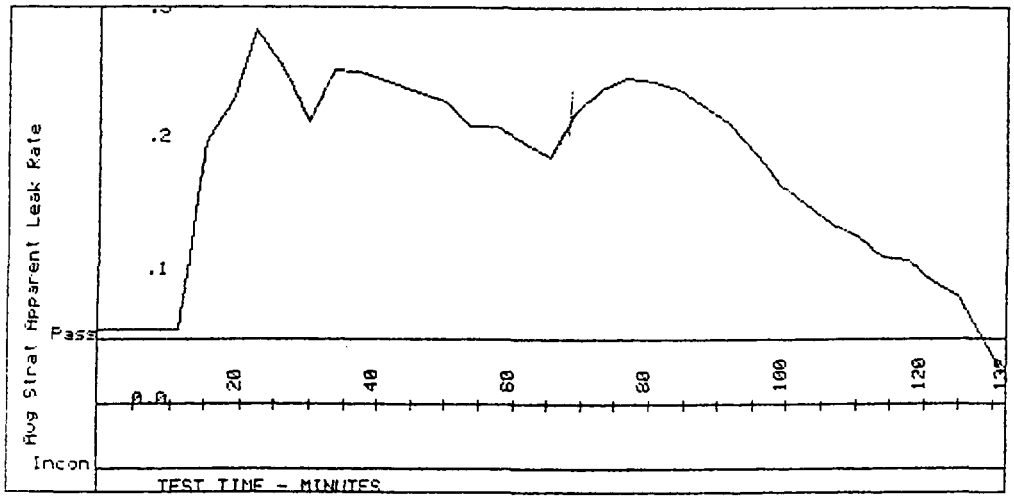
PRECISION UNDERGROUND TANK TESTING RESULT Patent Pending
SHORT REPORT FORM
PAGE 2

PRINTOUT OF TANK SYSTEM LEAKAGE RATE DATA

Tank Owner - UNOCAL #4357 (LOS ANGELES)
Tank Number - 10K UNL
Measurement # 31
Date of Test = 02/23/1989

Time of measurement	=	20:38:01	
Tank Temperature	=	69.9899	Degrees F.
Tank Pressure	=	0.6023	PSI
Basic Tank Volume **********	=	9951.501	Gallons
Temperature Correction ********	=	61.171	Gallons
Pressure Correction **********	=	0.032	Gallons
Corrected Volume **********	=	10012.704	Gallons
Leak Rate Calculation Time	=	01:02:22	
Geometry Band	=	-0.008	Gallons/Hour
Total Fluid Level	=	96.9488	Inches
Volume Change	=	-0.408	Gallons
Expected Level Change	=	-0.0907	Inches
Avg Strat Volume Change *******	=	-0.369	Gallons
Avg Strat Expected Level Change	=	-0.0819	Inches
Avg Strat Apparent Leak *******	=	0.023	Gallons
Avg Strat Apparent Leak Rate **	=	0.023	Gallons/Hour

COMPUTERIZED PLOT OF LEAKAGE RATE DATA



NDE TECHNOLOGY, INC. PROPRIETARY

NDE TECHNOLOGY, INC.

**** CERTIFICATE OF UNDERGROUND STORAGE TANK INTEGRITY ****

PRECISION VOLUMETRIC QUANTITATIVE LEAK TEST

The following underground storage tank system has been tested and is certified within the allowable limit of NFPA Title 329 at:
FOUR INCHES ABOVE TANK TOP.

STATION NUMBER	TANK NUMBER	TANK CAPACITY	TANK CONTENTS
UNOCAL 4357	10K SUP 92	10000	SUPER UNLEADED (92 OCTANE)

TANK LOCATION: UNOCAL SERVICE STATION 4357
11280 NATIONAL BOULEVARD
LOS ANGELES, CA 90064

TANK OWNER: UNOCAL CORPORATION

NDE TECHNOLOGY, INC. is authorized to test and certify this tank by the: CITY OF LOS ANGELES, STATE OF CALIFORNIA.

This CERTIFICATION meets the requirements of State Regulations and Guidelines based on National Fire Protection Association NFPA Title 329. This certification meets or exceeds certification standards set by the Federal, State, and Local jurisdictional agencies.

Certification Date : 02/23/89
Certification No. : NDE-CT-02/23/89
Certified Tester : HENSLEY BARBOUR (TEST TECHNICIAN)
Recertification Date Recommended : 02/23/1990

Certification Signature:

DAISY E. MOSBY
DIRECTOR OF OPERATIONS

CAPACITY 10000 GAL
STAT # UNOCAL 4357
TANK # 10K SUP 92
TEST DATE: 02/23/89

PRECISION UNDERGROUND TANK TESTING RESULT Patent Pending
SHORT REPORT FORM
PAGE 1

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1.	Owner of storage tanks	UNOCAL CORPORATION
	Company Representative	JIM SCOTT
	Title	MAINTENANCE ENGINEER
2.	Mailing address of owner	3701 WILSHIRE BOULEVARD, SUITE 800 LOS ANGELES, CA 90010
3.	Phone of owner	(213) 977-7443
4.	Station number	UNOCAL 4357
5.	Location name for tanks	UNOCAL SERVICE STATION 4357
	Location address for tanks	11280 NATIONAL BOULEVARD LOS ANGELES, CA 90064
	Location phone number	(213) 478-2197
	Operator of location	UNOCAL CORPORATION
6.	Regulatory Agency	CITY OF LOS ANGELES, STATE OF CALIFORNIA
7.	Tank designation or ID #	10K SUP 92
8.	Date tank was tested	02/23/89
9.	Precision test performed	NDE VPLT COMPUTERIZED TANK LEAK TESTING SYSTEM
	Name of testing company	NDE TECHNOLOGY, INC.
	Mailing address of testing company	2909 OREGON CT., B-1 TORRANCE, CA 90503
	Testing company telephone	(213) 212-5244
10.	Technician conducting test	HENSLEY BARBOUR : Hensley Barbour
	Reviewed by	KEN HILLARY : Ken Hillary
11.	Capacity of tank	10000 Gallons
12.	Tank construction material	UNKNOWN
13.	Testing liquid	SUPER UNLEADED (92 OCTANE)

14. A test was performed at FOUR INCHES ABOVE TANK TOP.
The system passed with the leak rate shown below.
A PRESSURE TEST WAS NOT PERFORMED ON THE PRODUCT LINE DUE TO THE LOSS OF POWER (SEVERAL TIMES).

Allowable leak resolution of instrumentation or allowable change is in accordance with Regulations and Guidelines based on National Fire Protection Association NFPA Title 329.

MEASURED NUMERICAL LEAKAGE RATE IS: (+) 0.012 GALLONS PER HOUR LOSS (+) or GAIN (-).

This measurement is within the allowable limits established in NFPA 329 for a tight tank or tank system.

NDE TECHNOLOGY, INC. PROPRIETARY

CAPACITY 10000 GAL
STAT # UNOCAL 4357
TANK # 10K SUP 92
TEST DATE: 02/23/89

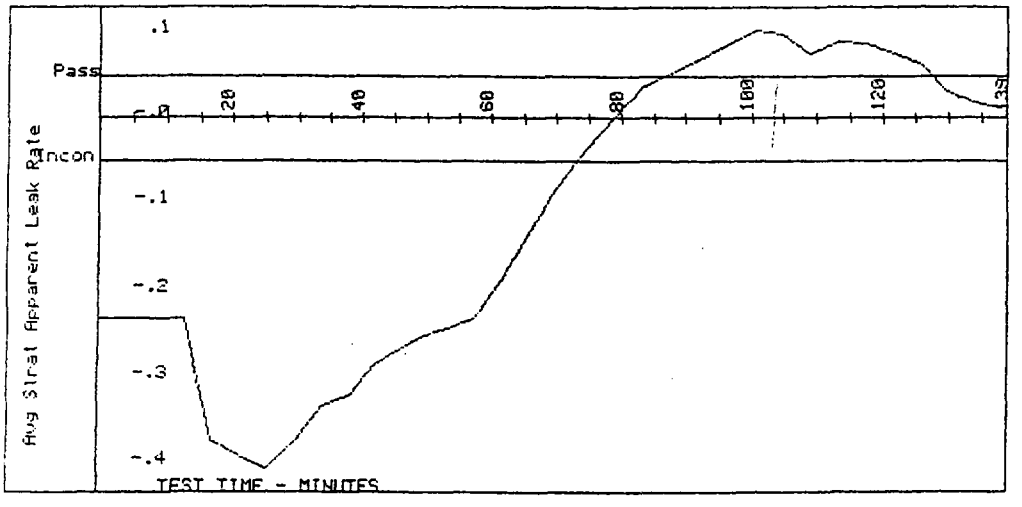
PRECISION UNDERGROUND TANK TESTING RESULT Patent Pending
SHORT REPORT FORM
PAGE 2

PRINTOUT OF TANK SYSTEM LEAKAGE RATE DATA

Tank Owner - UNOCAL #4357 (LOS ANGELES)
Tank Number - 10K UNL
Measurement # 30
Date of Test = 02/23/1989

Time of measurement ..... =	02:36:27	
Tank Temperature ..... =	70.8240	Degrees F.
Tank Pressure ..... =	0.5876	PSI
Basic Tank Volume ********** =	9953.159	Gallons
Temperature Correction ******** =	71.317	Gallons
Pressure Correction ********** =	0.031	Gallons
Corrected Volume ********** =	10024.507	Gallons
Leak Rate Calculation Time .... =	01:03:39	
Geometry Band ..... =	-0.008	Gallons/Hour
Total Fluid Level ..... =	97.9771	Inches
Volume Change ..... =	-0.428	Gallons
Expected Level Change ..... =	-0.0210	Inches
Avg Strat Volume Change ******* =	-0.429	Gallons
Avg Strat Expected Level Change =	-0.0211	Inches
Avg Strat Apparent Leak ******* =	0.013	Gallons
Avg Strat Apparent Leak Rate ** =	0.012	Gallons/Hour

COMPUTERIZED PLOT OF LEAKAGE RATE DATA



NDE TECHNOLOGY, INC. PROPRIETARY

NDE TECHNOLOGY, INC. 2909 OREGON CT., B-1 TORRANCE, CA 90503 (213) 212-5244

NDE TECHNOLOGY, INC.

**** CERTIFICATE OF UNDERGROUND STORAGE TANK INTEGRITY ****

PRECISION VOLUMETRIC QUANTITATIVE LEAK TEST

The following underground storage tank system has been tested and is certified within the allowable limit of NFPA Title 329 at:
FOUR INCHES ABOVE TANK TOP.

STATION NUMBER	TANK NUMBER	TANK CAPACITY	TANK CONTENTS
UNOCAL 4357	10K DIESEL	10000	DIESEL FUEL

TANK LOCATION: UNOCAL SERVICE STATION 4357
11280 NATIONAL BOULEVARD
LOS ANGELES, CA 90064

TANK OWNER: UNOCAL CORPORATION

NDE TECHNOLOGY, INC. is authorized to test and certify this tank by the: CITY OF LOS ANGELES, STATE OF CALIFORNIA.

This CERTIFICATION meets the requirements of State Regulations and Guidelines based on National Fire Protection Association NFPA Title 329. This certification meets or exceeds certification standards set by the Federal, State, and Local jurisdictional agencies.

Certification Date : 02/23/89
Certification No. : NDE-CT-02/23/89
Certified Tester : HENSLEY BARBOUR (TEST TECHNICIAN)
Recertification Date Recommended : 02/23/1990

Certification Signature:

DAISY E. MOSBY
DIRECTOR OF OPERATIONS

CAPACITY 10000 GAL
STAT # UNOCAL 4357
TANK # 10K DIESEL
TEST DATE: 02/23/89

PRECISION UNDERGROUND TANK TESTING RESULT Patent Pending
SHORT REPORT FORM
©Copyright 1985,1988

1.	Owner of storage tanks	UNOCAL CORPORATION
	Company Representative	JIM SCOTT
	Title	MAINTENANCE ENGINEER
2.	Mailing address of owner	3701 WILSHIRE BOULEVARD, SUITE 800 LOS ANGELES, CA 90010
3.	Phone of owner	(213) 977-7443
4.	Station number	UNOCAL 4357
5.	Location name for tanks	UNOCAL SERVICE STATION 4357
	Location address for tanks	11280 NATIONAL BOULEVARD LOS ANGELES, CA 90064
	Location phone number	(213) 478-2197
	Operator of location	UNOCAL CORPORATION
6.	Regulatory Agency	CITY OF LOS ANGELES, STATE OF CALIFORNIA
7.	Tank designation or ID #	10K DIESEL
8.	Date tank was tested	02/23/89
9.	Precision test performed	NDE VPLT COMPUTERIZED TANK LEAK TESTING SYSTEM
	Name of testing company	NDE TECHNOLOGY, INC.
	Mailing address of testing company	2909 OREGON CT., B-1 TORRANCE, CA 90503
	Testing company telephone	(213) 212-5244
10.	Technician conducting test	HENSLEY BARBOUR : Hensley Barbour
	Reviewed by	KEN HILLARY : Ken Hillary
11.	Capacity of tank	10000 Gallons
12.	Tank construction material	UNKNOWN
13.	Testing liquid	DIESEL FUEL

14. A test was performed at FOUR INCHES ABOVE TANK TOP.
The system passed with the leak rate shown below.
A PRESSURE TEST ON THE PRODUCT LINE WAS NOT PERFORMED DUE TO THE LOSS OF POWER (SEVERAL TIMES)

Allowable leak resolution of instrumentation or allowable change is in accordance with Regulations and Guidelines based on National Fire Protection Association NFPA Title 329.

MEASURED NUMERICAL LEAKAGE RATE IS: (-) 0.017 GALLONS PER HOUR LOSS (+) or GAIN (-).

This measurement is within the allowable limits established in NFPA 329 for a tight tank or tank system.

NDE TECHNOLOGY, INC. PROPRIETARY

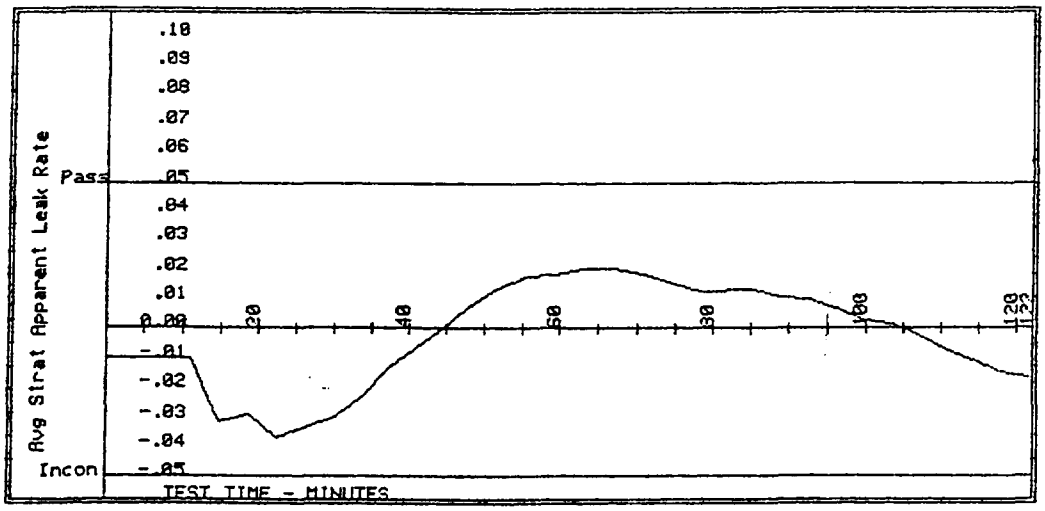
CAPACITY 10000 GAL
STAT # UNOCAL 4357
TANK # 10K DIESEL
TEST DATE: 02/23/89

PRECISION UNDERGROUND TANK TESTING RESULT Patent Pending
SHORT REPORT FORM
PAGE 2

PRINTOUT OF TANK SYSTEM LEAKAGE RATE DATA

Tank Owner	=	UNOCAL #4357 (LOS ANGELES)
Tank Number	=	10K DIESEL
Measurement #	=	31
Date of Test	=	02/23/1989
Time of Last Measurement	=	16:17:52
Tank Temperature	=	66.727 Degrees F.
Tank Pressure	=	.597 PSI
Basic Tank Volume **********	=	9950.098 Gallons
Temperature Correction ********	=	30.646 Gallons
Pressure Correction **********	=	.028 Gallons
Corrected Volume **********	=	9980.772 Gallons
Leak Rate Calculation Time	=	01:02:19
Geometry Band	=	0.000 Gallons/Hour
Total Fluid Level	=	94.124 Inches
Avg Measured Level Change	=	.130 Inches
Avg Strat Volume Change *******	=	.021 Gallons
Avg Strat Expected Level Change	=	.072 Inches
Avg Strat Apparent Leak *******	=	-.017 Gallons
Avg Strat Apparent Leak Rate **	=	-.017 Gallons/Hour

COMPUTERIZED PLOT OF LEAKAGE RATE DATA



NOE TECHNOLOGY, INC. PROPRIETARY

NDE TECHNOLOGY, INC.

**** CERTIFICATE OF UNDERGROUND STORAGE TANK INTEGRITY ****

PRECISION VOLUMETRIC QUANTITATIVE LEAK TEST

The following underground storage tank system has been tested and is certified within the allowable limit of NFPA Title 329 at: THIRTY-TWO INCHES ABOVE TANK TOP.

STATION NUMBER	TANK NUMBER	TANK CAPACITY	TANK CONTENTS
UNOCAL 4357	WASTE OIL	550	WASTE OIL

TANK LOCATION: UNOCAL SERVICE STATION 4357
11280 NATIONAL BOULEVARD
LOS ANGELES, CA 90064

TANK OWNER: UNOCAL CORPORATION

NDE TECHNOLOGY, INC. is authorized to test and certify this tank by the: CITY OF LOS ANGELES, STATE OF CALIFORNIA.

This CERTIFICATION meets the requirements of State Regulations and Guidelines based on National Fire Protection Association NFPA Title 329. This certification meets or exceeds certification standards set by the Federal, State, and Local jurisdictional agencies.

Certification Date : 02/23/89
Certification No. : NDE-CT-02/23/89
Certified Tester : HENSLEY BARBOUR (TEST TECHNICIAN)
Recertification Date Recommended : 02/23/1990

Certification Signature:

DAISY E. MOSBY
DIRECTOR OF OPERATIONS

CAPACITY 550 GAL
STAT # UNOCAL 4357
TANK # WASTE OIL
TEST DATE: 02/23/89

PRECISION UNDERGROUND TANK TESTING RESULT Patent Pending
SHORT REPORT FORM ©Copyright 1985,1988
PAGE 1

1.	Owner of storage tanks	UNOCAL CORPORATION
	Company Representative	JIM SCOTT
	Title	MAINTENANCE ENGINEER
2.	Mailing address of owner	3701 WILSHIRE BOULEVARD, SUITE 800 LOS ANGELES, CA 90010
3.	Phone of owner	(213) 977-7443
4.	Station number	UNOCAL 4357
5.	Location name for tanks	UNOCAL SERVICE STATION 4357
	Location address for tanks	11280 NATIONAL BOULEVARD LOS ANGELES, CA 90064
	Location phone number	(213) 478-2197
	Operator of location	UNOCAL CORPORATION
6.	Regulatory Agency	CITY OF LOS ANGELES, STATE OF CALIFORNIA
7.	Tank designation or ID #	WASTE OIL
8.	Date tank was tested	02/23/89
9.	Precision test performed	NDE VPLT COMPUTERIZED TANK LEAK TESTING SYSTEM
	Name of testing company	NDE TECHNOLOGY, INC.
	Mailing address of testing company	2909 OREGON CT., B-1 TORRANCE, CA 90503
	Testing company telephone	(213) 212-5244
10.	Technician conducting test	HENSLEY BARBOUR : Hensley Barbour ©
	Reviewed by	KEN HILLARY : Ken Hillary
11.	Capacity of tank	550 Gallons
12.	Tank construction material	UNKNOWN
13.	Testing liquid	WASTE OIL

14. A test was performed at THIRTY-TWO INCHES ABOVE TANK TOP.
The system passed with the leak rate shown below.

Allowable leak resolution of instrumentation or allowable change is in accordance with Regulations and Guidelines based on National Fire Protection Association NFPA Title 329.

MEASURED NUMERICAL LEAKAGE RATE IS: (-) 0.001 GALLONS PER HOUR LOSS (+) or GAIN (-).

This measurement is within the allowable limits established in NFPA 329 for a tight tank or tank system.

NDE TECHNOLOGY, INC. PROPRIETARY

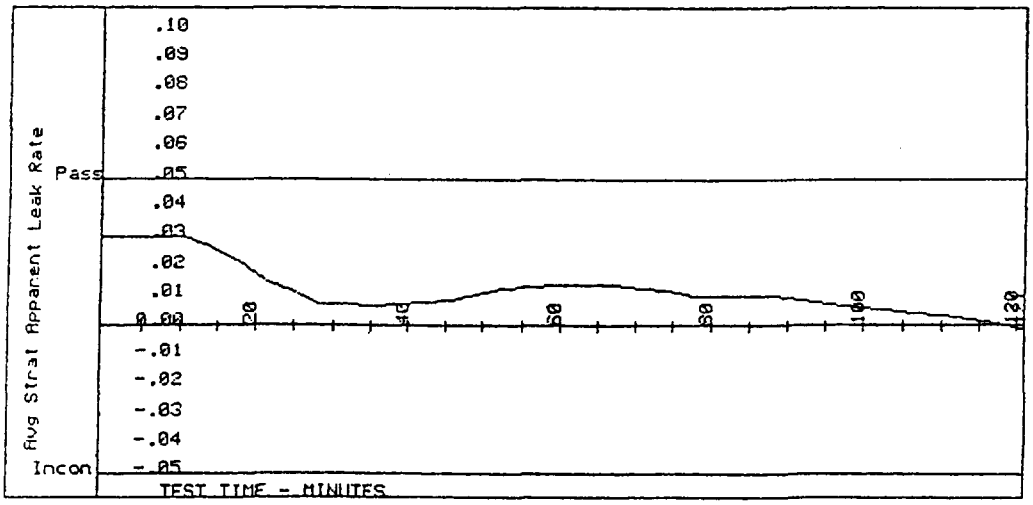
CAPACITY 550 GAL
STAT # UNOCAL 4357
TANK # WASTE OIL
TEST DATE: 02/23/89

PRECISION UNDERGROUND TANK TESTING RESULT Patent Pending
SHORT REPORT FORM
PAGE 2

PRINTOUT OF TANK SYSTEM LEAKAGE RATE DATA

Tank Owner	= UNOCAL #4357 (LOS ANGELES)	
Tank Number	= 550 WASTE OIL	
Measurement #	30	
Date of Test	02/23/1989	
Time of measurement	= 12:39:42	
Tank Temperature	= 69.4763	degrees F.
Tank Pressure	= .5071	psi.
Basic Tank Volume **********	= 550.258	Gallons.
Temperature Correction ********	= 2.202	Gallons.
Pressure Correction **********	= .001	Gallons.
Corrected Volume **********	= 552.461	Gallons.
Leak Rate Calculation Time.....	= 01:00:57	
Geometry Band	= -.0002	Gallons/Hour.
Rate of Temperature Change	= -.04086	degrees F/Hour.
Volume Change	= -.010	Gallons.
Expected Level Change	= -.18392	inches.
Measured Level Change *********	= -.07326	inches.
Primary Apparent Leak *********	= -.0060	Gallons.
Primary Apparent Leak Rate ****	= -.006	Gallons/Hour.
Avg Strat Expected Level Change	= -.09538	inches.
Avg Strat Apparent Leak *******	= -.0009	Gallons.
Avg Strat Apparent Leak Rate **	= -.001	Gallons/Hour.

COMPUTERIZED PLOT OF LEAKAGE RATE DATA



NOE TECHNOLOGY, INC. PROPRIETARY

ENV. PKG 4357

NDE ENVIRONMENTAL CORPORATION

****** UNDERGROUND STORAGE TANK TEST SUMMARY ******
PRECISION VOLUMETRIC QUANTITATIVE LEAK TEST

To: **UNOCAL CORPORATION** 09/26/91

TANK LOCATION: **UNOCAL SERVICE STATION 4357**
11280 NATIONAL BOULEVARD
LOS ANGELES, CA 90064

Attention: **DENNIS CARLSON**

The underground storage tank system(s) at the referenced location has (have) been tested on the dates indicated with the results indicated in the following tables:

TANK TEST RESULTS

TANK ID	TANK CAP gallons	TANK CONTENTS	DATE	PASS FAIL	LEAK RATE-gph	TEST LEVEL
10K UNL 87	9943.0	UNLEADED 87	09/26/91	PASS	0.0080	Full Sys
10K SUP 92	9943.0	S/UNLEADED 92	09/26/91	PASS	-0.0260	Full Sys
550 WASTE/OIL	550.0	WASTE/OIL	09/26/91	PASS	0.0020	Full Sys

PRODUCT LINE PRESSURE TEST RESULTS

TANK ID	TANK CAP gallons	TANK CONTENTS	DATE	PASS FAIL	LEAK RATE-gph
10K UNL 87	9943.0	UNLEADED 87	09/26/91	PASS	0.0000
10K SUP 92	9943.0	S/UNLEADED 92	09/26/91	PASS	0.0000

The leak detectors **WERE** inspected.
The leak detectors **WERE** found to be operational.

NDE ENVIRONMENTAL CORPORATION is authorized to test and certify tanks by the: **STATE OF CALIFORNIA.**
These results were effective on the date of test.

Certification Signature:

CHARLES YARN
1047

NDE ENVIRONMENTAL CORPORATION (PROPRIETARY)
System Accuracy (Standard Tank): 0.05gph =Pd>0.95/Pfa<0.05; 0.10gph = Pd>0.99/Pfa<0.01
NDE ENVIRONMENTAL CORPORATION 20000 Mariner Ave, Suite 500 Torrance, California 90503 (213)542-4342

NDE ENVIRONMENTAL CORPORATION

****** CERTIFICATE OF UNDERGROUND STORAGE TANK INTEGRITY ******

PRECISION VOLUMETRIC QUANTITATIVE LEAK TEST

The following underground storage tank system has been tested and is certified TIGHT at: **FULL/SYSTEM**

STATION NUMBER	TANK NUMBER	TANK CONTENTS	TANK CAPACITY
UNOCAL #4357	**10K UNL 87**	**GASOLINE UNLEADED**	**9943.000**

TANK LOCATION: **UNOCAL SERVICE STATION 4357**
11280 NATIONAL BOULEVARD
LOS ANGELES, CA 90064

TANK OWNER: **UNOCAL CORPORATION**

NDE ENVIRONMENTAL CORPORATION is authorized to test and certify this tank by the: **STATE OF CALIFORNIA**

This CERTIFICATION meets the requirement of State Regulations and Guidelines based on National Fire Protection Association NFPA Title 329. This certification meets or exceeds certification standards set by the Federal, State, and Local jurisdictional agencies.

Certification Date : 09/26/1991
Test Results Certified by : **CHARLES YARN** (1047)
Recertification Date Recommended : 09/26/1992

Certification Signature:

Charles Yarn

CHARLES YARN
1047

CAPACITY 9943 Gal **PRECISION UNDERGROUND TANK TESTING RESULT** Patent Pending
STAT # **UNOCAL #4357** SUMMARY REPORT FORM @Copyright 1985-1991
TANK # **10K UNL 87** WORK ORDER
TEST DATE: **Sep 26, 1991** PAGE 1

1.	Owner of Storage Tanks	**UNOCAL CORPORATION**
	Company Representative	**DENNIS CARLSON**
	Title	**TANK TEST COORDINATOR**
2.	Mailing Address of Owner	**17700 CASTLETON ST., SUITE 500 CITY OF INDUSTRY, CA 91748**
3.	Phone of Owner	**(818) 854-7042**
4.	Station Number	**UNOCAL #4357**
5.	Location Name for Tanks	**UNOCAL SERVICE STATION 4357**
	Location Address for Tanks	**11280 NATIONAL BOULEVARD LOS ANGELES, CA 90064**
	Location phone number	**(213) 478-2197**
	Location operator	**UNOCAL CORPORATION**
6.	Regulatory Agency	**STATE OF CALIFORNIA**
7.	Tank designation or ID #	**10K UNL 87**
8.	Date tank was tested	**Sep 26, 1991**
9.	Precision Test Performed	**NDE VPLT COMPUTERIZED TANK LEAK TESTING SYSTEM**
	Name of Testing Company	**NDE ENVIRONMENTAL CORPORATION**
	Mailing Address of Testing Company	**20000 Mariner Ave, Suite 500 Torrance, California 90503**
	Phone of Testing Company	**(213)542-4342**
10.	Technician Conducting Test	**CHARLES YARN** : Charles Yarn
	Test Certified by	**CHARLES YARN** : Charles Yarn
	License Number	**1047**
11.	Tank Capacity	**9943** Gallons
12.	Tank Construction Material	**STEEL**
13.	Testing Liquid	**GASOLINE UNLEADED**

14. The test was performed at **FULL/SYSTEM.**
The system **PASSED** with a leak rate of 0.008 Gallons/Hour.
Allowable leak resolution of instrumentation or allowable change is in accordance with regulations and guidelines based on National Fire Protection Association NFPA Title 329.

15. Product Line Pressure Test **was** performed.
Product Line Pressure Test **passed.**

16. Leak Detector Inspection **was** performed.
The Leak Detectors were found to be **operational.**

17. Additional Information regarding this test:

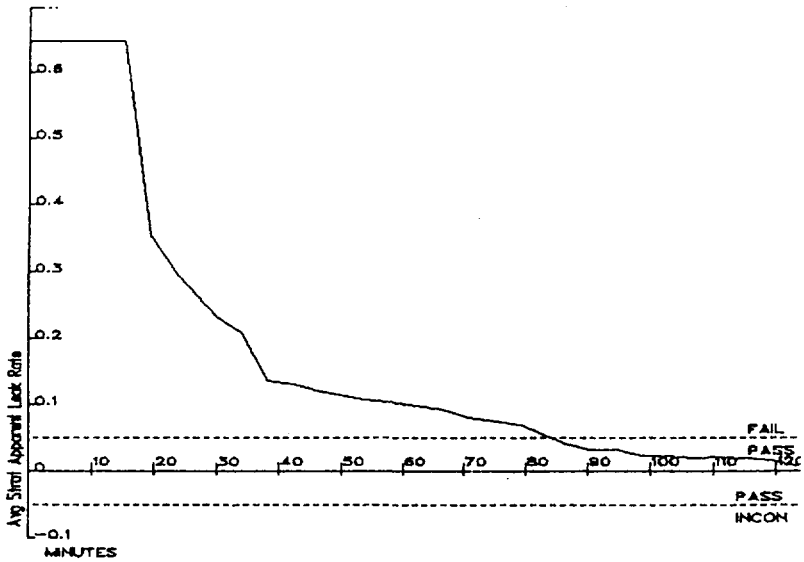
CAPACITY 9943 Gal **PRECISION UNDERGROUND TANK TESTING RESULT** Patent Pending
STAT # **UNOCAL #4357** SUMMARY REPORT FORM @Copyright 1985-1991
TANK # **10K UNL 87** WORK ORDER
TEST DATE: **Sep 26, 1991** PAGE 2

PRINTOUT OF TANK SYSTEM LEAKAGE RATE DATA

Tank Owner ..... = **UNOCAL CORPORATION**
Tank Number ..... = **10K UNL 87**
Measurement # **26**
Test Date = **Sep 26, 1991** Measurement Time = **14:25**

Tank Temperature	=	83.8727	degrees F
Tank Pressure	=	0.0000	psi
Basic Test Volume **********	=	9959.542	Gallons
Temperature Correction ********	=	161.677	Gallons
Pressure Correction **********	=	0.000	Gallons
Corrected Volume **********	=	10121.219	Gallons
Stratified Corrected Volume ***	=	10121.133	Gallons
Total Fluid Level	=	135.6606	inches
Fluid Pressure on Tank Bottom	=	3.5290	psi
Leak Rate Calculation Time.....	=	01:05:44	
Geometry Band	=	0.00259	Gallons/Hour
Avg Measured Level Change	=	0.40864	Inches
Avg Strat Volume Change *******	=	0.17782	Gallons
Avg Strat Expected Level Change	=	0.42998	Inches
Avg Strat Apparent Leak *******	=	0.00883	Gallons
Avg Strat Apparent Leak Rate **	=	0.00761	Gallons/Hour

COMPUTERIZED PLOT OF LEAKAGE RATE DATA



NDE ENVIRONMENTAL CORPORATION (PROPRIETARY)
System Accuracy (Standard Tank): 0.05gph =Pd>0.95/Pfa<0.05; 0.10gph = Pd>0.99/Pfa<0.01
NDE ENVIRONMENTAL CORPORATION 20000 Mariner Ave, Suite 500 Torrance, California 90503 (213)542-4342

NDE ENVIRONMENTAL CORPORATION

****** CERTIFICATE OF UNDERGROUND STORAGE TANK INTEGRITY ******

PRECISION VOLUMETRIC QUANTITATIVE LEAK TEST

The following underground storage tank system has been tested and is certified TIGHT at: **FULL/SYSTEM**

STATION NUMBER	TANK NUMBER	TANK CONTENTS	TANK CAPACITY
UNOCAL #4357	**10K SUP 92**	**SUPER UNLEADED**	**9943.000**

TANK LOCATION: **UNOCAL SERVICE STATION 4357**
11280 NATIONAL BOULEVARD
LOS ANGELES, CA 90064

TANK OWNER: **UNOCAL CORPORATION**

NDE ENVIRONMENTAL CORPORATION is authorized to test and certify this tank by the: **STATE OF CALIFORNIA**

This CERTIFICATION meets the requirement of State Regulations and Guidelines based on National Fire Protection Association NFPA Title 329. This certification meets or exceeds certification standards set by the Federal, State, and Local jurisdictional agencies.

Certification Date : **09/26/1991**
Test Results Certified by : **CHARLES YARN** (1047)
Recertification Date Recommended : **09/26/1992**

Certification Signature:

Charles Yarn

CHARLES YARN
1047

CAPACITY 9943 Gal **PRECISION UNDERGROUND TANK TESTING RESULT** Patent Pending
STAT # **UNOCAL #4357** SUMMARY REPORT FORM @Copyright 1985-1991
TANK # **10K SUP 92** WORK ORDER
TEST DATE: **Sep 26, 1991** PAGE 1

1.	Owner of Storage Tanks	**UNOCAL CORPORATION**
	Company Representative	**DENNIS CARLSON**
	Title	**TANK TEST COORDINATOR**
2.	Mailing Address of Owner	**17700 CASTLETON ST., SUITE 500 CITY OF INDUSTRY, CA 91748**
3.	Phone of Owner	**(818) 854-7042**
4.	Station Number	**UNOCAL #4357**
5.	Location Name for Tanks	**UNOCAL SERVICE STATION 4357**
	Location Address for Tanks	**11280 NATIONAL BOULEVARD LOS ANGELES, CA 90064**
	Location phone number	**(213) 478-2197**
	Location operator	**UNOCAL CORPORATIION**
6.	Regulatory Agency	**STATE OF CALIFORNIA**
7.	Tank designation or ID #	**10K SUP 92**
8.	Date tank was tested	**Sep 26, 1991**
9.	Precision Test Performed	**NDE VPLT COMPUTERIZED TANK LEAK TESTING SYSTEM**
	Name of Testing Company	**NDE ENVIRONMENTAL CORPORATION**
	Mailing Address of Testing Company	**20000 Mariner Ave, Suite 500 Torrance, California 90503**
	Phone of Testing Company	**(213)542-4342**
10.	Technician Conducting Test	**CHARLES YARN** : Charles Yarn
	Test Certified by	**CHARLES YARN** : Charles Yarn
	License Number	**1047**
11.	Tank Capacity	**9943** Gallons
12.	Tank Construction Material	**STEEL**
13.	Testing Liquid	**SUPER UNLEADED**

14. The test was performed at **FULL/SYSTEM.**
The system **PASSED** with a leak rate of -0.026 Gallons/Hour.
Allowable leak resolution of instrumentation or allowable change is in accordance with regulations and guidelines based on National Fire Protection Association NFPA Title 329.

15. Product Line Pressure Test **was** performed.
Product Line Pressure Test **passed.**

16. Leak Detector Inspection **was** performed.
The Leak Detectors were found to be **operational.**

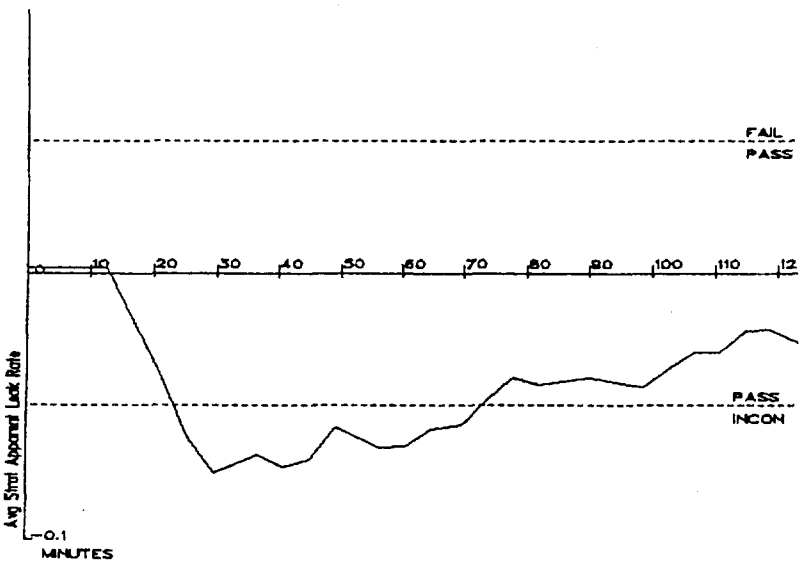
17. Additional Information regarding this test:

CAPACITY 9943 Gal **PRECISION UNDERGROUND TANK TESTING RESULT** Patent Pending
STAT # **UNOCAL #4357** SUMMARY REPORT FORM @Copyright 1985-1991
TANK # **10K SUP 92** WORK ORDER
TEST DATE: **Sep 26, 1991**

PRINTOUT OF TANK SYSTEM LEAKAGE RATE DATA

Tank Owner ..... = **UNOCAL CORPORATION**
Tank Number ..... = **10K SUP 92**
Measurement # **26**
Test Date = **Sep 26, 1991** Measurement Time = **14:55**
Tank Temperature ..... = **85.2773** degrees F
Tank Pressure ..... = **-0.0000** psi
Basic Test Volume ********** = **9959.695** Gallons
Temperature Correction ******** = **175.221** Gallons
Pressure Correction ********** = **-0.000** Gallons
Corrected Volume ********** = **10134.916** Gallons
Stratified Corrected Volume *** = **10134.791** Gallons
Total Fluid Level ..... = **135.1592** inches
Fluid Pressure on Tank Bottom = **3.5424** psi
Leak Rate Calculation Time..... = **01:13:48**
Geometry Band ..... = **-0.00119** Gallons/Hour
Avg Measured Level Change ..... = **0.04566** Inches
Avg Strat Volume Change ******* = **-0.01450** Gallons
Avg Strat Expected Level Change = **-0.03475** Inches
Avg Strat Apparent Leak ******* = **-0.03356** Gallons
Avg Strat Apparent Leak Rate ** = **-0.02630** Gallons/Hour

COMPUTERIZED PLOT OF LEAKAGE RATE DATA



NDE ENVIRONMENTAL CORPORATION (PROPRIETARY)
System Accuracy (Standard Tank): 0.05gph =Pd>0.95/Pfa<0.05; 0.10gph = Pd>0.99/Pfa<0.01
NDE ENVIRONMENTAL CORPORATION 20000 Mariner Ave, Suite 500 Torrance, California 90503 (213)542-4342

LU CU

#357

TANKNOLOGY CORPORATION INTERNATIONAL

5225 Hollister, Houston, Texas 77040-6294 Phone (800) 868-8583 FAX (713) 690-2255

Certificate of Tightness

Service Order # 57239 Test Date 6/25/92

Underground storage tank system(s) tested and found tight for:

TANK OWNER: UNOCAL #4357

TEST SITE ADDRESS: , 11280 NATIONAL BLVD., LOS ANGELES, CA 90064

[2] TANK(S) ONLY, [2] LINE(S) ONLY, [2] LEAK DETECTOR(S) ONLY.

TANK SIZES & PRODUCTS TESTED

#2 10K RUN #3 10K SUN

LINES TESTED 2A 3A

LEAK DETECTORS TESTED 20788-7009 10690-0322

Unit Mgr. Certificate Number & Name #058, EXPIRES 8/94 TOM LYONS

Valid only with Corporate Seal

U.S. Patent #4462240, Canadian Patent #1155693, European Patent Appl. #168283
TANKNOLOGY & VacuTect are trademarks of TANKNOLOGY CORPORATION INTERNATIONAL

Note: See VacuTect Test Report for tank identification and site location drawing.

98%
818 840 6929
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TANKNOLOGY

TECHNOLOGY FOR TANKS AND THEIR ENVIRONMENT

VacuTect™ TANK TESTING REPORT

S.O. # 57239

CUSTOMER UNOCAL #4357

SITE #

DATE June 25, 1992

INVOICE NAME/ ADDRESS UNOCAL CORP., 911 WILSHIRE BLVD. #1010, LOS ANGELES, CA 90017

PHONE 213-977-5862

SITE NAME/ ADDRESS 11280 NATIONAL BLVD., LOS ANGELES, CA 90064

W/E 92-15835
T/R LOESS FRANK

ATTN: STEPHEN CAMPBELL

TANKS												LINES				Leak Det.		COMMENTS: NOTE ALTERATIONS OR REPAIRS.
Tank #	Tank Product	Tank Dia.	Tank Gallons	Tank Mat'l ■ Steel (S) Fiber-glass (F) Lined	Dipped Water Level ■ START / END	Dipped Product Level ■ START / END	Probe Water Level ■ START / END	Water Ingress Detected ■ YES / NO	Bubble Ingress Detected ■ YES / NO	Ullage Air Ingress Detected ■ YES / NO	Tight (T) or Fail (F)	Line #	Line Mat'l ■ Steel (S) Fiber-Glass (F)	Deliv. Syst. ■ Pressure (P) Suction (S)	Tight (T) or Fail (F)	Exit LD Pass (P) Fail (F) None (N)	New Pre-Tested LD ■ Sold YES / NO	Tanks and Lines Tested to CFR-40 Parts 280-281 and NFPA 329 Spec's. OTHER:
#1	W/O	48	550	ST	0.0 / 1500	14	N/A	NO	YES	NO	F							Exist LD SN: New LD SN: Pump Mfg. TEST PSI -1.20
					0.0 / 1600	14	N/A											
#2	RUN	95	10K	ST	0.0 / 1730	62	.17	NO	NO	NO	T	2A	ST	P	T	P		Exist LD SN: 20788-7009 New LD SN: Pump Mfg. TEST PSI -1.20
					0.0 / 2000	62	.17	0.00	GPH									
#3	SUN	95	10K	ST	0.0 / 1730	65	.17	NO	NO	NO	T	3A	ST	P	T	P		Exist LD SN: 10690-0322 New LD SN: Pump Mfg. TEST PSI -1.10
					0.0 / 2000	65	.17	0.00	GPH									
																		Exist LD SN: New LD SN: Pump Mfg.
																		Exist LD SN: New LD SN: Pump Mfg.
																		Exist LD SN. New LD SN: Pump Mfg.

TANKNOLOGY Regional Office: NORTHWEST

Unit Number 56

NOTE: Original VacuTect Data recordings are reviewed by Tanknology's Audit Control Department and maintained on file.

Tanknology Corporation International
5225 Hollister St., Houston, TX 77040
(800) 888-8563 • FAX (713) 690-2255

07-30-96 10:25AM P011 #42 818 840 6929 R-97%

PEI

Adams Precision Instrumentation, Co.

A.P.I./ROHAN LEAK DETECTION SYSTEMS
2300 EAST ARTESIA BOULEVARD • LONG BEACH, CA 90806
3031 TISCH WAY - SUITE 200 • SAN JOSE, CA 95128
(310) 984-5390 • FAX (310) 984-5390

SERVICE ORDER NUMBER	15503
DATE OF SERVICE	10-21-93
TECHNICIAN	D. PRINGSTON
ARRIVED	1:24 p
DEPARTED	2:45 p

BILL TO	
ADDRESS	
CITY, STATE AND ZIP CODE	
SITE ID NUMBER	UNOCAL # 4357
ADDRESS AND CROSS STREET	11280 NATIONAL BL / SAWTELLE
CITY, STATE AND ZIP CODE	LOS ANGELES CA 90064
P.O. NUMBER	30000 1099
MODEL NUMBER	X76LVC8-0-3(8LS-3)-0
SERIAL NUMBER	8-0401
SITE PHONE #	(213) 478-2197
SERVICE REQUESTED BY/C.O.	UNOCAL
SERVICE REQUESTED	ANNUAL CERTIFICATION

DESCRIPTION OF WORK PERFORMED

PERFORMED ANNUAL CERTIFICATION PROCEDURE ON 3 TANK (TANK - 2 PRODUCT + 1 WO) SYSTEM. MONITORED BY LVC8-0-8LS-3 - SUMPS MONITORING 8 LS, LVC + SENSORS TEST GOOD. CONFIRMED MLD OPERATION + COMPLETED UNOCAL CHECKLIST.

SYSTEM CERTIFIED	SYSTEM PASS	SYSTEM RUNNING	WASTE OIL	SYSTEM SEALED
YES ☑ NO ☐	YES ☐ NO ☑	YES ☑ NO ☐	YES ☐ NO ☑	YES ☑ NO ☐

DEMONSTRATED FOR:

MATERIALS USED QTY	MODEL #	DESCRIPTION	UNIT PRICE	TOTAL
		PSD inst. 10-29-93 WO 29303458		

HOURS-MILEAGE		RATE	AMOUNT
LABOR	2		
TRAVEL	45 min		
MILES	32	1.95	

SUB-TOTAL	
TAX	
TOTAL	

Bill Fulton 10-21-93 2:45 p

CUSTOMER SIGNATURE DATE TIME

Adams Precision Instrumentation, Co.

A.P.I. / RONAN LEAK DETECTION SYSTEMS
2300 EAST ARTESIA BOULEVARD • LONG BEACH, CA 90805
3031 TISCH WAY - SUITE 200 • SAN JOSE, CA 95128
(310) 984-5380 • FAX (310) 984-5390
SAN JOSE (408) 244-6739

A.P.I. / RONAN LEAK DETECTION SYSTEM CERTIFICATION

LOCATION	SERVICE COMPANY	DATE
CHEVRON 4357	API / RONAN	10-21-93
11280 NATIONAL BL		
LOS ANGELES CA.		
90064		

Technician Performing Test D. PEARSON

TECH # DP

MANUFACTURER RONAN X76 LVC8-0-3 (8 US-3)-0
SN 8-0401

PRODUCT LINE	TANK	WASTE OIL TANK
TYPE DWF	TYPE DWF	TYPE DWF
MONITOR	MONITOR	MONITOR
____ Non Existing	____ Non Existing	____ Non Existing
✓ Operational	✓ Operational	✓ Operational
____ Non Operational	____ Non Operational	____ Non Operational

DEAR SIR,

THIS IS TO CERTIFY THAT THE ANNUAL MONITORING SYSTEM TEST WAS PERFORMED AT THE ABOVE REFERENCED FACILITY, THE METHOD USED TO TEST THE MONITORING SYSTEM IS APPROVED BY, AND EXCEEDS THE SPECIFICATION ACCORDING TO THE MANUFACTURER.

SINCERELY

DP

No PSD

Please leave one copy at the facility.

PLEASE PRINT. ALL INFORMATION MUST BE LEGIBLE.

Marketing Services / Supply Office
Unocal Refining & Marketing Division

UNOCAL

025 M

WORK ORDER 300000 5799

CONTRACTOR: APE/ROLAN, ARTESIA BLVD, CA

SERVICE STATION ADDRESS: 11280 NATIONAL BLVD, LOS ANGELES

STATION NO. 4357 PAGE 1 OF 1

REPORTED PROBLEM: ANNUAL CERTIFICATION

WAS JOB COMPLETED: ☑ YES ☐ NO

SERVICES / REPAIRS PERFORMED (SHOW MFG. NAMES & SERIAL NOS. IF PUMP TOTALIZER IS CHANGED, SHOW BEFORE & AFTER TOTALIZER READINGS)	LABOR CHARGES TIME	RATE	AMOUNT	MATERIAL DESCRIPTION	MATERIAL CHARGES QTY.	PRICE	AMOUNT
PERFORMED ANNUAL CERTIFICATION PROCEDURE ON 3 TANK (DWF - 2 PRODUCT + 1 WO) SYSTEM MONITORED BY LVC8-0-#3 (8LS-3)-0 SN 8-0401 - SUMPS MONITORING LINES. LVC8 + SENSORS TEST GOOD. CONFIRMED MLD OPERATION + COMPLETED UNOCAL CHECKLIST	Flat	rate	cost 195.00				
	TOTAL LABOR CHARGE		195.00				

TOTALIZER READINGS		
DISPENSER SERIAL NO.		
BEFORE		
AFTER		

TRAVEL TIME 45	NO. OF PERSONS ▷ 1				N/C
MILEAGE	NO. OF MILES ▷ 32				N/C
VENDOR'S EQUIPMENT					
ITEM	TIME	RATE	SUB-TOTAL	MARK UP %	AMOUNT
EQUIPMENT RENTAL					
SUB-CONTRACTOR					

TIME AT SERVICE SITE
ARRIVAL TIME 12:45 AM PM
DEPARTURE TIME 2:45 AM PM
TOTAL TIME 2 HRS. 0 MIN.

SUBTOTAL MATERIAL	
MARK UP %	
TOTAL MATERIAL	
SALES TAX ON TOTAL MATERIAL	
TOTAL LABOR CHARGE	
TOTAL TRAVEL TIME	
TOTAL MILEAGE	
TOTAL VENDOR'S EQUIP.	
TOTAL EQUIP. RENTAL	
TOTAL SUBCONTRACTOR	
TOTAL ▶	195.00
DATE	10-21-93

REMARKS

SERVICE PERSON (PRINT NAME): D. PEINGSTON

SERVICE PERSON'S SIGNATURE: DP

PRIOR TO SIGNING FORM, VERIFY ARRIVAL TIME, DEPARTURE TIME, AND SERVICES/REPAIRS PERFORMED.

AUTHORIZED PERSON (PRINT NAME): BILL FULTON

AUTHORIZED PERSON'S SIGNATURE: Bill Fulton

FORM 3-861 (REV. 6-92) PRINTED IN U.S.A.

ORIGINAL - ACCOUNTS PAYABLE

-98% 818 840 6929 07-30-96 10:25AM P015 #42

ALL INFORMATION MUST BE LEGIBLE.

Maintenance / Repair Order
Unocal Refining & Marketing Division

UNOCAL

BLANKET CONTRACT NO.

WORK ORDER 30000 5497

CONTRACTOR: APT / ROWAN, ARTESIA BL, LB, CA

SERVICE STATION ADDRESS: 11280 NATIONAL BL, LOS ANGELES

STATION NO. 4357 PAGE 1 OF 1

REPORTED PROBLEM: ANNUAL CERTIFICATION

WAS JOB COMPLETED: ☑ YES ☐ NO

SERVICES / REPAIRS PERFORMED (SHOW MFG. NAMES & SERIAL NOS. IF PUMP. TOTALIZER IS CHANGED, SHOW BEFORE & AFTER TOTALIZER READINGS.)	LABOR CHARGES TIME	RATE	AMOUNT	MATERIAL DESCRIPTION	MATERIAL CHARGES QTY.	PRICE	AMOUNT
PERFORMED ANNUAL CERTIFICATION PROCEDURE ON 3 TANK (DWF - 2 PRODUCT + 1 WA) SYSTEM MONITORED BY LVC8-0-3 (8LS-3)-0 SN 8-0401 - SUMPS MONITORING LINES LVC8 + SENSORS TEST GOOD. CONFIRMED MLD OPERATION + COMPLETED UNOCAL CHECKLISTS	Flat rate call		195.00				
	TOTAL LABOR CHARGE		195.00				

TOTALIZER READINGS									
DISPENSER SERIAL NO.			TRAVEL TIME 45	NO. OF PERSONS ▷ 1				N/C	
			MILEAGE	NO. OF MILES ▷ 32				N/C	
BEFORE			VENDOR'S EQUIPMENT						
			ITEM	TIME	RATE	SUB-TOTAL	MARK UP %	AMOUNT	
AFTER			EQUIPMENT RENTAL						
			SUB-CONTRACTOR						

TIME AT SERVICE SITE
ARRIVAL TIME 12:45 AM PM
DEPARTURE TIME 2:45 AM PM
TOTAL TIME 2 HRS. 0 MIN.

SUBTOTAL MATERIAL	
MARK UP %	
TOTAL MATERIAL	
SALES TAX ON TOTAL MATERIAL	
TOTAL LABOR CHARGE	
TOTAL TRAVEL TIME	
TOTAL MILEAGE	
TOTAL VENDOR'S EQUIP.	
TOTAL EQUIP. RENTAL	
TOTAL SUBCONTRACTOR	
TOTAL ▶	195

REMARKS

SERVICE PERSON (PRINT NAME): D. PENGSTON

SERVICE PERSON'S SIGNATURE: DP

PRIOR TO SIGNING FORM, VERIFY ARRIVAL TIME, DEPARTURE TIME, AND SERVICES/REPAIRS PERFORMED.

AUTHORIZED PERSON (PRINT NAME): BILL FULTON

AUTHORIZED PERSON'S SIGNATURE: Bill Fulton

DATE: 10-21-95

FORM 3-8011 (REV. 6-92) PRINTED IN U.S.A.

2 - ACCOUNTS PAYABLE

-98% 818 840 6929 07-30-96 10:25AM P016 #42

API/RONAN

NAME OF FACILITY LARRY'S UNOCAL FACILITY # LS #4357

ADDRESS 11280 NATIONAL, LOS ANGELES, CA 90064

NAME OF DEALER LARRY FULTON DATE: 10/21/93

	TRUE	FALSE	
1.	X		When your leak detection system goes into alarm you should first acknowledge the alarm.
2.		X	If you have a recurring alarm on your leak detection system you don't have to report it again.
3.	X		All alarms should be reported to Unocal Maintenance and logged in the alarm log book.
4.	X		If your product is shut down due to an alarm, you should never try to override or bypass the system.
5.	X		It is your responsibility to maintain accurate alarm activity record or any maintenance in your alarm/maintenance alarm log.
6.		X	If you suspect that your leak detection system is not in proper operation, don't worry about it maintenance will fix it.
7.	X		The leak detection system must be sealed to prevent tampering.
8.	X		A suspected leak must be reported immediately to Unocal.
9.	X		If a line leak is suspected you must discontinue use of that product immediately.
10.	X		All alarms should be considered as a leak until determined otherwise.

LOCAL FACILITY MONITORING, PRODUCT LINE AND TANK INFORMATION

FACILITY #:

FACILITY ADDRESS:

STREET: 11280 NATIONAL CROSS STREET: SAWTELLE

STATE: LOS ANGELES ZIP CODE: 90064 PHONE #: (213) 478-2197

TYPE OF PRODUCT LINES

MATERIAL: FIBERGLASS SINGLE WALL: DOUBLE WALL: ✓

REMARKS: SUMPS MONITOR LINES

TYPE OF TANKS

MATERIAL: FIBERGLASS SINGLE WALL: DOUBLE WALL: ✓

CAPACITY OF TANKS: #1/87/ 12000 #2/91/ 12000 #3/DIESEL:

PRODUCT LINE MONITORING SYSTEM

MANUFACTURER: ROLAND MODEL #: LVC8-0-3 PSD: NO SERIAL #: 8-0401

ARRIVING STATUS: OP DEPARTING STATUS: OP

REMARKS:

TANK MONITORING SYSTEM

MANUFACTURER: SAME MODEL #: PSD: SERIAL #:

ARRIVING STATUS: OPERATIONAL: NON-OPERATIONAL:

DEPARTING STATUS: OPERATIONAL: NON-OPERATIONAL:

REMARKS:

MECHANICAL LINE LEAK DETECTORS

LINE #1:
MANUFACTURER: RED JACKET MODEL #: 030
ARRIVING STATUS: OP DEPARTING STATUS: OP

LINE #2:
MANUFACTURER: RED JACKET MODEL #: 030
ARRIVING STATUS: OP DEPARTING STATUS: OP

LINE #3:
MANUFACTURER: MODEL #:
ARRIVING STATUS: DEPARTING STATUS:

LOCAL FACILITY MONITORING, PRODUCT LINE AND TANK INFORMATION

WASTE OIL TANK

MATERIAL: FB26US SINGLE WALL: _____ DOUBLE WALL: ✓

CAPACITY: 550

WASTE OIL RETURN LINE Direct fill

MATERIAL: _____ SINGLE WALL: _____ DOUBLE WALL: _____

WASTE OIL RETURN LINE MONITORING SYSTEM

MANUFACTURER: SAME MODEL #: _____

ARRIVING STATUS: OPERATIONAL: _____ NON-OPERATIONAL: _____

DEPARTING STATUS: OPERATIONAL: _____ NON-OPERATIONAL: _____

REMARKS: _____

TESTING COMPANY: APLRONAN, 2300 EAST ARTESIA BOULEVARD, LONG BEACH, CALIFORNIA 90805

TECHNICIAN: D. PINGSTON

DATE: 10-21-93

NOTE: D: 6" OIL IN WO FILL W/LS-3

LEAK DETECTION TEST

/S No.: 4357 DBA: Date: 10-21-93

ddress: 11280 NATIONAL / SANTA FE, CA.

ontractor: ADAMS PRECISION INSTRUMENTATION
2380 E. ARTESIA BLVD.
LONG BEACH, CALIF. 90805

ested by - Name: (Print) D. PFINGSTON (Signature) DRP Job No.

roduct	Pumpblock O - Outside M - Middle I - Inside	Model 116-011A Old Style	Model 116-017 New Style	Model 116-030 P.I.D.	Full Line Pressure (PSI) Open Max. 12	Full Line Pressure (PSI) Close Min. 26	Simulated Line Leak Test Pass	Simulated Line Leak Test Fail	Seals Leak Detector & Impact Valve (Date)	Corrections Ma
upreme	92			✓	27	1.5	✓		93	
egular										
nleaded	87			✓	28.5	1	✓		93	
ther										

Adams Precision Instrumentation, Co.

Ouros Lester Chang

A.P.I. / RONAN LEAK DETECTION SYSTEMS
Contract Maintenance & Calibration Services
2300 EAST ARETESIA BLVD • LONG BEACH, CA 90805
1125 WRIGLEY WAY • MILPITAS, CA 95035
(310) 984-5380 • FAX (310) 984-5390

PEI

SERVICE ORDER

SERVICE ORDER NUMBER 99107

DATE OF SERVICE 10/6/94

TECHNICIAN G.C. / P.V.

ARRIVED 115 P | DEPARTED 315 P

BILL TO UNOCAL

STREET ADDRESS

CITY, STATE AND ZIP CODE

SITE ID NUMBER/TYPE 4357

STREET ADDRESS AND CROSS STREET 1150 NATIONAL / SANTELLE

CITY, STATE AND ZIP CODE L.A. CA 90054

P.O. NUMBER CCCCC50979

MODEL NUMBER X7LUVL7-83

SERIAL NUMBER 8-0401

SITE PHONE NUMBER (310) 478-5753

SERVICE REQUESTED BY/C.O. Lester Chang

SERVICE REQUESTED CERT.

DESCRIPTION OF WORK PERFORMED CHECKED HOSES, NOZZLES, DISP., IMPACT, E.S.D., D.S.D., RECOVS, MLDS, TESTED ALL LIQUID SENSORS, ALARMS AND D.S.D.

INV 58

SYSTEM CERTIFIED	SYSTEM PSD	SYSTEM RUNNING	WASTE OIL	SYSTEM SEALED
☑ YES ☐ NO	☑ YES ☐ NO	☑ YES ☐ NO	☑ YES ☐ NO	☑ YES ☐ NO

DEMONSTRATED FOR: SCF

MATERIALS USED		DESCRIPTION	UNIT PRICE	TOTAL
QUANTITY	MODEL NO.			

	HOURS - MILEAGE	RATE	AMOUNT
LABOR	3	Flat rate	195.00
TRAVEL	2.5		
MILES	10		

SUB-TOTAL

SALES TAX

TOTAL

CUSTOMER SIGNATURE Bill Fulton DATE TIME

CUSTOMER COPY

Adams Precision Instrumentation, Co.

A.P.I. / RONAN LEAK DETECTION SYSTEMS
2300 EAST ARTESIA BOULEVARD • LONG BEACH, CA 90805
3031 TISCH WAY - SUITE 200 • SAN JOSE, CA 95128
(310) 984-5380 • FAX (310) 984-5390
SAN JOSE (408) 244-6739

A.P.I. / RONAN LEAK DETECTION SYSTEM CERTIFICATION

LOCATION	SERVICE COMPANY	DATE
UNOCAL 4357	API / RONAN	10/6/94
11280 NATIONAL BLVD.		
W. LOS ANGELES, CA. 90064		

Technician Performing Test PAUL KRUESTAD

TECH # PK

MANUFACTURER API RONAN

PRODUCT LINE TYPE DWF	TANK TYPE DWS	WASTE OIL TANK TYPE DWS
MONITOR	MONITOR	MONITOR
____ Non Existing	____ Non Existing	____ Non Existing
✓ Operational PSD	✓ Operational	✓ Operational
____ Non Operational	____ Non Operational	____ Non Operational

DEAR SIR,

THIS IS TO CERTIFY THAT THE ANNUAL MONITORING SYSTEM TEST WAS PERFORMED AT THE ABOVE REFERENCED FACILITY. THE METHOD USED TO TEST THE MONITORING SYSTEM IS APPROVED BY, AND EXCEEDS THE SPECIFICATION ACCORDING TO THE MANUFACTURER.

SINCERELY

Paul Kruestad

Please leave one copy at the facility.

PLEASE PRINT. ALL INFORMATION MUST BE LEGIBLE.

Maintenance / Repair Order

Unocal Petroleum Products & Chemicals Division

UNOCAL

Lester

BLANKET CONTRACT NO. [redacted]

WORK ORDER NO. 3000005099

CONTRACTOR: API / RONAN 2300 E. ARTESIA BLVD / LONG BEACH

SERVICE STATION ADDRESS: 11280 NATIONAL BLVD @ SAWTELLE / W. LOS ANGELES, CA. 90064

STATION NO. 4357

PAGE 1 OF 1

REPORTED PROBLEM: ANNUAL CERT.

WAS JOB COMPLETED: ☒ YES ☐ NO

SERVICES / REPAIRS PERFORMED (SHOW MFG. NAMES & SERIAL NOS. IF PUMP TOTALIZER IS CHANGED, SHOW BEFORE & AFTER TOTALIZER READINGS.)	LABOR CHARGES TIME	RATE	AMOUNT	MATERIAL DESCRIPTION	MATERIAL CHARGES QTY.	PRICE	AMOUNT
ANNUAL CERT. - VERIFY OPERATION OF ALL SENSORS AND ALARMS, MLDS, ESO AND PSD. INSPECT DISPENSERS FOR LEAKS, ANCHORING, IMPACT OPERATION, ROOT AND HOSE CONDITION, RELIEF OPERATION	Flat Rate Job		195.00				
	TOTAL LABOR CHARGE		195.00	CORE CREDIT			( )

TOTALIZER READINGS		
DISPENSER SERIAL NO.		
BEFORE		
AFTER		

TRAVEL TIME	NO. OF PERSONS ▷ 2				
VENDOR'S EQUIPMENT					
ITEM	TIME	RATE	SUB-TOTAL	MARK UP %	AMOUNT
EQUIPMENT RENTAL					
SUB-CONTRACTOR					

MILEAGE TO SITE AND TIME AT SITE

VEHICLE NUMBER: 1

ENDING ODOMETER READING: 58584

BEGINNING ODOMETER READING: 58574

TOTAL MILEAGE TO SITE: 10

SUBTOTAL MATERIAL	
MARK UP %	
TOTAL MATERIAL	
SALES TAX ON TOTAL MATERIAL	
TOTAL LABOR CHARGE	195.00
TOTAL TRAVEL TIME	
TOTAL MILEAGE	
TOTAL VENDOR'S EQUIP.	
TOTAL EQUIP. RENTAL	
TOTAL SUBCONTRACTOR	

REMARKS

CONTRACTOR CONFIRMED SERVICE CALL

DATE: 10/10/94 TIME: 1:15 AM (PM)

PERSON CONTACTED AT SITE: Bill

PERSON WHO PLACED CALL: Lester

ARRIVAL TIME AT SITE: 1:15 AM (PM)

DEPARTURE TIME FROM SITE: 3:15 AM (PM)

TOTAL TIME AT SITE: 2 HRS. 00 MIN.

SERVICE PERSON (PRINT NAME): GREG CHAMPION

SERVICE PERSON'S SIGNATURE: [signature]

SERVICE PERSON (PRINT NAME): PAUL KALLESTAD

SERVICE PERSON'S SIGNATURE: [signature]

BEFORE SIGNING FORM VERIFY ARRIVAL TIME, DEPARTURE TIME, AND SERVICES PERFORMED

AUTHORIZED PERSON (PRINT NAME): BILL FULTON

AUTHORIZED PERSON'S SIGNATURE: [signature]

TOTAL: 195.00

DATE: 10/10/94

07-30-96 10:25AM P004 #42

818 840 6929

Adams Precision Instrumentation, Co.

API/RONAN Leak Detection Systems

Corporate Office
2300 E. Artesia Blvd. Long Beach, CA 90805
Phone (310) 984-5380 Fax (310) 984-5390

Monitor Certification Inspection

FACILITY: 4357

STATION: UNOCAL

ADDRESS: 1120 NATIONAL/BATTELLE
L.A. CA

DEALER:

DATE: 10/6/94

TYPE OF INSPECTION

Annual ✓

Permit

Recheck

Leak

This letter certifies that the monitor(s) is/are in place, the probes are in the correct position and the the system is functioning correctly.

TYPE AND MODEL OF MONITOR RONAN X76LVC-8-85

SYSTEM FUNCTION

TANKS	ANNULAR SPACE PASS	FAIL	N/A	IN-TANK PASS	FAIL	N/A
92 Product	✓					
87 Product	✓					
Diesel						
WasteOil	✓					
Other						

Comments:

PRODUCT LINES	PASS	FAIL	N/A
92 Product	✓		
87 Product	✓		
Diesel			
Waste Oil			
Other			

Positive shutdown of turbine when monitor is in alarm? Yes ✓ No

If no, was precision product line test performed? Yes No ✓

Comments:

Adams Precision Instrumentation, Co.
API/RONAN Leak Detection Systems
Corporate Office
2300 E. Artesia Blvd. Long Beach, CA 90805
Phone (310) 884-5380 Fax (310) 884-5390

MECHANICAL LINE LEAK DETECTOR TEST DATA

STATION NUMBER: 4357 DATE: 10/6/94

LOCATION: 11250 NATIONAL / SANTELLE
Street and Cross Street City State Telephone #

OWNER: L.A. CA
Name Address Representative Telephone #

OPERATOR:
Name Position Telephone #

TESTING CONTRACTOR: ADAMS PRECISION INSTRUMENTATION CO. LONG BEACH, CA

TECHNICIAN'S NAME:

LEAK DETECTORS

1. MAKE: R.J.
TYPE / MODEL: PLD
SERIAL #: 50991-6579

2. MAKE: R.J.
TYPE / MODEL: PLD
SERIAL #: 6541

3. MAKE:
TYPE / MODEL:
SERIAL #:

4. MAKE:
TYPE / MODEL:
SERIAL #:

No.	Full Operating Pressure PSI	Funcional Element Holding PSI	Bleed Back ML	Metering Pressure PSI	Test LeakRate ML/Minute GAL/HR	PASS	FAIL	REMARKS
1.	28	28		2		✓		
2.	28	28		2		✓		
3.								
4.								

Adams Precision Instrumentation, Co.

API/RONAN Leak Detection Systems

Corporate Office
2300 E. Artesia Blvd. Long Beach, CA 90805
Phone (310) 984-5380 Fax (310) 984-5390

Monitor Certification Inspection (cont.)

SENSORS/PROBES

Sump sensors suspended within one inch of sump bottom? Y

Double walled FRP sensors installed properly in tank? _____

MONITOR PANEL

Monitor panel mounted and labeled correctly? Y

Alarm horn functions properly? Y

Is panel accessible and visible to station personnel? Y

Comments: _____

INSPECTED BY:

CONTRACTOR: A.P.I./RONAN Long Beach, CA

TECHNICIAN: G. Campion

SIGNATURE: G. Campion

Adams Precision Instrumentation, Co.
API/RONAN Leak Detection Systems
Corporate Office
2300 E. Artesia Blvd. Long Beach, CA 90805
Phone (310) 984-5380 Fax (310) 984-5390

DEALER ALARM RESPONSE TEST

NAME OF FACILITY: UNOCAL FACILITY #: 4357

ADDRESS: 11280 NATIONAL / SAWTELLE
L.A., CA

NAME OF DEALER: _____ DATE: 10/6/94

	TRUE	FALSE	
1.	✓		WHEN YOUR LEAK DETECTION SYSTEM GOES INTO ALARM YOU SHOULD FIRST ACKNOWLEDGE THE ALARM?
		✓	IF YOU HAVE A REOCCURRING ALARM ON YOUR LEAK DETECTION SYSTEM YOU DON'T HAVE TO REPORT IT AGAIN?
3.	✓		ALL ALARMS SHOULD BE REPORTED TO UNOCAL MAINTENANCE AND LOGGED IN THE ALARM BOOK?
4.	✓		IF YOUR PRODUCT IS SHUT DOWN DUE TO AN ALARM YOU SHOULD NEVER TRY TO OVERRIDE OR BYPASS THE SYSTEM?
5.	✓		IT IS YOUR RESPONSIBILITY TO MAINTAIN ACCURATE ALARM ACTIVITY RECORD OF AND MAINTENANCE IN YOUR ALARM/MAINTENANCE ALARM LOG?
6.		✓	IF YOU SUSPECT THAT YOUR LEAK DETECTION SYSTEM IS NOT IN PROPER OPERATION, DON'T WORRY ABOUT IT MAINTENANCE WILL FIX IT?
7.	✓		THE LEAK DETECTION SYSTEM MUST BE SEALED TO PREVENT TAMPERING?
8.	✓		A SUSPECTED LEAK MUST BE REPORTED IMMEDIATELY TO UNOCAL?
9.	✓		IF A LINE LEAK IS SUSPECTED YOU MUST DISCONTINUE USE OF THAT PRODUCT IMMEDIATELY?
10.	✓		ALL ALARMS SHOULD BE CONSIDERED AS A LEAK UNTIL DETERMINED OTHERWISE?

Adams Precision Instrumentation, Co.

API/RONAN Leak Detection Systems

Corporate Office
2300 E. Artesia Blvd. Long Beach, CA 90805
Phone (310) 984-5380 Fax (310) 984-5390

Unocal Facility Tank, Product Line & UST Monitor Survey

FACILITY: 4357 DATE: 10/6/94

ADDRESS: 11280 NATIONAL / SANTELLE
LA CA

DEALER:

TANKS	#1	#2	#3	#4	#5
TYPE					
steel/fiberglass	STL	STL	STL		
sgle/dbl wall	DW	DW	DW		
capacity	12K	12K	500G		
sump contained	Y	Y	Y		

PRODUCT LINES	#1	#2	#3	#4	#5
TYPE					
steel/fiberglass	FG	FG	~~FG~~		
sgle/dbl wall	DW	DW	—		

TANK/LINE MONITORING SYSTEM	#1	#2	#3	#4	#5
MANUFACTURER					
Annular	RONAN	→			
In-Tank	—	—			
PRODUCT LINE					
Press. Monitor	—	—			
Sump Monitor	RONAN		X		

Comments:

CERTIFICATE OF UNDERGROUND STORAGE TANK SYSTEM TESTING

NDE ENVIRONMENTAL CORPORATION
8906 WALL STREET, SUITE 306
AUSTIN, TEXAS 78754
(512) 719-4633
FAX (512) 719-4986

TEST RESULT SITE SUMMARY REPORT

TEST TYPE: VPLT

TEST DATE: October 23, 1995

WORK ORDER NUMBER: 915833

INVOICE DATE:

INVOICE NUMBER:

CLIENT: UNOCAL CORPORATION
ATT: MR. SCOTT CEROVAC
P. O. BOX 2390
BREA, CA 92622-2390
ATTN: SCOTT CEROVAC

SITE: UNOCAL 4357
11280 NATIONAL BLVD.
LOS ANGELES, CA 90064

The following tests were conducted at the site above in accordance with all applicable portions of Federal, NFP A and local regulations.

Line and Leak Detector Tests

TANK NUMBER	PRODUCT	VOLUME CHANGE (Gal) A B C D	LINE RESULT (P=pass, F=fail, I=inconclusive) A B C D	LEAK DETECTOR PRESENT	LEAK DETECTOR RESULT
12k	SUPER	0.007	P	YES	PASS
12k	UNLEADED	0.004	P	YES	PASS
500gl	WASTE OIL				

NDE appreciates the opportunity to serve you, and looks forward to working with you in the future. Please call any time, day or night, when you need us.

NDE Customer Service Representative:
AD BALLREICH

Test conducted by:
PATRICK BANBURY

Reviewed:

Technician Certification Number:

INDIVIDUAL TANK/LINE/LEAK DETECTOR TEST REPORT

NDE ENVIRONMENTAL CORPORATION

TEST DATE: October 23, 1995 | WORK ORDER NUMBER: 915833

CLIENT: UNOCAL CORPORATION | SITE: UNOCAL 4357

TANK INFORMATION

Tank ID:	12k
Product:	SUPER
Capacity in gallons:	12,052
Diameter in inches:	110.00
Length in inches:	296
Material:	CLAD STEEL
Manifolded Tank:	NO
Manifolded Vent:	NO
Manifolded V/R:	YES
Bottom to top fill in inches:	
Bottom to grade fill in inches:	
Fill pipe length in inches:	
Fill pipe diameter in inches:	
Stage I vapor recovery:	DUAL
Stage II vapor recovery:	BALANCE

COMMENTS

TANK TEST RESULTS

Test method:	
Psi at tank bottom:	
Fluid level in inches:	
UFT/OFT:	
Fluid volume in gallons:	
Water level in inches:	
Test time:	
Number of thermisters:	
Specific gravity:	
Water table depth in inches:	
Determined by (method):	
Leak rate in gph:	
RESULT:	

COMMENTS

LEAK DETECTOR RESULTS

	New/passed detector	Failed/replaced detector
Test method:	FTA	
Make:	RED JACKET	
Model:	X.L.P.	
S/N:	509916579	
Open time in sec:	2.00	
Holding psi:	24	
Resiliency cc:	200	
Test leak rate ml/min:	189.0	
Metering psi:	13	
Calib. leak in gph:	3.00	
RESULT:	PASS	

COMMENTS

RONAN X76LVC INSTALLED. PSD OK

ULLAGE TEST RESULTS

Test method:	
Test time:	
Ullage volume:	
Ullage pressure:	
RESULT:	

DATA FOR UTS-4T ONLY:

Time of test 1:	
Temperature:	
Flow rate (cfh):	
Time of test 2:	
Temperature:	
Flow rate (cfh):	
Time of test 3:	
Temperature:	
Flow rate (cfh):	

COMMENTS

LINE TEST RESULTS

LINE	A	B	C	D
Material:	DW FIBERG			
Diameter (in):	2.0			
Length (ft):	100.0			
Test psi:	50			
Bleedback cc:	200			
Test time (min):	30			
Test 1: start time:	08:30			
finish psi:	46			
vol change cc:	6			
Test 2: start time:	08:40			
finish psi:	47			
vol change cc:	4			
Test 3: start time:	08:50			
finish psi:	47			
vol change cc:	4			
Final gph:	0.007			
RESULT:	PASS			

Test type: PTK-88

Pump type: PRESSURE | Pump make: RED JACKET

COMMENTS

INDIVIDUAL TANK/LINE/LEAK DETECTOR TEST REPORT
NDE ENVIRONMENTAL CORPORATION

TEST DATE: October 23, 1995
WORK ORDER NUMBER: 915833
CLIENT: UNOCAL CORPORATION
SITE: UNOCAL 4357

TANK INFORMATION

Tank ID:	12k
Product:	UNLEADED
Capacity in gallons:	12,052
Diameter in inches:	110.00
Length in inches:	296
Material:	CLAD STEEL
Manifolded Tank:	NO
Manifolded Vent:	NO
Manifolded V/R:	YES
Bottom to top fill in inches:	
Bottom to grade fill in inches:	
Fill pipe length in inches:	
Fill pipe diameter in inches:	
Stage I vapor recovery:	DUAL
Stage II vapor recovery:	BALANCE

COMMENTS

TANK TEST RESULTS

Test method:	
Psi at tank bottom:	
Fluid level in inches:	
UFT/OFT:	
Fluid volume in gallons:	
Water level in inches:	
Test time:	
Number of thermisters:	
Specific gravity:	
Water table depth in inches:	
Determined by (method):	
Leak rate in gph:	
RESULT:	

COMMENTS

LEAK DETECTOR RESULTS

	New/passed detector	Failed/replaced detector
Test method:	FTA	
Make:	RED JACKET	RED JACKET
Model:	FX2	X.L.P.
S/N:	828958001	509916541
Open time in sec:	4.00	
Holding psi:	24	
Resiliency cc:	120	
Test leak rate ml/min:	189.0	
Metering psi:	9	
Calib. leak in gph:	3.00	3.00
RESULT:	PASS	FAIL

COMMENTS

ART OK LD REPLACEMENT AT 08:36

ULLAGE TEST RESULTS

Test method:	
Test time:	
Ullage volume:	
Ullage pressure:	
RESULT:	

DATA FOR UTS-4T ONLY:

Time of test 1:	
Temperature:	
Flow rate (cfh):	
Time of test 2:	
Temperature:	
Flow rate (cfh):	
Time of test 3:	
Temperature:	
Flow rate (cfh):	

COMMENTS

LINE TEST RESULTS

LINE	A	B	C	D
Material:	DW FIBERG			
Diameter (in):	2.0			
Length (ft):	100.0			
Test psi:	50			
Bleedback cc:	200			
Test time (min):	30			
Test 1: start time:	08:30			
finish psi:	47			
vol change cc:	4			
Test 2: start time:	08:40			
finish psi:	47			
vol change cc:	2			
Test 3: start time:	08:50			
finish psi:	49			
vol change cc:	2			
Final gph:	0.004			
RESULT:	PASS			

Test type: PTK-88
Pump type: PRESSURE
Pump make: RED JACKET

COMMENTS

8906 WALL STREET SUITE 306, AUSTIN, TEXAS 78754 (512) 719-4533

NDE ENVIRONMENTAL CORPORATION
8906 WALL STREET, SUITE 306
AUSTIN, TEXAS 78754
(512) 719-4633
FAX (512) 719-4986

TEST DATE: October 23, 1995

WORK ORDER NUMBER: 915833

CLIENT: UNOCAL CORPORATION

SITE: UNOCAL 4357

COMMENTS

PARTS REPLACED

QUANTITY	DESCRIPTION
1	LEAK DETECTOR - RED JACKET FX2

HELIUM PINPOINT TEST RESULTS (IF APPLICABLE)

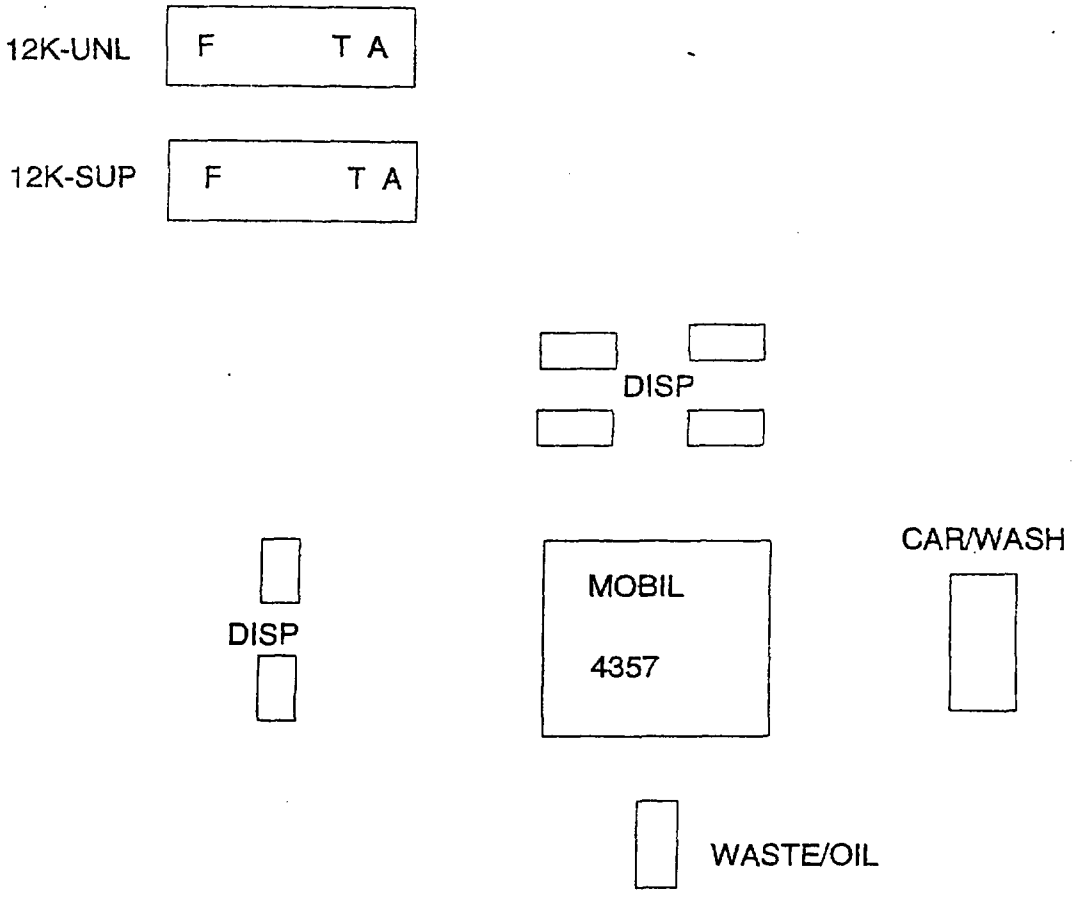
ITEMS TESTED

HELIUM PINPOINT LEAK TEST RESULTS

SITE DIAGRAM

NDE ENVIRONMENTAL CORPORATION
8906 WALL STREET, SUITE 306
AUSTIN, TEXAS 78754
(512) 719-4633
FAX (512) 719-4986

TEST DATE: October 23, 1995
WORK ORDER NUMBER: 915833
CLIENT: UNOCAL CORPORATION
SITE: UNOCAL 4357



MONITOR SYSTEM CERTIFICATION
NDE ENVIRONMENTAL CORPORATION

Te Date: 10/23/95 Work Order #: 915833

Client: UNOCAL CORPORATION
ATT: MR. SCOTT CEROVAC
BREA , CA. 92622

Site: UNOCAL 4357
11280 NATIONAL BLVD.
LOS ANGELES , CA. 90064

Overall System Operation

The pumps; Shut down automatically if the system detects a leak, fails to operate, or is electronically disconnected. [ ] Yes [X] No

The system has functioning audible and visual alarms. [X] Yes [ ] No

The circuit breaker for the system is properly identified. [X] Yes [ ] No

The system is certified operational per manufacturer's performance standards. [X] Yes [ ] No

Product Tank Monitoring: [X] Double wall [ ] Single wall

Make: RONAN Model: X76LVC
Type: ANNULAR SPACE LIQUID PROBE How many: 3 Operational: [X] Yes [ ] No

Automatic tank gauge, annular space vapor probe, annular space liquid probe, hydroguard system, adose zone monitor well, groundwater monitor well)

Comments:

Product Piping Monitoring: [X] Double wall [ ] Single wall

Make: RED JACKET Model: XLP AND FX2
Type: MECHANICAL LEAK DETECTOR How many: 2 Operational: [X] Yes [ ] No

Piping sump liquid sensor, piping trench liquid sensor, electronic line pressure sensor, nechanical line leak detector)

Comments:

Other Monitoring Systems

Make: RONAN Model: X76LVC
Type: SUMP LIQUID SENSOR How many: 3 Operational: [X] Yes [ ] No

Comments:

Technician: PATRICK BANBURY Technician Signature: Pat Banbury

SERVICE STATION MONITORING SYSTEM CERTIFICATION

STATION ADDRESS: 11280 NATIONAL BLVD.

CITY : LOS ANGELES, CA

WIC#: 4357

Tank Material:	[ ] Fiberglass	[ ] Steel	[X] Fibersteel
Tank Type:	[ ] Single Wall	[X] Double Wall	
Line Material:	[X] Fiberglass	[ ] Steel	[ ] Flex Line
Line Type:	[ ] Single Wall	[X] Double Wall	[ ] Trench Containment
Waste Oil Tank Type:	[ ] Single Wall	[X] Double Wall	[ ] Above Ground

TANK MONITORING SYSTEM - CERTIFIED [X] OPERATIONAL [ ] NON-OPERATIONAL

QTY	TYPE	POSITIVE SHUT DOWN	FAIL SAFE	OPERATIONAL	MANUFACTURER MODEL NUMBER
2	Interstitial Monitor [ ] Wet [X] Dry Annular	Yes	No	Yes	RONAN X76LVC
	Electronic Tank Level Monitor				
	Vadose Monitor				
	Fill / Vapor Recovery Riser				
Comments:					

STE OIL MONITORING SYSTEM - CERTIFIED [X] OPERATIONAL [ ] NON-OPERATIONAL

Y	TYPE	OPERATIONAL	MANUFACTURER MODEL NUMBER
1	Interstitial Monitor [ ] Wet [X] Dry Annular	Yes	RONAN X76LVCC
	Fill / Vapor Recovery Riser		
Comments:			

LINE MONITORING SYSTEM - CERTIFIED [X] OPERATIONAL [ ] NON-OPERATIONAL

QTY	TYPE	POSITIVE SHUT DOWN	FAIL SAFE	OPERATIONAL	MANUFACTURER MODEL NUMBER
2	Mechanical Leak Detector			Yes	RED JACKET XLP FX2
	Electronic Line Pressure Monitor				
	Electronic Line Pressure Monitor with Mechanical Leak Detector				
2	Electronic Tank Sump Monitor	Yes	No	Yes	RONAN X76LVC
	Electronic Line Trench Monitor				

I certify that the above information is accurate and functioning according to manufacturers specifications.

SIGNATURE: [signature] COMPANY: NDE Environmental Corp.

PRINT NAME: PATRICK BANBURY DATE: 10/23/95

SERVICE STATION CHECKLIST

WIC # 4357

TANK FILL AREA

Qty.	Product	Spill Containment Size	Drain Operational	Remote Fill (RF)	Spill Containment On RF	Cap & Gaskets In Place	Lids in Good Condition	Product I.D. Tag Present	Overfill Device Present	Strike Plate Basket Cage or None	Tank Diameter (inches)	Drop Tube Distance from Tank Bottom
1	Regular	5	Yes	No	Yes	Yes	Yes	Yes	Yes	SP	110	5
	Plus											
1	Premium	5	Yes	No	Yes	Yes	Yes	Yes	Yes	SP	110	5
	Diesel											
	Other:											
1	Waste Oil	5	Yes	No	Yes	Yes	Yes	Yes	Yes	SP	45	N/A

Are All Pump Turbines In A Contained Sump? Yes

Comments:

VAPOR RECOVERY AREA

Qty.	Product	Remote Vapor Recovery	Spill Containment Drain Operational	Cap & Gaskets In Place	Lids In Good Condition	Vapor Recovery I.D. Tag Present	DH Break In Good Condition	
1	Regular	No	Yes	Yes	Yes	No	Yes	
	Plus							
1	Premium	No	Yes	Yes	Yes	Yes	Yes	
	Other:							

Comments:

SERVICE STATION CHECKLIST

WIC # 4357

DISPENSER AREA

Product	Dispenser Manufacturer	Number of Nozzles	Impact Valves Operational	Dispenser Containment Box	Containment Sensor: Mechanical, Electronic or None If electronic, write model type		Containment Sensor Operational	H.S. or Balance System H.S. or Healy System V.A. or Vacuum Assist
Regular		4	Yes	Yes	M	Model:		
Plus		4	Yes	Yes	M	Model:		
Premium		4	Yes	Yes	M	Model:		
Diesel						Model:		
M-85						Model:		

Comments: _____

GENERAL INFORMATION

Qty	Emergency Shutoff (ESO) Present		ESO Operational
	Exterior		
1	Interior	Yes	Yes

Are Pressure Relief Valves Installed On Vent Line Stacks	
Regular	No
Plus	
Premium	No
Diesel	
M-85	

General Information: _____

Triangle Environmental, Inc.

MONITOR CERTIFICATION INSPECTION FORM

This certifies that the monitor and sensors, as listed below, are operational and calibrated per the manufacturer's specifications.

FACILITY # Union #4357 DATE 10/3/96

ADDRESS 1380 Arlington Blvd. & Sawtelle

Los Angeles, CA 90064

TYPE AND MODEL OF MONITOR Rosan Y76LVC

SYSTEM FUNCTION:

TANK (interstitial) WET ____ DRY X	PASS X	FAIL ____	N/A ____
TURBINE SUMP	PASS X	FAIL ____	N/A ____
IN LINE (pressure)	PASS ____	FAIL ____	N/A X
FUEL SUMPS	PASS X	FAIL ____	N/A ____
VAPOR WELLS	PASS ____	FAIL ____	N/A X
WASTE OIL	PASS X	FAIL ____	N/A ____

WHEN MONITOR IS TURNED OFF OR IN ALARM DOES THE TURBINE SHUT DOWN?
YES X NO ____

COMMENTS: CERTIFIED

INSPECTED BY: John Powers

172 WEST VERDUGO AVE., BURBANK, CA 91502-2132 • TEL: (818) 840-7020 • FAX: (818) 840-6929

Triangle Environmental, Inc.

172 West Verdugo Ave., Burbank, California 91502

FTA LEAK DETECTOR TEST DATA SHEET

[illegible] 4357 DATE: 12/3/[illegible]

[illegible] W/O #:

[illegible] Angeles, CA 90004

[illegible]	Serial Number, Detector Style	Drain Back ml	Trip Time sec.	Test Rate ml/min	Funct. Elev. psi	Tripping Pressure psi	Pass or Fail
S-1	F72-082895-000, DLD PLD XLD XLP VPR	100	6	90	28	7	P
92	4[illegible]91-2579 DLD PLD XLD XLP VPR	140	7	120	28	7	P
	DLD PLD XLD XLP VPR						
	DLD PLD XLD XLP VPR						
	DLD PLD [illegible] XLP VPR						
	[illegible] XLD XLP VPR						

I certify the above tests [illegible] conducted on this date according to the equipment manufacturer's procedures and limitations and the results as listed [illegible] to my knowledge true and correct.

Technician: John Favre OTTL#

The mechanical Leak Detector Test pass/fail is determined using a low flow threshold trip rate of 284 ml per minute or less at 10 psi as set by Red Jacket Pumps Field Test Apparatus testing procedure.

Copyright (c) , Triangle Environmental, Inc., January 1991. MRL

'PRODUCTS COMPANY
29 East Imperial Highway
ea, California 92621

ANNUAL SITE INSPECTION FORM

DTE #: 4397 | DATE: 10/3/96

VAPOR RECOVERY

Stage I (Fill area)
- _ Co-axial
- X Dual
- _ Remote

Stage II (Equipment)
System Type
- X Balance
- _ Assist

Hose/Nozzle Type
- X Co-axial
- _ Dual
- _ Bootless

COMMENTS:

EQUIPMENT	S	U	N/P	PROB.SYS.
Fill Cover	X	_	_	
Fill Cap	X	_	_	
Fill Seal	X	_	_	
VR Cover	X	_	_	
VR Cap	X	_	_	
VR Seal	X	_	_	
VR Overfill	X	_	_	
Drop Tube Cover	X	_	_	
[illegible]	X	_	_	
Pump Stop Mech	X	_	_	
Over Fill Sen	X	_	_	
Drop Tube	X	_	_	
[illegible]	X	_	_	

	Y	N	PROB.SYS.
[illegible] installed	X	_	
Drop Tube within 6" of tank bottom	X	_	

COMMENTS:
Pump Stop Ins'd in 87
TURBINE REPLACED 8/90
TESTED

MISCELLANEOUS	S	U	N/P	PROB.SYS.
General Insp.	X	_	_	
Blending Unit	X	_	_	
Impact Valves	X	_	_	
Hoses & Nozzles	X	_	_	

[illegible] of monitoring system (if present):

COMMENTS:

S=SATISFACTORY U=UNSATISFACTORY N/P=NOT PRESENT Y=YES N=NO PROB.SYS.=PROBLEM SYSTEM

COMMENTS:

[illegible] form shows the conditions of the site after the technician has left the [illegible].

Copyright 1995, Triangle Environmental Inc.

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY: [ ] YES [✓] NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? [✓] YES [ ] NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.

SIGNED _____ DATE _____

REPORT DATE: 11 12 09 92

CASE #: 26032

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: J.A. ADAMS

PHONE: (818) 854-7096

SIGNATURE: J.A. Adams

REPRESENTING: [✓] OWNER/OPERATOR [ ] REGIONAL BOARD [ ] LOCAL AGENCY [ ] OTHER _____

COMPANY OR AGENCY NAME: UNOCAL

ADDRESS: 17700 CASTLETON ST. #500 (STREET) CITY OF INDUSTRY (CITY) CA (STATE) 91748 (ZIP)

RESPONSIBLE PARTY

NAME: UNOCAL [ ] UNKNOWN

CONTACT PERSON: J.A. ADAMS

PHONE: (818) 854-7096

ADDRESS: 17700 CASTLETON ST. #500 (STREET) CITY OF INDUSTRY (CITY) CA (STATE) 91748 (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): UNOCAL SS # 4357

OPERATOR:

PHONE: ( )

ADDRESS: 11280 NATIONAL BLVD. (STREET) CULVER CITY (CITY) _____ (COUNTY) _____ (ZIP)

CROSS STREET: SAWTELLE

IMPLEMENTING AGENCIES

LOCAL AGENCY / AGENCY NAME: LA CITY FIRE DEPT.

CONTACT PERSON: HAROLD WARD

PHONE: (213) 485-7543

REGIONAL BOARD:

PHONE: ( )

SUBSTANCES INVOLVED

(1) NAME: GASOLINE QUANTITY LOST (GALLONS): _____ [✓] UNKNOWN

(2) _____ [ ] UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 09 21 92

HOW DISCOVERED: [ ] INVENTORY CONTROL [ ] SUBSURFACE MONITORING [ ] NUISANCE CONDITIONS [ ] TANK TEST [✓] TANK REMOVAL [ ] OTHER _____

DATE DISCHARGE BEGAN: M M D D Y Y [✓] UNKNOWN

HAS DISCHARGE BEEN STOPPED? [ ] YES [ ] NO IF YES, DATE M M D D Y Y

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): [ ] REMOVE CONTENTS [ ] CLOSE TANK & REMOVE [ ] REPAIR PIPING [ ] REPAIR TANK [ ] CLOSE TANK & FILL IN PLACE [ ] CHANGE PROCEDURE [ ] REPLACE TANK [ ] OTHER _____

SOURCE/CAUSE

SOURCE OF DISCHARGE: [ ] TANK LEAK [ ] UNKNOWN [ ] PIPING LEAK [ ] OTHER

CAUSE(S): [ ] OVERFILL [ ] RUPTURE/FAILURE [ ] SPILL [ ] CORROSION [✓] UNKNOWN [ ] OTHER _____

CASE TYPE

CHECK ONE ONLY: [✓] UNDETERMINED [ ] SOIL ONLY [ ] GROUNDWATER [ ] DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY: [ ] NO ACTION TAKEN [ ] PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED [✓] POLLUTION CHARACTERIZATION [ ] LEAK BEING CONFIRMED [ ] PRELIMINARY SITE ASSESSMENT UNDERWAY [ ] POST CLEANUP MONITORING IN PROGRESS [ ] REMEDIATION PLAN [ ] CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) [ ] CLEANUP UNDERWAY

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS): [ ] EXCAVATE & DISPOSE (ED) [ ] REMOVE FREE PRODUCT (FP) [ ] ENHANCED BIO DEGRADATION (IT) [ ] CAP SITE (CD) [ ] EXCAVATE & TREAT (ET) [ ] PUMP & TREAT GROUNDWATER (GT) [ ] REPLACE SUPPLY (RS) [ ] CONTAINMENT BARRIER (CB) [ ] NO ACTION REQUIRED (NA) [ ] TREATMENT AT HOOKUP (HU) [ ] VENT SOIL (VS) [ ] VACUUM EXTRACT (VE) [✓] OTHER (OT) UNDETERMINED AT THIS TIME

COMMENTS

HSC 05 (8/90)

California Regional Water Quality Control Board - Los Angeles Region

Site Investigation and Cleanup History

(Leaking Underground Fuel Tank Program)

I. Site Information

Site name:	Unocal 76 (Tosco) Station 4357			
Site address:	11280 National Boulevard Los Angeles, CA			
RB LUSTIS/LOP/LIA Case No: OES Case #26032			Unauthorized Release Form filing date: 11/20/92	
Underground Storage Tank Cleanup Fund Program I.D. No: 009280				
Responsible Parties		Address		Phone Number
Unocal Corp./ Tosco Corp.		P.O. Box 25376 Santa Ana, CA 92799		(714) 428-6488
Tank No.	Capacity in gallons	Contents	Closed in place/removed?	Date
1	10,000	gasoline	removed	Sep-92
2	10,000	gasoline	removed	Sep-92
3	10,000	diesel	removed	Sep-92
4	550	waste oil	removed	Sep-92
5	12,000	gasoline	active	installed Sep-92
6	12,000	gasoline	active	installed Sep-92
7	550	waste oil	active	installed Sep-92
8				

II. Unauthorized Release and Site Characterization Information (Soil and/or Groundwater)

Cause and type of release: gasoline affected soil beneath one UST and dispensers		
Onsite assessment complete? Yes If yes, when: Sep-93		Offsite assessment complete? N/A
Monitoring well(s) installed? Yes (vadose well)	Number of wells: 1	Screened interval(s): 25-90 fbg
Type(s) of soil: clay, silt, sand		Thickness/depth of soil contamination: 2-90 fbg
Highest/lowest groundwater depth encountered (feet below land surface): N/A		Highest/lowest historical or anticipated groundwater depth (feet below land surface): > 95'
Flow direction (note fluctuation): N/A	Gradient(ft/ft): N/A	Surface/ocean water(s) affected? No
Depth to drinking water aquifer feet below land surface: > 95'		Distance to nearest drinking water well: 5000 ft
Listing of site-related reports submitted (Please attach list only--not all reports) Yes - Listed in attached response		

Treatment or Disposal of Affected Material

Material	Quantity (give units)	Treatment or Disposal (with destination)	Date
Tank(s)	2-10,000, 1-550	Records not located but believed to be disposed at AMR, in Ontario, Ca.	Sep-92
Piping	~ 150 ft.	After rinsing, the piping was disposed at a local landfill.	Sep-92
Free Product	N/A	N/A	N/A
Soil	710 tons, 6.78 tons	Puente Hills Landfill, Whittier, CA; TPS Soil Recycling, Adelanto, CA	Sep-92, Apr-93
Groundwater	N/A	N/A	N/A
Barrels	150 gal rinsate water	Crosby & Overton, Long Beach, CA	Apr-93

California Regional Water Quality Control Board - Los Angeles Region

Site Investigation and Cleanup History

(Leaking Underground Fuel Tank Program)

I. Site Information

UNOCAL

Site name:	76 (Tosco) Station 4357
Site address:	11280 National Boulevard Los Angeles, CA
RB LUSTIS/LOP/LIA Case No: OES Case #26032	Unauthorized Release Form filing date: 11/20/92
Underground Storage Tank Cleanup Fund Program I.D. No: 009280	

Responsible Parties	Address	Phone Number
Unocal Corp. / Tosco Corp. ~~Refining Company~~	P.O. Box 25376 Santa Ana, CA 92799	(714) 428-6488

Tank No.	Capacity in gallons	Contents	Closed in place/removed?	Date
1	10,000	gasoline	removed	Sep-92
2	10,000	gasoline	removed	Sep-92
3	10,000	diesel	removed	Sep-92
4	550	waste oil	removed	Sep-92
5	12,000	gasoline	active	installed Sep-92
6	12,000	gasoline	active	installed Sep-92
7	550	waste oil	active	installed Sep-92
8				

II. Unauthorized Release and Site Characterization Information (Soil and/or Groundwater)

Cause and type of release: gasoline affected soil beneath one UST and dispensers		
Onsite assessment complete? Yes If yes, when: Sep-93		Offsite assessment complete? N/A
Monitoring well(s) installed? Yes (vadose well)	Number of wells: 1	Screened interval(s): 25-90 fbg
Type(s) of soil: clay, silt, sand		Thickness/depth of soil contamination: 2-90 fbg
Highest/lowest groundwater depth encountered (feet below land surface): N/A		Highest/lowest historical or anticipated groundwater depth (feet below land surface): > 95'
Flow direction (note fluctuation): N/A	Gradient(ft/ft): N/A	Surface/ocean water(s) affected? No
Depth to drinking water aquifer feet below land surface: > 95'		Distance to nearest drinking water well: 5000 ft
Listing of site-related reports submitted (Please attach list only--not all reports) Yes - Listed in attached response		

Treatment or Disposal of Affected Material

N/A

Material	Quantity (give units)	Treatment or Disposal (with destination)	Date
Tank(s)	2-10,000, 1-550	Records not located but believed to be disposed at AMR, in Ontario, Ca	Sep-92
Piping	~ 150 ft.	After rinsing, the piping was disposed at a local landfill.	Sep-92
Free Product	N/A	N/A	N?A
Soil	710 tons, 6.78 tons	Puente Hills Landfill, Whittier, CA; TPS Soil Recycling, Adelanto, CA	Sep-92, Apr-93
Groundwater	N/A	N/A	N/A
Barrels	150 gal rinsate water	Crosby & Overton, Long Beach, CA	Apr-93

SS# 4357

interoffice
MEMORANDUM

to: Max Rasouli
from: Rob Maxfield
subject: MTBE
date: April 19, 1996

As we discussed I am forwarding the chromatograms you requested through Rashmi Shah, our local southern California account representative. The estimated MTBE concentrations we reviewed are hand written on each of the quantification pages.

Should you have any further questions please feel free to give me a call at (603) 672-4835.

Rob Maxfield

cc Don Rensner, NEI/GTEL - Wichita

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(310) 371-1044
(800) 727-GTEL
Fax (310) 371-8720

GTEL Client Number: JMM03.UNC03
Project I.D.: Unocal 4357
Work Order Number: T303047

March 11, 1993

Mr. Max Rasouli
James M. Montgomery
250 North Madison Avenue
Pasadena, CA 91109-7009

Dear Mr. Rasouli,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 3-3-93 under chain-of-custody records 76-9858, 76-9859, 76-9857, 76-9864 and 76-9863.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL Mobile Laboratory is certified by the state of California under Certification #1619.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

William M. Jow

William M. Jow
Western Region Mobile Laboratory Manager

GTEL Client Number: JMM03.UNC03
Project I.D.: Unocal 4357
Work Order Number: T303047

ANALYTICAL RESULTS

Volatile Organics in Soil
EPA Methods Modified 8020 and Modified 8015[a]

GTEL Sample Number		Lab Blank	03047-1	03047-2	03047-3
Client Identification		–	B-1-15'	B-1-20'	B-1-30'
Date Sampled		3-3-93	3-3-93	3-3-93	3-3-93
Date Extracted		3-3-93	3-3-93	3-3-93	3-3-93
Date Analyzed		3-3-93	3-3-93	3-3-93	3-3-93
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg			
Benzene	0.005	<0.005	<0.005	<0.50	<0.025
Toluene	0.005	<0.005	0.011	34	0.99
Ethylbenzene	0.005	<0.005	0.030	100	2.5
Xylene, total	0.015	<0.015	0.17	520	16
TPH as Gasoline	1.0	<1.0	<1.0	3100	97
Dilution Multiplier[b]		1	1	100	5
TFT surrogate[c], % recovery		100	89.3	94.7	94.6

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Results are calculated on a wet weight basis.

b. Indicates the adjustments made for sample dilution.

c. TFT surrogate recovery acceptability limits of 72.8-123% are derived from the 99% confidence interval of all samples during the previous quarter. Expected surrogate value is 1.07 mg/kg.

GTEL Client Number: JMM03.UNC03
Project I.D.: Unocal 4357
Work Order Number: T303047

ANALYTICAL RESULTS

Volatile Organics in Soil
EPA Methods Modified 8020 and Modified 8015[a]

	GTEL Sample Number	03047-4	03047-5	03047-6	03047-7
	Client Identification	B-1-40'	B-1-45'	B-1-50'	B-1-55'
	Date Sampled	3-3-93	3-3-93	3-3-93	3-3-93
	Date Extracted	3-3-93	3-3-93	3-3-93	3-3-93
	Date Analyzed	3-3-93	3-3-93	3-3-93	3-3-93
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg			
Benzene	0.005	0.90	0.007	<0.005	<0.005
Toluene	0.005	70	0.54	0.051	0.056
Ethylbenzene	0.005	31	0.16	0.009	0.013
Xylene, total	0.015	160	1.1	0.091	0.069
TPH as Gasoline	1.0	960	10	<1.0	1.8
Dilution Multiplier[b]		50	1	1	1
TFT surrogate[c], % recovery		97.7	89.9	89.3	97.2

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Results are calculated on a wet weight basis.

b. Indicates the adjustments made for sample dilution.

c. TFT surrogate recovery acceptability limits of 72.8-123% are derived from the 99% confidence interval of all samples during the previous quarter. Expected surrogate value is 1.07 mg/kg.

Output redirected to LPT1:
Output redirected to LPT1:
B-1-30' 5X Processed: 03-03-1993 10:37:05, segment 3, cycle 3
RAW DATA SAVED IN FILE E:MA03A3.PTS Second Channel Stored in E:NA03A3.PTS

***** EXTERNAL STANDARD TABLE *****
********** 03-03-1993 10:37:07 Version 4.1 **********
* Sample Name: B-1-30' 5X Data File: E:MA03A3 *
* Date: 03-03-1993 10:18:26 Method: E:A602M1 02-12-1993 11:32:40 # 1437*
* Interface: 0 Cycle#: 3 Operator RTC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
****
* Instrument Type: HP 5890 PID/FID Column Type: DB-624,30M *
* Solvent Description: 0.53M 3.0UM 105M *
* Conditions: 40D HOLD 2MIN;10D/MIN TO 150;20D/MIN TO 220 @2 MIN *
* Detector 0: OI PID Detector 1: OI FID *
* Misc. Information: INJ 200 DET 230; LPT1: * *
****
Starting Delay: 0.00 Ending retention time: 20.00
Area reject: 1000 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.88
Sample Weight: 35.000000

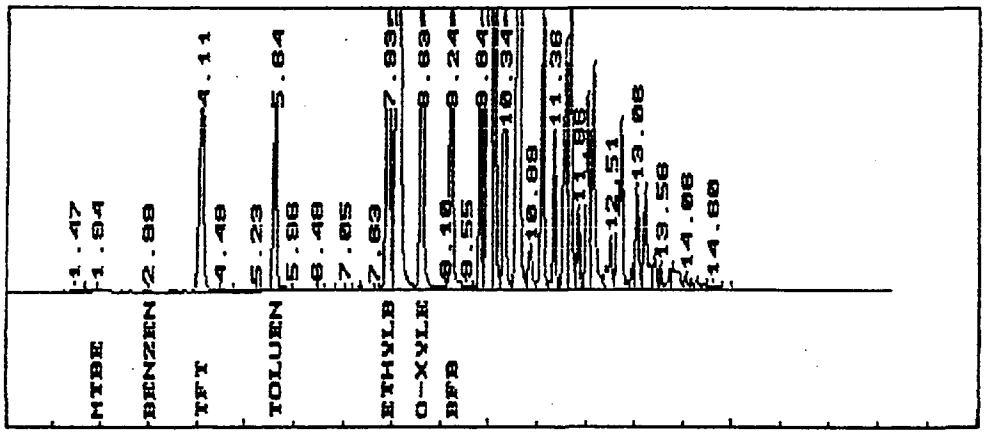
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPB	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	1.470		0.0000	0.0000%	5431	1185	4.6	2			0.0000E+00
2	1.687		0.0000	0.0000%	6264	1307	4.8	2			0.0000E+00
3	1.937	MTBE	0.0829	0.2970%	6525	966	6.8	1	6	-.4492	1.2700E-05
4	2.989	BENZENE	0.0054	0.0193%	2853	542	5.3	1	6	-.7005	1.8868E-06
6	4.108	TFT	3.8864	13.9300%	716449	111190	6.4	3	6	0	5.4246E-06
7	4.492		0.0000	0.0000%	3203	408	7.9	4			0.0000E+00
8	4.760		0.0000	0.0000%	1700	173	9.8	4			0.0000E+00
10	5.227		0.0000	0.0000%	2310	391	5.9	2			0.0000E+00
11	5.344		0.0000	0.0000%	3736	645	5.8	2			0.0000E+00
12	5.645	TOLUENE	0.9889	3.5445%	508854	103934	4.9	3	6	0	1.9434E-06
13	5.962		0.0000	0.0000%	2631	374	7.0	4			0.0000E+00
15	6.480		0.0000	0.0000%	4791	821	5.8	2			0.0000E+00
16	6.630		0.0000	0.0000%	2026	301	6.7	2			0.0000E+00
17	6.864		0.0000	0.0000%	1441	254	5.7	2			0.0000E+00
18	7.047		0.0000	0.0000%	3037	642	4.7	2			0.0000E+00
19	7.198		0.0000	0.0000%	3598	710	5.1	2			0.0000E+00
20	7.365		0.0000	0.0000%	15276	1871	8.2	2			0.0000E+00
21	7.632		0.0000	0.0000%	3033	463	6.5	2			0.0000E+00
22	7.732		0.0000	0.0000%	3211	596	5.4	2			0.0000E+00
23	7.932	ETHYLBENZENE	2.4641	8.8321%	1054924	247655	4.3	2	6	0	2.3358E-06
24	8.150	M,P XYLENE	11.0810	39.7172%	5341131	994195	5.4	OV	6	.3215	2.0747E-06
25	8.634	O-XYLENE	4.7730	17.1076%	2082485	537016	3.9	3	6	.2139	2.2920E-06
26	9.101		0.0000	0.0000%	10744	2283	4.7	4			0.0000E+00
27	9.235	BFB	4.6180	16.5522%	1438179	357195	4.0	3	6	-.1306	3.2110E-06
28	9.552		0.0000	0.0000%	10522	2012	5.2	4			0.0000E+00
29	9.686		0.0000	0.0000%	10946	1520	7.2	4			0.0000E+00
30	9.836		0.0000	0.0000%	534261	151169	3.5	2			0.0000E+00
31	10.020		0.0000	0.0000%	2825275	620589	4.6	2			0.0000E+00
32	10.137		0.0000	0.0000%	1653031	460950	3.6	2			0.0000E+00
33	10.337		0.0000	0.0000%	706811	203545	3.5	2			0.0000E+00
34	10.621		0.0000	0.0000%	3260651	838820	3.9	2			0.0000E+00
35	10.888		0.0000	0.0000%	146345	20339	7.2	2			0.0000E+00

0.083 mg/kg
<0.025
94.6
0.99
2.5
16

37	11.356	0.0000	0.0000%	347934	100606	3.5	2	0.0000E+00
38	11.590	0.0000	0.0000%	535218	126376	4.2	2	0.0000E+00
39	11.707	0.0000	0.0000%	841709	164290	5.1	2	0.0000E+00
40	11.857	0.0000	0.0000%	142660	39845	3.6	2	0.0000E+00
41	12.041	0.0000	0.0000%	466047	98412	4.7	2	0.0000E+00
42	12.158	0.0000	0.0000%	540885	113691	4.8	3	0.0000E+00
43	12.508	0.0000	0.0000%	148527	24609	6.0	4	0.0000E+00
44	12.742	0.0000	0.0000%	512841	85475	6.0	2	0.0000E+00
45	12.976	0.0000	0.0000%	42627	10790	4.0	2	0.0000E+00
46	13.059	0.0000	0.0000%	228671	51357	4.5	2	0.0000E+00
47	13.243	0.0000	0.0000%	312476	50357	6.2	2	0.0000E+00
48	13.427	0.0000	0.0000%	96386	17491	5.5	2	0.0000E+00
49	13.560	0.0000	0.0000%	47241	11417	4.1	2	0.0000E+00
50	13.711	0.0000	0.0000%	35837	7148	5.0	2	0.0000E+00
51	13.794	0.0000	0.0000%	145780	11616	12.6	2	0.0000E+00
52	14.061	0.0000	0.0000%	35284	6518	5.4	2	0.0000E+00
53	14.178	0.0000	0.0000%	21077	3227	6.5	2	0.0000E+00
54	14.295	0.0000	0.0000%	34682	4248	8.2	2	0.0000E+00
55	14.479	0.0000	0.0000%	24754	3179	7.8	2	0.0000E+00
56	14.596	0.0000	0.0000%	23984	2484	9.7	2	0.0000E+00
57	14.813	0.0000	0.0000%	14301	1843	7.8	2	0.0000E+00
58	14.997	0.0000	0.0000%	6104	767	7.8	3	0.0000E+00

TOTAL AMOUNT = 27.8997

Data File = E:MA03A3.PTS Printed on 03-03-1993 at 10:37:15
Start time: 0.00 min. Stop time: 20.00 min. Offset: 0 mv.
Full Range: 150 millivolts



***** EXTERNAL STANDARD TABLE *****

********** 03-03-1993 10:37:27 Version 4.1 **********

* Sample Name: B-1-30' 5X Data File: E:NA03A3 *
* Date: 03-03-1993 10:18:26 Method: E:B602M1 02-12-1993 11:34:20 # 1294*
* Interface: 0 Cycle#: 3 Operator RTC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: HP 5890 PID/FID Column Type: DB-624,30M *
* Solvent Description: 0.53M 3.0UM 105M *
* Conditions: 40D HOLD 2MIN;10D/MIN TO 150;20D/MIN TO 220 @2 MIN *
* Detector 0: OI PID Detector 1: OI FID *
* Misc. Information: INJ 200 DET 230; LPT1: * *

****

Starting Delay: 0.00 Ending retention time: 20.00
Area reject: 1000 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.88
Sample Weight: 35.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPB	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA

Output redirected to LPT1:
B-1-20' 10 Processed: 03-03-1993 11:08:51, segment 4, cycle 4
RAW DATA SAVED IN FILE E:MA03A4.PTS Second Channel Stored in E:NA03A4.PTS

***** EXTERNAL STANDARD TABLE *****
********** 03-03-1993 11:08:53 Version 4.1 **********
* Sample Name: B-1-20' 100X Data File: E:MA03A4 *
* Date: 03-03-1993 10:50:42 Method: E:A602M1 02-12-1993 11:32:40 # 1437*
* Interface: 0 Cycle#: 4 Operator RTC Channel#: 0 . Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
****
* Instrument Type: HP 5890 PID/FID Column Type: DB-624,30M *
* Solvent Description: 0.53M 3.0UM 105M *
* Conditions: 40D HOLD 2MIN;10D/MIN TO 150;20D/MIN TO 220 @2 MIN *
* Detector 0: OI PID Detector 1: OI FID *
* Misc. Information: INJ 200 DET 230; LPT1: * *
****

Starting Delay: 0.00 Ending retention time: 20.00
Area reject: 1000 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 37.50
Sample Weight: 35.000000

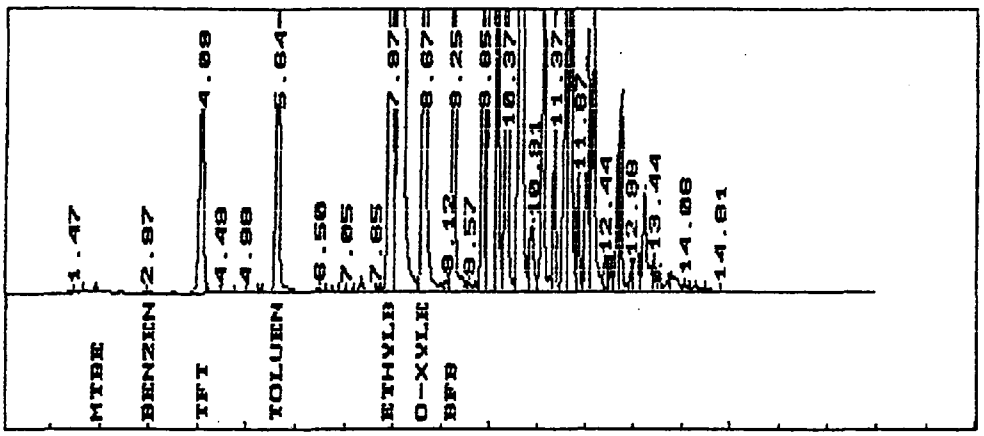
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPB	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	1.470		0.0000	0.0000%	1388	223	6.2	2			0.0000E+00
2	1.670		0.0000	0.0000%	6278	1375	4.6	2			0.0000E+00
3	1.920	MTBE	3.3875	0.4032%	13337	1936	6.9	1	6	-.9046	2.5400E-04
4	2.973	BENZENE	0.0942	0.0112%	2497	492	5.1	1	6	-.8522	3.7735E-05
6	4.091	TFT	77.8466	9.2648%	717538	118994	6.5	3	6	0	1.0849E-04
7	4.492		0.0000	0.0000%	4208	549	7.7	4			0.0000E+00
8	4.760		0.0000	0.0000%	2368	270	8.8	2			0.0000E+00
9	4.977		0.0000	0.0000%	1879	189	5.7	2			0.0000E+00
10	5.227		0.0000	0.0000%	4051	710	5.7	2			0.0000E+00
11	5.344		0.0000	0.0000%	6761	1314	5.1	2			0.0000E+00
12	5.645	TOLUENE	33.7982	4.0224%	869554	178334	4.9	1	6	.3954	3.8868E-05
14	6.496		0.0000	0.0000%	11616	2051	5.7	2			0.0000E+00
15	6.647		0.0000	0.0000%	3152	732	4.3	2			0.0000E+00
16	6.747		0.0000	0.0000%	1595	378	4.2	2			0.0000E+00
17	6.880		0.0000	0.0000%	3317	594	5.6	2			0.0000E+00
18	7.047		0.0000	0.0000%	6929	1411	4.9	2			0.0000E+00
19	7.198		0.0000	0.0000%	8563	1735	4.9	2			0.0000E+00
20	7.365		0.0000	0.0000%	34505	4404	7.8	2			0.0000E+00
21	7.649		0.0000	0.0000%	6313	1017	6.2	2			0.0000E+00
22	7.749		0.0000	0.0000%	7043	1239	5.7	2			0.0000E+00
23	7.966	ETHYLBENZENE	100.4102	11.9501%	2149348	410027	5.2	2	6	.8175	4.6717E-05
24	8.150	M,P XYLENE	343.9634	40.9361%	8289666	994021	8.3	OV	6	.7310	4.1493E-05
25	8.667	O-XYLENE	177.7512	21.1547%	3877707	878224	4.4	3	6	1.012	4.5839E-05
26	9.118		0.0000	0.0000%	28280	5558	5.1	4			0.0000E+00
27	9.252	BFB	102.9924	12.2574%	1603733	368371	4.5	3	6	.4582	6.4220E-05
28	9.569		0.0000	0.0000%	23587	4275	5.5	4			0.0000E+00
	9.703		0.0000	0.0000%	18081	2595	7.0	4			0.0000E+00
30	9.853		0.0000	0.0000%	966244	247106	3.9	2			0.0000E+00
31	10.053		0.0000	0.0000%	4676975	896866	5.2	2			0.0000E+00
32	10.170		0.0000	0.0000%	2686538	714579	3.8	2			0.0000E+00
33	10.371		0.0000	0.0000%	1170800	328414	3.7	2			0.0000E+00
34	10.655		0.0000	0.0000%	4944474	994014	5.0	OV			0.0000E+00
35	10.985		0.0000	0.0000%	238513	33869	7.0	2			0.0000E+00

3.39 mg/kg
<0.5
94.7%
34
100
520
521

37	11.373	0.0000	0.0000%	480629	143685	3.3	2	0.0000E+00
38	11.606	0.0000	0.0000%	769740	177786	4.3	2	0.0000E+00
39	11.723	0.0000	0.0000%	1182057	230948	5.1	2	0.0000E+00
40	11.874	0.0000	0.0000%	200229	57068	3.5	2	0.0000E+00
41	12.057	0.0000	0.0000%	625898	128982	4.9	2	0.0000E+00
42	12.174	0.0000	0.0000%	687809	150817	4.6	3	0.0000E+00
3	12.441	0.0000	0.0000%	78487	14059	5.0	4	0.0000E+00
44	12.525	0.0000	0.0000%	134381	32417	4.1	2	0.0000E+00
45	12.692	0.0000	0.0000%	261822	70653	3.7	2	0.0000E+00
46	12.759	0.0000	0.0000%	390128	99562	3.9	2	0.0000E+00
47	12.976	0.0000	0.0000%	59689	13414	4.4	2	0.0000E+00
48	13.076	0.0000	0.0000%	232473	50986	4.6	2	0.0000E+00
49	13.243	0.0000	0.0000%	317282	50474	6.3	2	0.0000E+00
50	13.443	0.0000	0.0000%	85293	15972	5.3	2	0.0000E+00
51	13.560	0.0000	0.0000%	49345	11096	4.4	2	0.0000E+00
52	13.727	0.0000	0.0000%	29064	6299	4.6	2	0.0000E+00
53	13.794	0.0000	0.0000%	102007	7672	13.3	2	0.0000E+00
54	14.061	0.0000	0.0000%	27386	4257	6.4	2	0.0000E+00
55	14.178	0.0000	0.0000%	14592	2364	6.2	2	0.0000E+00
56	14.295	0.0000	0.0000%	24724	2787	8.9	2	0.0000E+00
57	14.479	0.0000	0.0000%	22464	2011	11.2	2	0.0000E+00
58	14.813	0.0000	0.0000%	3904	601	6.5	2	0.0000E+00

TOTAL AMOUNT = 840.2439

Data File = E:MA03A4.PTS Printed on 03-03-1993 at 11:09:01
Start time: 0.00 min. Stop time: 20.00 min. Offset: 0 mv.
Full Range: 150 millivolts



***** EXTERNAL STANDARD TABLE *****
********** 03-03-1993 11:09:13 Version 4.1 **********
* Sample Name: B-1-20' 100X Data File: E:NA03A4 *
* Date: 03-03-1993 10:50:42 Method: E:B602M1 02-12-1993 11:34:20 # 1294*
* Interface: 0 Cycle#: 4 Operator RTC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
****
* Instrument Type: HP 5890 PID/FID Column Type: DB-624,30M *
* Solvent Description: 0.53M 3.0UM 105M *
* Conditions: 40D HOLD 2MIN;10D/MIN TO 150;20D/MIN TO 220 @2 MIN *
* Detector 0: OI PID Detector 1: OI FID *
* Misc. Information: INJ 200 DET 230; LPT1: * *
****
Starting Delay: 0.00 Ending retention time: 20.00
rea reject: 1000 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 37.50
Sample Weight: 35.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPB	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA

,EQUENCE RECORDED IN E:MA03A.SEQ
SEQUENCE RECORDED IN E:MA03A.SEQ
Output redirected to LPT1:
B-1-40' 50 Processed: 03-03-1993 10:05:04, segment 2, cycle 2
RAW DATA SAVED IN FILE E:MA03A2.PTS Second Channel Stored in E:NA03A2.PTS

***** EXTERNAL STANDARD TABLE *****
********** 03-03-1993 10:05:05 Version 4.1 **********
* Sample Name: B-1-40' 50X Data File: E:MA03A2 *
* Date: 03-03-1993 09:46:10 Method: E:A602M1 02-12-1993 11:32:40 # 1437*
* Interface: 0 Cycle#: 2 Operator RTC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *
****
* Instrument Type: HP 5890 PID/FID Column Type: DB-624,30M *
* Solvent Description: 0.53M 3.0UM 105M *
* Conditions: 40D HOLD 2MIN;10D/MIN TO 150;20D/MIN TO 220 @2 MIN *
* Detector 0: OI PID Detector 1: OI FID *
* Misc. Information: INJ 200 DET 230; LPT1: * *
****
Starting Delay: 0.00 Ending retention time: 20.00
Area reject: 1000 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 18.75
Sample Weight: 35.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPB	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	1.687	MTBE <.25	0.0000	0.0000%	6416	1488	4.3	2			0.0000E+00
5	2.973	BENZENE 0.90	0.8981	0.2562%	47601	7186	6.7	2	9	-1.255	1.8868E-05
6	3.248		0.0000	0.0000%	11243	1665	6.8	2			0.0000E+00
7	3.574		0.0000	0.0000%	28844	2516	11.5	2			0.0000E+00
8	3.808		0.0000	0.0000%	8064	1125	7.2	2			0.0000E+00
9	4.108	TFT 97.7%	40.1518	11.4532%	740185	112232	6.6	2	9	0	5.4246E-05
10	4.509		0.0000	0.0000%	126406	18559	6.8	2			0.0000E+00
11	4.776		0.0000	0.0000%	20812	2465	8.4	2			0.0000E+00
12	4.977		0.0000	0.0000%	11673	1902	6.1	2			0.0000E+00
13	5.227		0.0000	0.0000%	15951	2142	7.4	2			0.0000E+00
14	5.361		0.0000	0.0000%	17446	2740	6.4	2			0.0000E+00
15	5.678	TOLUENE 70	69.6463	19.8663%	3583693	701640	5.1	3	9	.5789	1.9434E-05
16	5.979		0.0000	0.0000%	22586	2909	7.8	4			0.0000E+00
17	6.196		0.0000	0.0000%	17069	1328	12.9	4			0.0000E+00
18	6.496		0.0000	0.0000%	21674	2989	7.3	2			0.0000E+00
19	6.647		0.0000	0.0000%	6382	1264	5.0	2			0.0000E+00
20	6.747		0.0000	0.0000%	4430	813	5.4	2			0.0000E+00
21	6.880		0.0000	0.0000%	4287	589	7.3	2			0.0000E+00
22	7.847		0.0000	0.0000%	6487	1180	5.5	2			0.0000E+00
23	7.198		0.0000	0.0000%	6797	1263	5.4	2			0.0000E+00
24	7.365		0.0000	0.0000%	23678	2809	8.4	2			0.0000E+00
25	7.649		0.0000	0.0000%	3755	678	5.6	2			0.0000E+00
26	7.749		0.0000	0.0000%	5248	843	6.2	2			0.0000E+00
27	7.949	ETHYLBENZENE 31	31.2807	8.9227%	1339163	308507	4.3	2	9	.1971	2.3358E-05
28	8.150	M,P XYLENE	117.5488	33.5381%	5665914	994218	5.7	OV	9	.3215	2.0747E-05
29	8.634	O-XYLENE 160	46.8726	13.1420%	2010182	503278	4.0	3	9	.2139	2.2920E-05
30	9.118		0.0000 164	0.0000%	10094	2139	4.7	4			0.0000E+00
31	9.252	BFB	44.9768	12.8295%	1400702	342382	4.1	3	9	0	3.2110E-05
32	9.569		0.0000	0.0000%	10519	1961	5.4	4			0.0000E+00
33	9.703		0.0000	0.0000%	9054	1415	6.4	4			0.0000E+00
34	9.836		0.0000	0.0000%	446394	122313	3.6	2			0.0000E+00
35	10.020		0.0000	0.0000%	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]

mg/kg

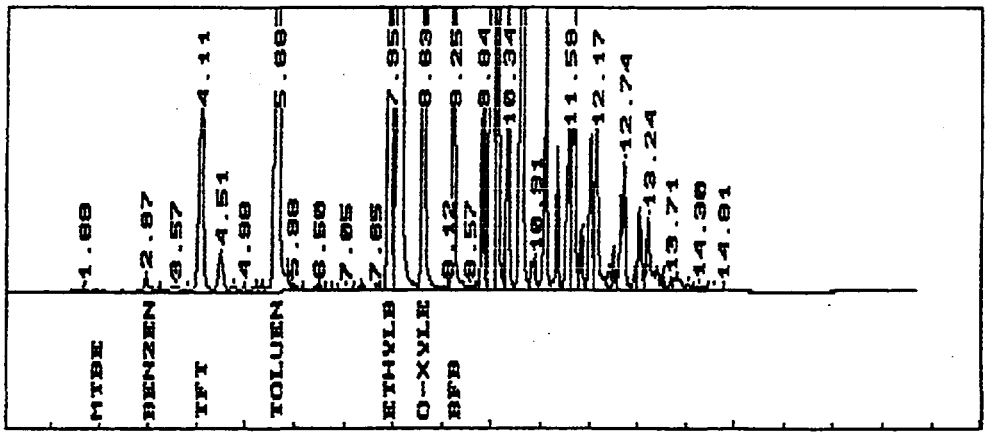
37	10.337	0.0000	0.0000%	555518	151848	3.7	2	0.0000E+00
38	10.621	0.0000	0.0000%	2622183	704275	3.7	2	0.0000E+00
39	10.905	0.0000	0.0000%	113508	15526	7.3	2	0.0000E+00
40	11.122	0.0000	0.0000%	596266	152009	3.9	2	0.0000E+00
41	11.356	0.0000	0.0000%	256186	69516	3.7	2	0.0000E+00
42	11.590	0.0000	0.0000%	420482	104449	4.0	2	0.0000E+00
43	11.707	0.0000	0.0000%	712444	139406	5.1	2	0.0000E+00
44	11.874	0.0000	0.0000%	118863	30385	3.9	2	0.0000E+00
45	12.057	0.0000	0.0000%	365277	76616	4.8	2	0.0000E+00
46	12.174	0.0000	0.0000%	437847	89461	4.9	3	0.0000E+00
47	12.441	0.0000	0.0000%	41991	8713	4.8	4	0.0000E+00
48	12.525	0.0000	0.0000%	82404	19366	4.3	4	0.0000E+00
49	12.742	0.0000	0.0000%	401145	65708	6.1	2	0.0000E+00
50	12.976	0.0000	0.0000%	39685	9519	4.2	2	0.0000E+00
51	13.059	0.0000	0.0000%	173857	39947	4.4	2	0.0000E+00
52	13.243	0.0000	0.0000%	302460	37754	8.0	3	0.0000E+00
53	13.560	0.0000	0.0000%	23036	6778	3.4	4	0.0000E+00
54	13.711	0.0000	0.0000%	28053	4246	4.7	2	0.0000E+00
55	13.861	0.0000	0.0000%	80220	6263	12.8	2	0.0000E+00
56	14.061	0.0000	0.0000%	18891	3417	5.5	2	0.0000E+00
57	14.178	0.0000	0.0000%	10772	1732	6.2	2	0.0000E+00
58	14.295	0.0000	0.0000%	18448	2160	8.5	2	0.0000E+00
59	14.479	0.0000	0.0000%	10373	1563	6.6	2	0.0000E+00
60	14.596	0.0000	0.0000%	9420	1054	8.9	2	0.0000E+00
61	14.813	0.0000	0.0000%	3626	609	6.0	2	0.0000E+00

TOTAL AMOUNT = 350.5743

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
MTBE	1.95	TFT

ata File = E:MA03A2.PTS Printed on 03-03-1993 at 10:05:14
Start time: 0.00 min. Stop time: 20.00 min. Offset: 0 mv.
Full Range: 150 millivolts



***** EXTERNAL STANDARD TABLE *****

```
******************** 03-03-1993 10:05:26 Version 4.1 **********************
* Sample Name: B-1-40' 50X                          Data File: E:NA03A2      *
* Date: 03-03-1993 09:46:10 Method: E:B602M1  02-12-1993 11:34:20  #  1294*
* Interface: 0   Cycle#:  2    Operator RTC Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
  Instrument Type: HP 5890  PID/FID      Column Type: DB-624,30M           *
              Solvent Description: 0.53M 3.0UM 105M                       *
* Conditions: 40D HOLD 2MIN;10D/MIN TO 150;20D/MIN TO 220 @2 MIN           *
*            Detector 0: OI PID                Detector 1: OI FID         *
* Misc. Information: INJ 200 DET 230;                  LPT1:          *   *
*************************************************************************
Starting Delay:   0.00                        Ending retention time:  -20.00
```

LAST TRANSACTION REPORT FOR HP FAX-700 SERIES VERSION: 01.03

AX NAME:
JMBER:

DATE: 27-JUN-97
TIME: 17:28

DATE	TIME		REMOTE FAX NAME AND NUMBER	DURATION	PG	RESULT	DIAGNOSTIC
7-JUN	17:21	S	714 753 0111	0:07:00	11	OK	663840100198

****

S=FAX SENT
I=POLL IN(FAX RECEIVED)
O=POLLED OUT(FAX SENT)

O PRINT THIS REPORT AUTOMATICALLY. SELECT AUTOMATIC REPORTS IN THE SETTINGS MENU.
O PRINT MANUALLY. PRESS THE REPORT/SPACE BUTTON. THEN PRESS ENTER.