

THRIFTY OIL CO.

ALCO
HAZMAT
55 MAY -2 PM 2:54

April 27, 1994

Mr. Scott O. Seary
Alameda County
Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Room 200
Oakland, California 94621

RE: Thrifty Oil Co. Station #054
2504 Castro Valley Boulevard
Castro Valley, California
1st. QUARTER REPORT, 1994

Dear Mr. Seary,

This letter report presents the results of soil/groundwater treatment and site monitoring during the 1st. quarter of 1994 at the subject site. The approximate location of the on- and off-site monitoring wells are shown on Figure 1. **The engine of the RSI unit was replaced and was operational the first week in May, 1993.** All monitoring is conducted by Earth Management Co. (EMC).

Site Monitoring and Sample Collection

The site was visited on March 2, 1994, by an EMC technician in order to gauge the wells and collect groundwater samples. Water levels were measured in each well from the rim of well cover using a Marine Moisture Tape (nearest 0.01 feet) capable of also measuring the presence of free floating hydrocarbons. *Depth to water* ranged from about 2.60 to 7.52 feet below grade which is consistent with previous data collected, indicating a slight rise. As of March 2, 1993, 1994? six of wells, PW-2, RE-1, RE-3, RE-4, RE-6 and RE-7, exhibited free product visible as a sheen or film. The depth to water data was used in conjunction with the recent survey data to determine groundwater elevations across the site. The interpretation of groundwater flow across the site is depicted on Figure 1. In general, the *groundwater flow* was to the east at a calculated gradient of about 8.5 feet per 100 feet.

Prior to collecting groundwater samples from the wells, about 4 well volumes of groundwater was removed using a PVC bailer. During the purging process, the pH, conductivity and temperature were checked and recorded to insure formation water was entering the well to be sampled. About 8 to 36 gallons of water were removed from each well and stored in 55 gallon D.O.T approved drums pending disposal or discharge through the treatment unit. Groundwater samples were collected with a Teflon bailer. Samples were maintained and transported in 40 milliliter vials placed on ice pending delivery to Smith-Emery, a state certified analytical



laboratory headquartered in Los Angeles, California. Field monitoring sheets prepared by EMC personnel are included in Appendix A.

Analytical Results

Groundwater Monitoring Wells. Groundwater samples were analyzed for total hydrocarbons (TPH) and volatile aromatic compounds (BETX) using EPA methods 8015 and 8020, respectively. Copies of the laboratory analysis reports are attached in Appendix B. A summary of the results are presented in Table 1. The two down-gradient wells, RS-8 and RS-10 continue to indicate less than detectable or acceptable levels of volatile aromatic compounds. Iso-concentration maps of TPH and benzene based on the March sampling event are presented as Figures 2 and 3.

Treatment Unit Discharge. In addition, the inlet and outlet to the groundwater treatment unit was sampled monthly. ~~The current analytical results indicate 56 mg/L TPH in the inlet and BETX concentrations ranged from less than 44 ug/L to 6500 ug/L. TPH and BETX was not detected in the outlet.~~ A summary of discharge data is included in Table 2.

Air Sample Collection. In order to monitor the emissions of the engine, ~~bi-weekly samples of~~ the outlet vapors were collected and analyzed for benzene. Based on the analysis of samples by D&M Laboratories, no detectable concentrations of benzene were noted in the outlet vapor sampled. Copies of complete laboratory reports are included in Appendix B.

Treatment Unit Operation Status

Based on the data obtained by EMC, the RSI-SAVE unit operated 1,233 hours during the reporting period and 8,513 hours total (current meter reading 5429). A total of about 4,840 gallons of water has been processed by the unit and discharged to the local sanitary sewer to date, March 28, 1994. During this reporting period, a total of 1,419 gallons of water was processed.

Closing

Thrifty will continue to conduct quarterly groundwater monitoring at the site. In addition, a consultant has been selected to prepare a workplan for installation of one off-site well near the southeast corner of the site. A purchase order has been issued and this work is anticipated to be completed during the 2nd. quarter of 1994. If you have any questions please contact me at (310) 923-9876.

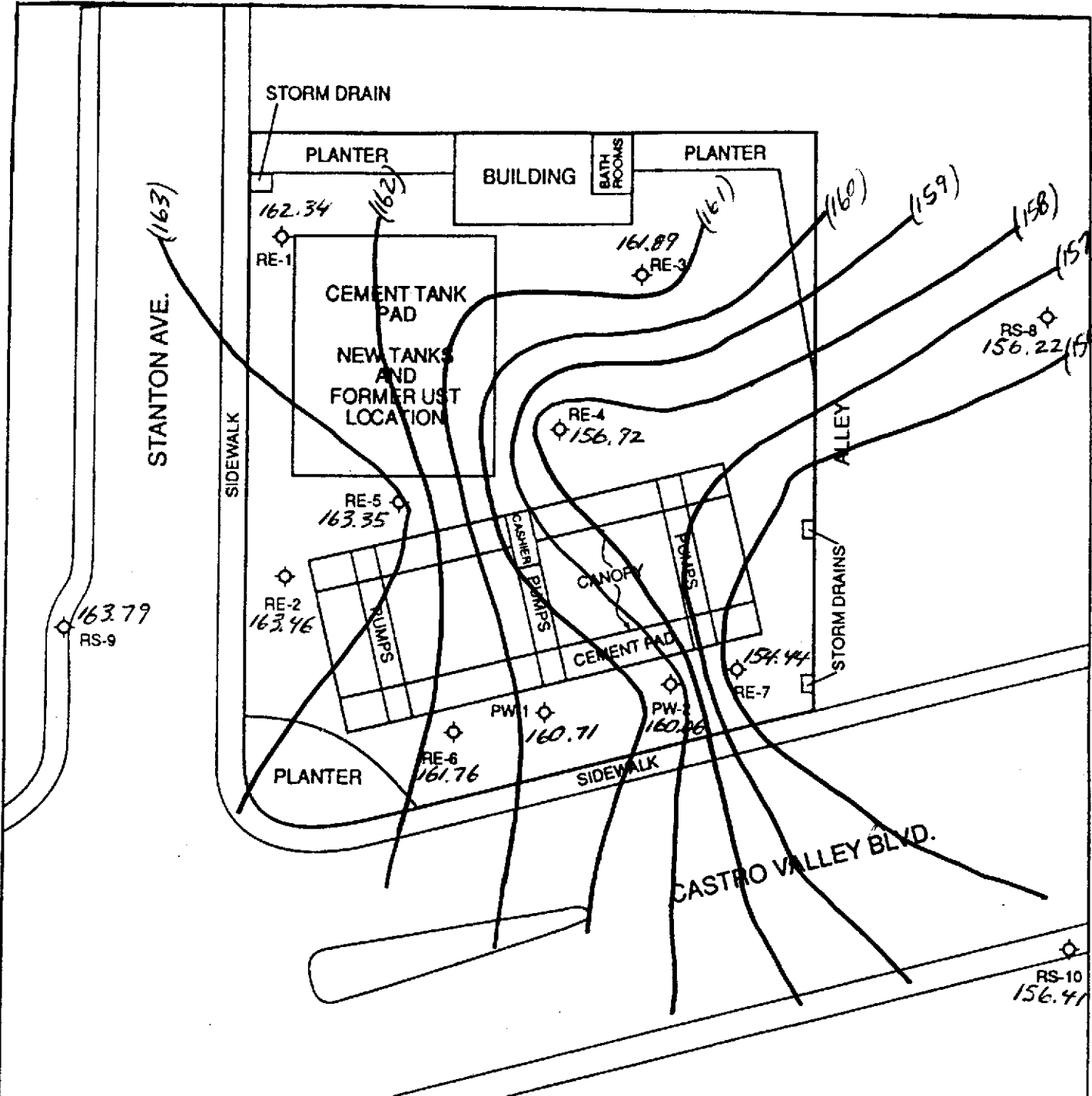
Very truly yours,



Peter D'Amico
Manager
Environmental Affairs



FIGURES



THRIFTY OIL CO. #054
CASTRO VALLEY, CALIFORNIA
 Prepared for
THRIFTY OIL CO.
DOWNEY, CALIFORNIA

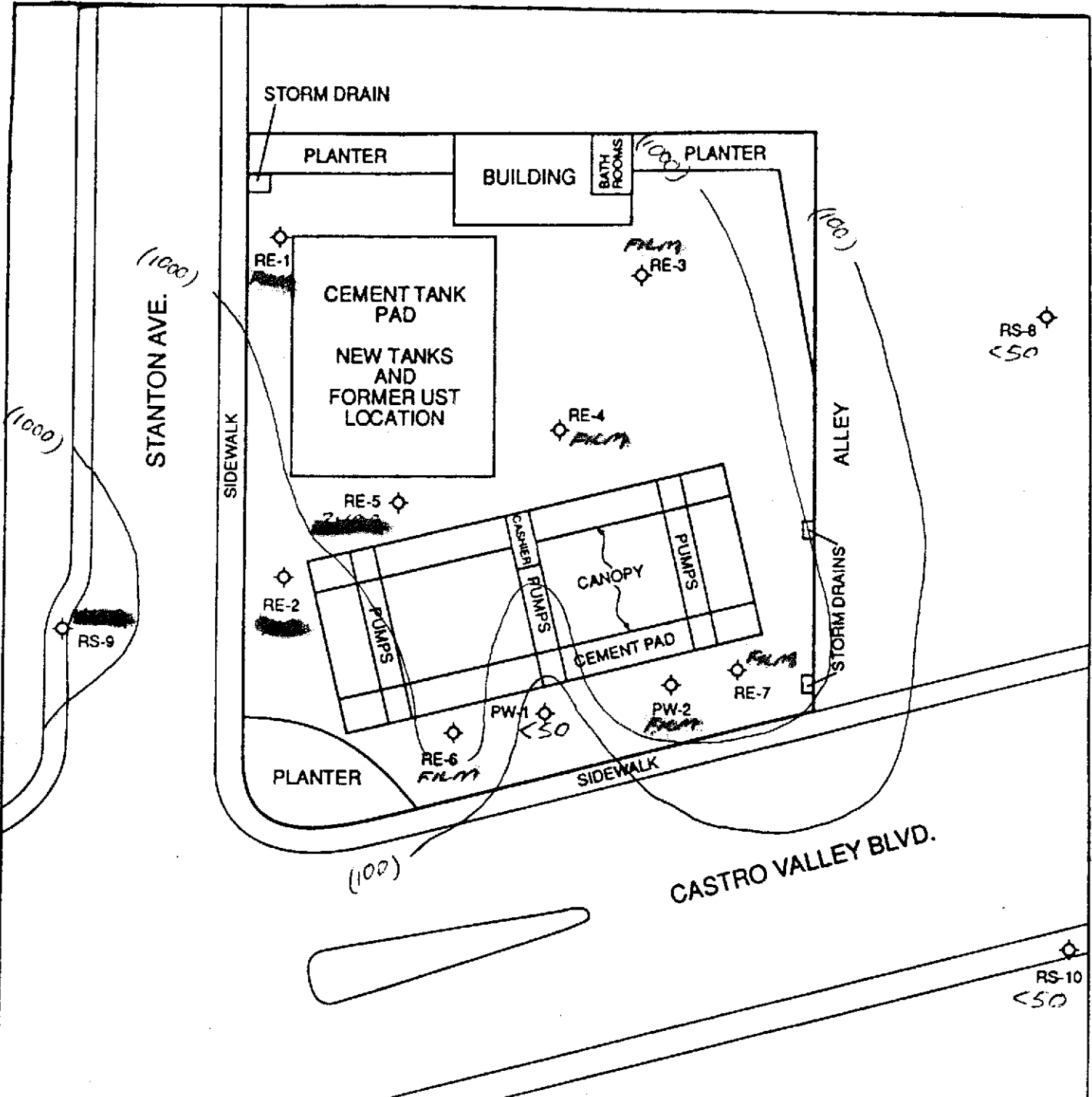


SCALE IN FEET

(GROUNDWATER CONTOUR, 3-14-94

◇ EXISTING MONITORING WELL





TPH CONTOUR MAP

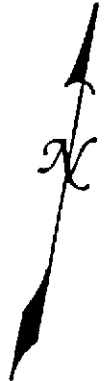
THRIFTY OIL CO. #054
 CASTRO VALLEY, CALIFORNIA
 Prepared for
 THRIFTY OIL CO.
 DOWNEY, CALIFORNIA



SCALE IN FEET

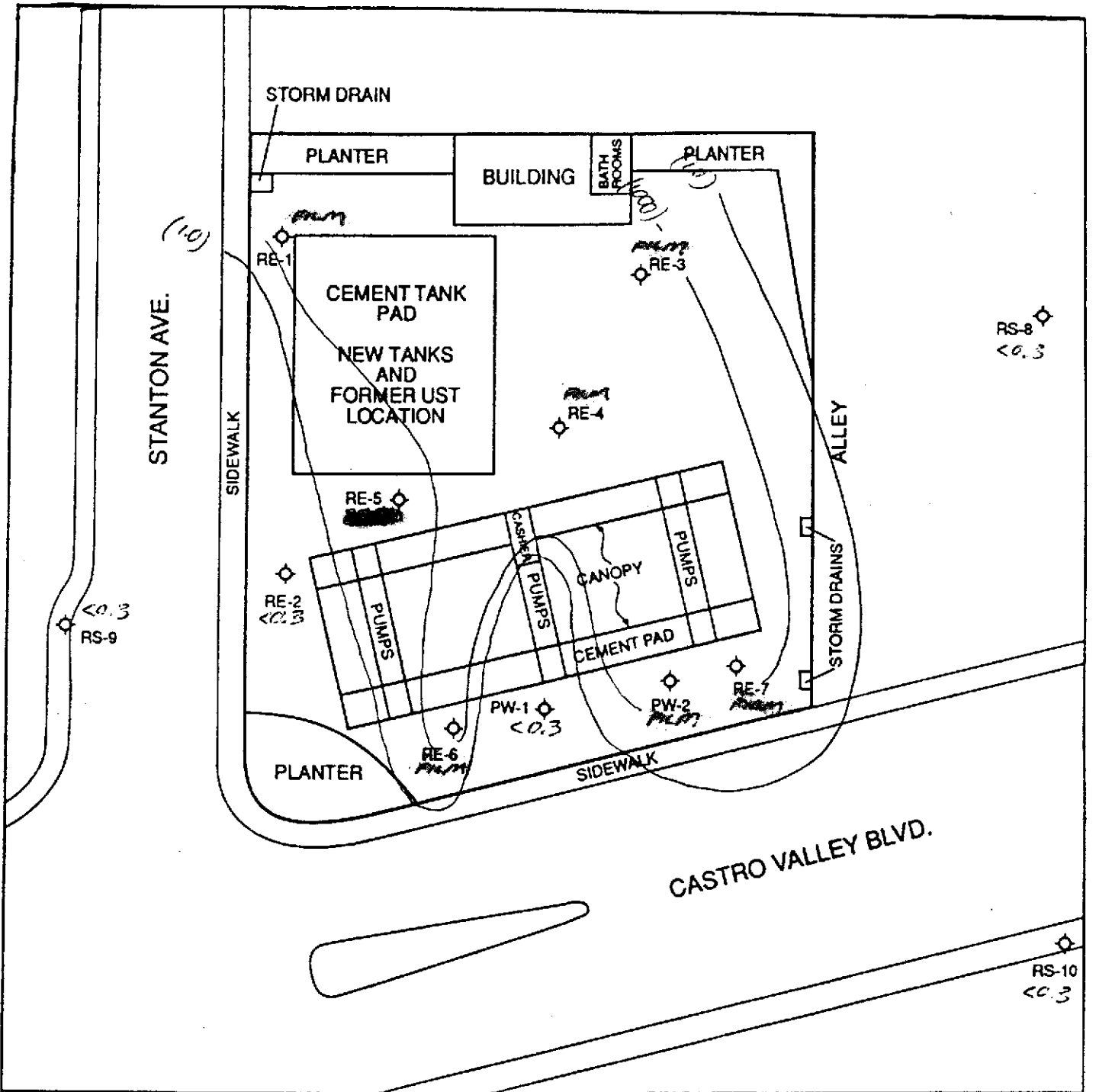
(TPH CONTOUR, 3/2/94, ppb)

◊ EXISTING MONITORING WELL



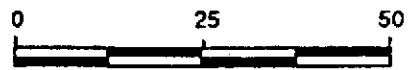
2





BENZENE CONTOUR MAP

THRIFTY OIL CO. #054
 CASTRO VALLEY, CALIFORNIA
 Prepared for
 THRIFTY OIL CO.
 DOWNEY, CALIFORNIA



SCALE IN FEET

(BENZENE CONTOUR, 3/2/94, pp6

◇ EXISTING MONITORING WELL



Table 1 - Summary of Analytical Results

I.D	Date	D-Wat	TPH	Benzene	Toluene	E-Benzene	Xylenes
PW-1 (166.46)	4/11/88	--	NSC				
	4/09/90	5.10	230000	600	2700	1000	16000
	10/30/90	6.17	35000	240	970	240	3580
	1/18/91	6.28	37000	43	140	42	1600
	2/12/91	5.88	45000	99	130	25	700
	3/20/91	4.75	1900	0.43	ND	ND	2.8
	5/22/91	5.10	41000	600	730	250	3800
	6/19/91	5.61	NSC				
	7/17/91	5.53(Film)	NSC				
	8/07/91	5.67(Film)	NSC				
	9/24/91	5.57(Film)	NSC				
	10/23/91	6.53(Film)	NSC				
	11/06/91	5.85(Film)	NSC				
	12/04/91	5.91(Film)	NSC				
	1/29/92	5.43(Film)	NSC				
	2/26/92	5.54(Film)	NSC				
	3/19/92	5.47	ND	ND	ND	ND	ND
	4/22/92	5.62(Film)	NSC				
	5/21/92	6.21	1300	19	2.9	0.7	58
	6/25/92	6.94	NSC				
	7/30/92	5.90(Film)	NSC				
	8/20/92	7.12(Film)	NSC				
	9/30/92	6.42	3400	57	ND	26	240
	12/23/92	5.56(Film)	NSC				
	3/10/93	5.65(Film)	NSC				
6/09/93	5.30	400	<0.5	1.1	<1.0	<1.0	
09/14/93	5.43	180	3.7	3.2	1.5	14.0	
12/14/93	4.65	<50	<0.3	<0.3	<0.3	<0.5	
03/02/94	5.43	<50	<0.3	<0.3	<0.3	<0.5	
PW-2 (166.18)	4/11/88	--	NSC				
	4/09/90	5.81	800000	1300	11000	4600	43000
	10/30/90	6.95	48000	310	51	10	480
	1/18/91	6.92	86000	230	1400	350	8300
	2/12/91	6.78	160000	680	1300	250	7000
	3/20/91	5.54	17000	34	50	ND	1100
	5/22/91	6.07	14000	57	2100	500	8200
	6/19/91	6.37(Film)	NSC				
	7/17/91	6.38(Film)	NSC				
	8/07/91	6.63(Film)	NSC				
	9/24/91	6.42(Film)	NSC				
	10/23/91	7.25(Film)	NSC				
	11/06/91	6.44(Film)	NSC				
	12/04/91	6.65(Film)	NSC				
	1/29/92	6.17(Film)	NSC				
	2/26/92	5.90(Film)	NSC				
	3/19/92	5.80(Film)	NSC				
	4/22/92	5.88(Film)	NSC				
	5/21/92	6.03(Film)	NSC				
	6/25/92	6.57(Film)	NSC				
	7/30/92	6.20(Film)	NSC				
	8/20/92	6.64(Film)	NSC				
	9/30/92	6.88(Film)	NSC				
	12/23/92	6.08(Film)	NSC				
	3/10/93	5.95(Film)	NSC				
6/09/93	5.38	3400	24	2.2	<0.5	240	
09/14/93	6.26	4900	190	15.0	6.8	480	
12/14/93	5.22	1700	4.2	<0.3	<0.3	<0.5	
03/02/94	5.75(Film)	NSC					

Results reported in micrograms per liter (ug/L)

NA - Not Analyzed.
 ND - Not Detected.
 TPH - Total Petroleum Hydrocarbons as gasoline.
 D-Wat - Depth to Water.
 NSC - No sample collected due to film or sheen of liquid phase hydrocarbons.

Table 1(CONT.) - Summary of Analytical Results

I.D	Date	D-Wat	TPH	Benzene	Toluene	E-Benzene	Xylenes	
RE-1 (166.82)	4/11/88	-	37000	1900	8400	1200	15000	
	4/09/90	4.99	45000	6100	7000	2000	8800	
	10/30/90	5.95	72000	7700	5300	1800	8900	
	1/18/91	5.17	150000	11000	14000	1800	4300	
	2/12/91	4.16	140000	11000	12000	1600	13000	
	3/20/91	4.75	53000	3100	4200	400	5500	
	5/22/91	4.42	85000	8700	10000	1800	12000	
	6/19/91	4.93	110000	8500	9600	2600	16000	
	7/17/91	5.19	5500	950	ND	26	ND	
	8/07/91	5.12	NA	6700	5000	ND	7100	
	9/24/91	5.87	60000	6800	4300	640	6900	
	10/23/91	5.81	79000	7900	8300	450	7100	
	11/06/91	5.56	130000	14000	15000	1100	8800	
	12/04/91	5.35	50000	8000	4700	520	4100	
	1/29/92	4.50	21000	10300	11000	780	6000	
	2/26/92	5.27	38000	8400	10500	720	7100	
	3/19/92	4.47	48000	6200	9700	780	7200	
	4/22/92	4.62	NSC					
	5/21/92	4.98	20000	7600	10100	830	6900	
	6/25/92	5.14(Film)	NSC					
	7/30/92	5.30(Film)	NSC					
	8/20/92	5.28(Film)	NSC					
	9/30/92	5.66(Film)	NSC					
	12/23/92	4.81(Film)	NSC					
	3/10/93	4.13(Film)	NSC					
	6/09/93	4.48(Film)	NSC					
	09/14/93	5.35	19000	3600	1100	740	4300	
	12/14/93	4.38	38000	4300	1300	<6.6	11.0	
	03/02/94	4.22(Film)	NSC					
	RE-2 (167.19)	4/11/88	-	NSC				
4/09/90		4.90	850	5.8	0.5	4.8	1.1	
10/30/90		5.34	440	2.8	0.91	13	3.14	
1/18/91		4.90	1100	8.4	3.1	ND	10	
2/12/91		4.94	1100	5.9	ND	0.77	ND	
3/20/91		4.32	550	4.3	ND	ND	ND	
5/22/91		4.43	1000	5.3	3.6	4.4	8.9	
6/19/91		6.43	700	2.1	1.4	3.8	3.5	
7/17/91		4.75	880	12.0	8.0	4.3	28.0	
8/07/91		4.87	NA	3.8	1.6	ND	ND	
9/24/91		5.50	670	7.2	7.1	ND	23	
10/23/91		5.63	2700	52	60	22	130	
11/06/91		5.14	1900	18	61	9.1	83	
12/04/91		5.26	1100	26	47	4.3	42	
1/29/92		5.11	900	14	24	5.3	19	
2/26/92		4.31	500	3.4	3.5	2.7	2.7	
3/19/92		4.45	1200	14	20	15	18	
4/22/92		4.78	200	ND	ND	ND	ND	
5/21/92		5.02	500	7.5	6.8	3.9	7.4	
6/25/92		5.13	ND	ND	0.9	0.7	ND	
7/30/92		5.19	500	7.7	8.6	3.2	1.7	
8/20/92		5.27	1100	6.6	4.5	2.7	2.0	
9/30/92		5.45	500	5.4	2.4	1.8	4.5	
12/23/92		4.60	800	1.9	ND	ND	2.3	
3/10/93		4.18	1200	ND	1.4	ND	2.1	
6/09/93		4.53	200	ND	ND	ND	ND	
09/14/93	5.26	360	1.6	1.1	3.2	8.9		
12/16/93	2.75	260	5.6	3.9	<0.3	21.0		
03/02/94	4.27	410	<0.3	<0.3	<0.3	<0.5		

Results reported in micrograms per liter (ug/L)

NA - Not Analyzed.
 ND - Not Detected.
 TPH - Total Petroleum Hydrocarbons as gasoline.
 D-Wat - Depth to Water.
 NSC - No sample collected due to film or sheen of liquid phase hydrocarbons.

Table 1 (CONT.) - Summary of Analytical Results

I.D	Date	D-Wat	TPH	Benzene	Toluene	Ethyl-Benzene	Xylenes
RE-3 (167.39)	4/11/88	--	70000	6600	5300	800	13000
	4/09/90	7.15	370000	2300	4900	3200	31000
	10/30/90	7.84	13000	860	660	220	2210
	1/18/91	6.90	42000	4700	4500	21	7700
	2/12/91	6.62	72000	3600	4500	ND	7600
	3/20/91	5.87	65000	2400	9400	50	9800
	5/22/91	5.98(Film)	NSC				
	6/19/91	6.84(Film)	NSC				
	7/17/91	7.10(Film)	NSC				
	8/07/91	7.30(Film)	NSC				
	9/24/91	7.84(Film)	NSC				
	10/23/91	8.07(Film)	NSC				
	11/06/91	7.63(Film)	NSC				
	12/04/91	7.83(Film)	NSC				
	1/29/92	7.17(Film)	NSC				
	2/26/92	5.56(Film)	NSC				
	3/19/92	5.44(Film)	NSC				
	4/22/92	6.56(Film)	NSC				
	5/21/92	6.90(Film)	NSC				
	6/25/92	7.18(Film)	NSC				
7/30/92	6.80(Film)	NSC					
8/20/92	7.25(Film)	NSC					
9/30/92	7.68(Film)	NSC					
12/23/92	6.07(Film)	NSC					
3/10/93	5.66(Film)	NSC					
6/10/93	6.66(Film)	NSC					
09/14/93	7.30	40000	2900	1500	180	6900	
12/14/93	5.95	NSC					
03/02/94	5.08	NSC					
RE-4 (166.94)	4/11/88	--	150000	12000	8000	1000	27000
	4/09/90	--	NSC				
	10/30/90	7.04	87000	7200	10000	1600	12900
	1/18/91	11.62	70000	5000	5400	790	9900
	2/12/91	11.63	87000	5200	2800	240	11000
	3/20/91	11.81	6500	370	230	17	670
	5/22/91	10.3(Film)	NSC				
	6/19/91	11.1(Film)	NSC				
	7/17/91	6.20(Film)	NSC				
	8/07/91	8.15(Film)	NSC				
	9/24/91	10.4(Film)	NSC				
	10/23/91	11.2(Film)	NSC				
	11/06/91	6.62(Film)	NSC				
	12/04/91	11.2(Film)	NSC				
	1/29/92	7.72(Film)	NSC				
	2/26/92	5.13(Film)	NSC				
	3/19/92	5.00(Film)	NSC				
	4/22/92	5.94(Film)	NSC				
	5/21/92	5.40(Film)	NSC				
	8/25/92	5.71(0.02)	NSC				
7/30/92	6.33(Film)	NSC					
8/20/92	5.80(Film)	NSC					
9/30/92	6.34(Film)	NSC					
12/23/92	5.50(Film)	NSC					
3/10/93	4.67(Film)	NSC					
6/09/93	5.12(Film)	NSC					
09/14/93	10.44	NSC					
12/14/93	7.52	NSC					
03/02/94	4.85	NSC					

Results reported in micrograms per liter (ug/L)

- NA - Not Analyzed.
 ND - Not Detected.
 TPH - Total Petroleum Hydrocarbons as gasoline.
 D-Wat - Depth to Water.
 NSC - No sample collected due to film or sheen of liquid phase hydrocarbons.

Table 1 (CONT.) - Summary of Analytical Results

I.D	Date	D-Wat	TPH	Benzene	Toluene	Ethyl-Benzene	Xylenes	
RE-5 (166.51)	4/11/88	-	14000	1300	1100	100	2600	
	4/09/90	4.79	3000	690	190	40	270	
	10/30/90	5.86	3400	910	48	87	249	
	1/18/91	4.40	1400	180	8.6	0.52	48	
	2/12/91	4.76	1000	ND	ND	0.65	ND	
	3/20/91	5.08	3000	250	53	ND	110	
	5/22/91	4.52	2500	330	7.8	5.6	200	
	6/19/91	4.39	2000	59	1.6	5.1	110	
	7/17/91	5.05(Film)	NSC					
	8/07/91	5.02(Film)	NSC					
	9/24/91	5.86(Film)	NSC					
	10/23/91	5.84(Film)	NSC					
	11/06/91	5.48	9900	2300	37	260	160	
	12/04/91	5.43	4500	1000	27	ND	180	
	1/29/92	5.12	600	6.1	2.3	ND	47	
	2/26/92	4.93	500	5.4	2.7	1.2	14	
	3/19/92	4.45	ND	1.7	1.1	ND	5.5	
	4/22/92	4.63	1600	240	2.2	ND	160	
	5/21/92	4.90	1200	410	37	ND	118	
	6/25/92	5.15	ND	1.0	0.8	0.8	0.4	
	7/30/92	5.30	ND	2.0	1.8	1.9	6.4	
	8/20/92	5.44	300	1.7	3.3	0.7	12	
	9/30/92	5.73	1900	140	ND	19	35	
	12/23/92	4.75	400	8.0	ND	ND	ND	
	3/10/93	4.14	1100	290	9.7	ND	75	
	6/09/93	5.42	400	1.5	0.5	ND	12	
	09/14/93	5.53	240	6.9	8.8	1.4	67	
	12/14/93	4.78	3300	510	5.4	4.1	55	
	03/02/94	4.20	2400	270	4.5	<0.3	13	
RE-6 (166.51)	4/11/88	-	6000	3000	40	80	140	
	4/09/90	5.64	3000	990	ND	70	ND	
	10/30/90	6.68	3400	1000	28	ND	ND	
	1/18/91	6.61	6300	1200	ND	3	15	
	2/12/91	6.20	5200	850	8.4	4.9	41	
	3/20/91	5.62	5800	680	12	8	16	
	5/22/91	6.05	8500	1700	14	24	6.7	
	6/19/91	6.12(Film)	NSC					
	7/17/91	6.20	120000	9300	13000	2400	16000	
	8/07/91	6.27	NA	590	5.3	ND	14	
	9/24/91	6.63	7000	310	11	5.3	35	
	10/23/91	6.36(Film)	NSC					
	11/06/91	6.15	4000	710	18	29	49	
	12/04/91	6.19	4100	1100	14	33	39	
	1/29/92	6.70	2600	790	14	ND	49	
	2/26/92	5.44	3100	950	21	30	33	
	3/19/92	5.30	2200	630	14	12	40	
	4/22/92	6.00	NA	730	2.2	ND	40	
	5/21/92	6.25	1500	840	7.8	7.1	34	
	6/25/92	6.38	<2000	740	8	27	28	
	7/30/92	6.42(Film)	NSC					
	8/20/92	6.50	2800	630	17	23	22	
	9/30/92	6.66	7800	540	ND	12	29	
	12/23/92	5.83	1800	350	ND	7.7	11	
	3/10/93	5.63	3000	830	5.6	19	16	
	6/09/93	6.01	4800	920	6.2	3.2	12	
	09/14/93	6.53	3600	660	7.5	11	27	
	12/14/93	3.58	1500	200	<0.3	<0.3	8.8	
	03/02/94	5.12	NSC					

Results reported in micrograms per liter (ug/L)

NA - Not Analyzed.
 ND - Not Detected.
 TPH - Total Petroleum Hydrocarbons as gasoline.
 D-Wat - Depth to Water.
 NSC - No sample collected due to film or sheen of liquid phase hydrocarbons.

Table 1 (CONT.) - Summary of Analytical Results

I.D	Date	E-Wat	TPH	Benzene	Toluene	Ethyl-Benzene	Xylenes
RE-7 (166.04)	4/11/88	—	<50000	17000	4400	600	8400
	4/05/90	5.93	16000	7000	1200	640	1600
	10/30/90	8.21	31000	14000	ND	ND	ND
	1/18/91	11.8(Film)	NSC				
	2/12/91	10.8(Film)	NSC				
	3/20/91	9.96	120000	12000	2800	490	6600
	5/22/91	11.7(Film)	NSC				
	6/19/91	11.5(Film)	NSC				
	7/17/91	7.80(Film)	NSC				
	8/07/91	9.88(0.03)	NSC				
	9/24/91	9.85(0.03)	NSC				
	10/23/91	9.96(Film)	NSC				
	11/06/91	6.77(Film)	NSC				
	12/04/91	10.8(Film)	NSC				
	1/29/92	8.64(Film)	NSC				
	2/26/92	6.00(Film)	NSC				
	3/19/92	5.55(Film)	NSC				
	4/22/92	6.12(Film)	NSC				
	5/21/92	6.40(Film)	NSC				
	6/25/92	6.73(0.02)	NSC				
	7/30/92	6.73(Film)	NSC				
	8/20/92	6.82(Film)	NSC				
	9/30/92	7.26(Film)	NSC				
12/23/92	6.22(Film)	NSC					
3/10/93	5.82(Film)	NSC					
6/09/93	6.17(Film)	NSC					
09/14/93	11.33	NSC					
12/14/93	8.40	NSC					
03/02/94	6.82	NSC					
RS-8 (164.32)	8/07/91	9.68	ND	ND	ND	ND	ND
	9/27/91	9.89	ND	ND	ND	ND	ND
	10/23/91	10.05	ND	ND	ND	ND	ND
	11/06/91	9.71	ND	ND	ND	ND	ND
	12/04/91	10.00	ND	ND	ND	ND	ND
	1/29/92	9.28	ND	2.1	1.0	2.5	3.8
	2/26/92	7.05	ND	ND	0.7	ND	0.7
	3/19/92	7.30	ND	0.5	1.0	1.5	2.7
	4/22/92	8.60	ND	ND	ND	ND	ND
	5/21/92	9.22	ND	ND	ND	ND	ND
	6/25/92	9.49	ND	ND	ND	ND	ND
	7/30/92	9.55	ND	1.1	4.2	ND	3.0
	8/20/92	9.63	ND	2.0	4.7	ND	5.7
	9/30/92	9.90	ND	ND	ND	ND	ND
	12/23/92	9.96	ND	ND	ND	ND	ND
	3/10/93	8.95	ND	ND	ND	ND	ND
	6/09/93	9.00	ND	ND	ND	ND	ND
	09/14/93	9.50	200	0.3	ND	ND	ND
12/14/93	8.75	ND	ND	ND	ND	ND	
03/02/94	7.52	<50	<0.3	<0.3	<0.3	<0.5	

Results reported in micrograms per liter (ug/L)

- NA - Not Analyzed.
- ND - Not Detected.
- TPH - Total Petroleum Hydrocarbons as gasoline.
- D-Wat - Depth to Water.
- NSC - No sample collected due to film or sheen of liquid phase hydrocarbons.

Table 1 (CONT.) - Summary of Analytical Results

I.D	Date	E-Wat	TPH	Benzene	Toluene	Ethyl-Benzene	Xylenes
RS-9 (167.51)	8/07/91	2.28	NA	0.5	ND	330	1200
	9/27/91	2.77	13000	3.5	3.0	82	140
	10/23/91	3.53	11000	ND	ND	39	340
	11/06/91	2.51	6800	8.4	0.6	22	230
	12/04/91	3.20	6500	6.5	0.7	87	200
	1/29/92	2.65	8100	22	10	140	260
	2/26/92	3.42	13000	40	16	220	600
	3/19/92	3.12	12000	21	12	100	280
	4/22/92	3.24	8600	ND	ND	20	37
	5/21/92	3.75	6000	21	10	53	210
	6/25/92	2.65	370	2.3	1.5	0.7	4.3
	7/30/92	2.70	3600	20	ND	39	80
	8/20/92	2.83	3000	0.7	5.2	2.0	5.3
	9/30/92	2.80	9200	4.8	6.5	12	91
	12/23/92	2.45	2000	17	ND	8.2	18
	3/10/93	2.40	1500	ND	2.6	21	12
	6/09/93	3.55	1300	0.6	1.7	ND	7.5
	09/14/93	2.81	1500	1.3	7.6	4.1	14.0
	12/14/93	2.63	560	ND	ND	ND	5.5
	03/02/94	2.60	1100	<0.3	<0.3	<0.3	<0.5

Results reported in micrograms per liter (ug/L)

- NA - Not Analyzed.
- ND - Not Detected.
- TPH - Total Petroleum Hydrocarbons as gasoline.
- D-Wat - Depth to Water.
- NSC - No sample collected due to film or sheen of liquid phase hydrocarbons.

Table 1(CONT.) - Summary of Analytical Results

I.D	Date	D-Wat	TPH	Benzene	Toluene	Ethyl-Benzene	Xylenes
RS10 (162.89)	8/07/91	6.16	ND	ND	ND	ND	ND
	9/27/01	6.48	ND	ND	ND	ND	ND
	10/23/91	7.37	ND	ND	ND	ND	ND
	11/06/91	6.44	ND	ND	ND	ND	ND
	12/04/91	7.02	ND	ND	ND	ND	ND
	1/29/92	6.78	ND	ND	ND	ND	ND
	2/26/92	8.33	ND	ND	ND	ND	ND
	3/19/92	8.02	ND	ND	ND	ND	0.6
	4/22/92	7.78	ND	ND	ND	ND	ND
	5/21/92	6.21	ND	ND	0.6	ND	1.2
	6/25/92	7.73	ND	ND	ND	ND	ND
	7/30/92	7.84	ND	ND	0.5	ND	1.0
	8/20/92	7.50	ND	ND	ND	ND	ND
	9/30/92	7.63	ND	ND	ND	ND	ND
	12/23/92	7.24	ND	ND	ND	ND	ND
	3/10/93	6.38	ND	ND	ND	ND	ND
	6/09/93	7.98	ND	ND	ND	ND	ND
	09/14/93	7.35	ND	ND	ND	ND	ND
	03/02/94	7.00	<50	<0.3	<0.3	<0.3	<0.3

Results reported in micrograms per liter (ug/L)

NA - Not Analyzed.

ND - Not Detected.

TPH - Total Petroleum Hydrocarbons as gasoline.

D-Wat - Depth to Water.

NSC - No sample collected due to film or sheen of liquid phase hydrocarbons.

TABLE 2
Summary of Influent/Effluent Analyses
Thrifty Oil Co. Station #054
Castro Valley, CA
(Concentrations in ug/L)

Date	TPH	Benzene	Toluene	E-benzene	Xylenes
INFLUENT					
10/21/93	38000	7900	610	110	2800
11/17/93	53000	6700	250	< 6.6	11
12/15/93	27000	2300	950	42	4300
02/24/94	28000	2100	1000	< 2.6	5000
03/14/94	56000	3300	2100	< 44	6500
EFFLUENT					
10/21/93	< 50	< 0.3	< 0.3	< 0.3	< 0.5
11/17/93	< 50	< 0.3	< 0.3	< 0.3	< 0.5
12/15/93	< 50	< 0.3	< 0.3	< 0.3	< 0.5
02/24/94	< 50	< 0.3	< 0.3	< 0.3	< 0.5
03/14/94	< 50	< 0.3	< 0.3	< 0.3	< 0.5
TPH - Total Hydrocarbons as Gasoline, EPA 8015m. < 0.3 - Constituent less than detection limit stated. ug/L - Micrograms per liter or parts per billion.					

APPENDIX A



PROJECT STATUS REPORT
 THRIFTY OIL CO. S.S. #054
 2504 CASTRO VALLEY BLVD.
 CASTRO VALLEY, CA 94546
 DATE: 03.02.1994

FREQ.	MONITORING				ODORS			FREE		WELLS CONNECTED TO SYSTEM (W)							
	OBSERVATION WELLS				(S=SLIGHT)			PRODUCT		CONNECT		INTEGRITY		VAPOR		WATER	
	NO.	DTW	DTP	PT	YES	NO	S	YES	NO	YES	NO	OK	NO	ON	OFF	ON	OFF
M	PW-1	5.43				Y			Y		X	-	Y		X		
M	PW-2	5.75	SHEN				Y		Y		X	-	Y		X		
M	RE-1	4.22	SHEN				Y		Y		X	-	Y		X		
M	RE-2	4.27				Y			Y		X	-	Y		X		
M	RE-3	5.08	SHEN				Y		Y		X	-	Y		X		
M	RE-4	4.85	Flm		X				Y		X	-	Y		X		Y
M	RE-5	4.20				X			Y		X	-	Y		X		
M	RE-6	5.12	Flm		X				Y		X	-	Y		X		
M	RE-7	6.82	Flm		Y				Y		X	-	Y		X		Y
M	RS-8	7.52				Y			Y		-	X	X				
M	RS-9	2.60				Y			Y		-	X	X				
M	RS-10	7.00				X			Y		-	X	Y				

SAVE SYSTEM			WEEKLY		
PARAMETER	U/M	DATA	PARAMETER	U/M	DATA
TIME	AM/PM		AIR FLOW	C F M	
WORKING	YES/NO	No	VAPOR FLOW	C F M	
RESTARTED	YES/NO	No	FUEL FLOW	C F M/H	
HOURS	#		WELL VACUUM	IN H2O	
ENGINE ROT.	RPM		L P G TANKS	#	#1:
ENGINE VACUUM	IN HG		GAS METER READING	-	N/A
TANK VACUUM	IN HG		WATER FLOWMETER	GALL.	

EXHAUST (By others)				
INLET TO ENGINE				
MAINTENANCE	ES/100/400/800		FOR SPECIFIC OPERATIONS SEE FIELD RECORD	
WATER SAMPLING - CHECK (✓) WHEN DONE				
EFFLUENT		INFLUENT		WELLS
()	()	()	()	() Q.-SEE C.CUST.
REMARKS:				
FREE PRODUCT REMOVED: APPROX. _____ GALLONS			WATER REMOVED: APPROX. 123 GALLONS	
DATA RECORDED BY: E-GASMAX			INPUT BY: M.M. >FF\054rsirt	



FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

DATE 03/02/94 STATION NO. 054
 PERSONNEL E. CASMAN, FLORIN STICU
 WELL NO. R5-9 WEATHER SUNNY
 SAMPLE EQUIPMENT TEFLOH BAIER

Before Sampling

Total Well Depth 15 Ft. Well Diameter 2"
 Depth to Water 260 Ft. Purge Volume 8 gallons

Sampling Data

Time	<u>13:00</u>	<u>13:05</u>	<u>13:10</u>	<u>13:15</u>	<u>13:20</u>	_____	_____
EC	<u>920</u>	<u>890</u>	<u>880</u>	<u>870</u>	<u>870</u>	_____	_____
pH	<u>7.55</u>	<u>7.60</u>	<u>7.57</u>	<u>7.56</u>	<u>7.56</u>	_____	_____
Temp	<u>68.8</u>	<u>66.5</u>	<u>66.1</u>	<u>66.1</u>	<u>66.1</u>	_____	_____
Gal.	<u>2</u>	<u>3</u>	<u>4</u>	<u>6</u>	<u>8</u>	_____	_____
Time	_____	_____	_____	_____	_____	_____	_____
EC	_____	_____	_____	_____	_____	_____	_____
pH	_____	_____	_____	_____	_____	_____	_____
Temp	_____	_____	_____	_____	_____	_____	_____
Gal.	_____	_____	_____	_____	_____	_____	_____

After Sampling

Depth to Water 2.89 Ft. Total Well Depth 15 Ft.



FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

DATE 03/02/1994 STATION NO. 054
 PERSONNEL E. GASMAN, FLORIN STETCO
 WELL NO. RS-8 WEATHER SUNNY
 SAMPLE EQUIPMENT TETRAOX BAILER

Before Sampling

Total Well Depth 25.20 Ft. Well Diameter 2"
 Depth to Water 7.52 Ft. Purge Volume 12 gallons

Sampling Data

Time	<u>13:35</u>	<u>13:40</u>	<u>13:45</u>	<u>13:50</u>	<u>13:55</u>		
EC	<u>1350</u>	<u>1340</u>	<u>1310</u>	<u>1240</u>	<u>1240</u>		
pH	<u>7.63</u>	<u>7.59</u>	<u>7.57</u>	<u>7.53</u>	<u>7.52</u>		
Temp	<u>71.0</u>	<u>69.7</u>	<u>68.3</u>	<u>67.5</u>	<u>67.5</u>		
Gal.	<u>4</u>	<u>6</u>	<u>8</u>	<u>10</u>	<u>12</u>		
Time							
EC							
pH							
Temp							
Gal.							

After Sampling

Depth to Water 8.10 Ft. Total Well Depth 25.20 Ft.



FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

DATE 03.02.94 STATION NO. P54
 PERSONNEL E. GARMAN, FROBIN STETCU
 WELL NO. RS-10 WEATHER SUNNY
 SAMPLE EQUIPMENT TEFNON BAILER

Before Sampling

Total Well Depth 24.45 Ft. Well Diameter 2'
 Depth to Water 7.00 Ft. Purge Volume 11 galley

Sampling Data

Time	<u>14:10</u>	<u>14:15</u>	<u>14:20</u>	<u>14:25</u>	<u>14:30</u>	_____	_____
EC	<u>5100</u>	<u>5040</u>	<u>4930</u>	<u>4930</u>	<u>4930</u>	_____	_____
pH	<u>7.27</u>	<u>7.20</u>	<u>7.21</u>	<u>7.20</u>	<u>7.20</u>	_____	_____
Temp	<u>70</u>	<u>70</u>	<u>68.</u>	<u>67.9</u>	<u>67.8</u>	_____	_____
Gal.	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	_____	_____
Time	_____	_____	_____	_____	_____	_____	_____
EC	_____	_____	_____	_____	_____	_____	_____
pH	_____	_____	_____	_____	_____	_____	_____
Temp	_____	_____	_____	_____	_____	_____	_____
Gal.	_____	_____	_____	_____	_____	_____	_____

After Sampling

Depth to Water 8.03 Ft. Total Well Depth 24.45 Ft.



FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

DATE 03/02/94 STATION NO. 054
 PERSONNEL E. GARMAN, FLORIN & FETCU
 WELL NO. RE2 WEATHER SUNNY
 SAMPLE EQUIPMENT TEFLON BAKER

Before Sampling

Total Well Depth 17.10 Ft. Well Diameter 4"
 Depth to Water 4.27 Ft. Purge Volume 33 gallons

Sampling Data

Time	<u>14:50</u>	<u>14:55</u>	<u>15:00</u>	<u>15:05</u>	<u>15:10</u>	<u>15:15</u>	<u>15:20</u>
EC	<u>880</u>	<u>830</u>	<u>840</u>	<u>860</u>	<u>860</u>	<u>860</u>	<u>860</u>
pH	<u>7.70</u>	<u>7.60</u>	<u>7.48</u>	<u>7.40</u>	<u>7.37</u>	<u>7.35</u>	<u>7.35</u>
Temp	<u>69.4</u>	<u>68.0</u>	<u>67.6</u>	<u>67.6</u>	<u>67.6</u>	<u>67.7</u>	<u>67.6</u>
Gal.	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>33</u>
Time	_____	_____	_____	_____	_____	_____	_____
EC	_____	_____	_____	_____	_____	_____	_____
pH	_____	_____	_____	_____	_____	_____	_____
Temp	_____	_____	_____	_____	_____	_____	_____
Gal.	_____	_____	_____	_____	_____	_____	_____

After Sampling

Depth to Water 5.10 Ft. Total Well Depth 17.10 Ft.



FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

DATE 03.02-94 STATION NO. 054
 PERSONNEL E. GARMAN, FLORIN FETCO
 WELL NO. RE: 5 WEATHER SUNNY
 SAMPLE EQUIPMENT TEFLON BAILER

Before Sampling

Total Well Depth 18.25 Ft. Well Diameter 4"
 Depth to Water 4.20 Ft. Purge Volume 36 gallons

Sampling Data

Time	15:40	15:45	15:50	16:00	16:05	16:10	16:15
EC	1020	1020	1010	1000	990	990	990
pH	7.45	7.21	7.22	7.20	7.18	7.18	7.18
Temp	67.00	66.5	66	65.6	65.4	65.5	65.4
Gal.	5	10	15	20	25	30	36
Time	_____	_____	_____	_____	_____	_____	_____
EC	_____	_____	_____	_____	_____	_____	_____
pH	_____	_____	_____	_____	_____	_____	_____
Temp	_____	_____	_____	_____	_____	_____	_____
Gal.	_____	_____	_____	_____	_____	_____	_____

After Sampling

Depth to Water 5:31 Ft. Total Well Depth 18.25 Ft.



FIELD DATA - GROUNDWATER WELL SAMPLING PROGRAM

DATE 03.02.94 STATION NO. 054
 PERSONNEL EUGENIU GARMAN, FLORIN STETCU
 WELL NO. PW 1 WEATHER SUNNY
 SAMPLE EQUIPMENT TEFLON BAILO

Before Sampling

Total Well Depth 14.10 Ft. Well Diameter 4"
 Depth to Water 5.43 Ft. Purge Volume 23 gallons

Sampling Data

Time	<u>16:35</u>	<u>16:40</u>	<u>16:45</u>	<u>16:50</u>	<u>16:55</u>	<u>17:00</u>	<u>17:05</u>
EC	<u>200</u>	<u>190</u>	<u>190</u>	<u>203</u>	<u>203</u>	<u>205</u>	<u>205</u>
pH	<u>8.43</u>	<u>8.30</u>	<u>8.29</u>	<u>7.90</u>	<u>7.65</u>	<u>7.65</u>	<u>7.60</u>
Temp	<u>68.0</u>	<u>67.7</u>	<u>67.1</u>	<u>67</u>	<u>66.8</u>	<u>67</u>	<u>67</u>
Gal.	<u>5</u>	<u>8</u>	<u>11</u>	<u>15</u>	<u>18</u>	<u>20</u>	<u>23</u>
Time	_____	_____	_____	_____	_____	_____	_____
EC	_____	_____	_____	_____	_____	_____	_____
pH	_____	_____	_____	_____	_____	_____	_____
Temp	_____	_____	_____	_____	_____	_____	_____
Gal.	_____	_____	_____	_____	_____	_____	_____

After Sampling

Depth to Water 6.10 Ft. Total Well Depth 14.10 Ft.



PROJECT STATUS REPORT
 THRIFTY OIL CO. S.S. #054
 2504 CASTRO VALLEY BLVD.
 CASTRO VALLEY, CA 94546
 DATE: 03/14/1994

F R E Q .	M O N I T O R I N G				O D O R S			F R E E		W E L L S C O N N E C T E D T O S Y S T E M (W)							
	O B S E R V A T I O N W E L L S				(S = S L I G H T)			P R O D U C T		C O N N E C T		I N T E G R I T Y		V A P O R		W A T E R	
	NO.	DTW	DTP	PT	YES	NO	S	YES	NO	YES	NO	OK	NO	ON	OFF	ON	OFF
M	PW-1	5.75				Y		Y		X	-						
M	PW-2	6.12	8H2N				Y	Y		X	-						
M	RE-1	4.48	8H2N			X		X		X	-						
M	RE-2	3.73				Y		Y		X	-						
M	RE-3	5.50	8H2N				X	Y		X	-						
M	RE-4	10.02	Flu		X			Y		X	-						
M	RE-5	3.79				Y		Y		X	-						
M	RE-6	4.75	Flu		X			Y		X	-						
M	RE-7	11.60	Flu		X			Y		X	-						
M	RS-8	8.10				Y		X		-	X						
M	RS-9	3.72				Y		X		-	X						
M	RS-10	6.43				X		X		-	X						

S A V E S Y S T E M			W E E K L Y		
PARAMETER	U/M	DATA	PARAMETER	U/M	DATA
TIME	AM/PM	12:00	AIR FLOW	C F M	12
WORKING	YES/NO	NO	VAPOR FLOW	C F M	25
RESTARTED	YES/NO	YES	FUEL FLOW	C F M/H	55
HOURS	#	5257	WELL VACUUM	IN H2O	22
ENGINE ROT.	RPM	1800	L P G T A N K S	#	#1: 87
ENGINE VACUUM	IN HG	11	GAS METER READING	-	N/A
TANK VACUUM	IN HG	15	WATER FLOWMETER	GALL.	4618

EXHAUST (By others)				
INLET TO ENGINE				
MAINTENANCE	ES/100/400/800		FOR SPECIFIC OPERATIONS SEE FIELD RECORD	
W A T E R S A M P L I N G - C H E C K (<input checked="" type="checkbox"/>) W H E N D O N E				
EFFLUENT		INFLUENT		WELLS
()	(<input checked="" type="checkbox"/>)	(<input checked="" type="checkbox"/>)	()	Q.-SEE C.CUST.
REMARKS: B/W air sampling				
FREE PRODUCT REMOVED: APPROX. GALLONS			WATER REMOVED: APPROX. GALLONS	
DATA RECORDED BY: E. GASTON			INPUT BY: M.M. > FF\054rsirt	

PARAMETER	U/M			
TIME	AM/PM	10:30		
WORKING	YES/NO	YES		
RESTARTED	YES/NO	NO		
HOURS ²	#	4313		
ENGINE ROT.	RPM	1800		
ENGINE VACUUM	IN HG	9		
ENG. OIL PRESS.	PSI	45		
ENG. WATER TEMP.	°F	160		
ENG. ELECTR. TENS.	VOLTS	13		
TANK VACUUM	IN HG	10		
TK. REC. PRES.	PSI	25		
TK. REC. TEMP.	°F	110		
AIR TEMPERATURE	°F	58		
AIR FLOW	CFM	14		
VAPOR FLOW	CFM	18		
FUEL FLOW	CFM/H	75		
WELL VACUUM	IN H2O	26		
LPG TANKS	%	#1: 47 #2:		
GAS METER READING				
WATER FLOWMETER	GALL.	3522		
CATALYST IN TEMP.	°F			
CATALYST OUT TEMP.	°F			
EXHAUST (See permit and PSR for frequency and limits)	BY C.A.	H-C	ppm/%	
		CO	%/ppm	
		CO2	%	
		O2	%	
		NOX	%/ppm	
	BY	O.V.	ppm	
OUTLET FROM ENGINE	O.V.	ppm		
INLET TO ENGINE	O.V.	ppm		

MAINTENANCE RECORD				
Operation	Each Stop	100 Hours Week	400 Hours 2 Weeks	800 Hours Monthly
Oil, Engine, Check Level				
Coolant, Check Level				
Fuel, Oil, Coolant, Check for Leaks				
Oil, Engine, Change		X		
Oil, Filter, Change		X		
Battery, Check Charge and Fluid		X		
Battery Cables, Clean		X		
P.T.O. Bearings, Lubricate		X		
Fan, Alternator Belts, Check and Adjust		X		
Idle Speed, Check		X		
Idle Mixture, Check		X		
Radiator, Inspect and Clean Exterior				
Distributor, Clean and Check Points				
Ignition Timing, Check and Adjust				
PCV Valve, Replace				
PCV Hoses and Fitting, Check				
Spark Plugs, Replace				
Points, Replace				
Oil, Vacuum Pump, Change				
Intake Manifold Bolts, Torque				
All Nuts and Bolts, Check				
Comments: _____				

READJUST ENGINE PARAMETERS AT LEAST ONCE PER MONTH (IGNITION TIMING, AIR TO FUEL RATIO, EXHAUST O2 AND TEMP., NOX, HC & CO). CHECK HERE () WHEN DONE

INSPECT CATALYST (See permit and PSR for frequency). CHECK HERE () O.K. () NO

CHANGE CATALYST (See permit and PSR for limits). CHECK HERE () WHEN REPLACED

VAPOR WELLS ON: ALL WATER WELLS ON: RE-4; RE 7

SERVICE TECH: E. CASMAN DATE: 01/03/94 THRIFTY OIL CO. ss #: 054

SAVE SYSTEM OPERATING DATA

FIELD STATUS REPORT

PARAMETER	U/M			
TIME	AM/PM	11:00		
WORKING	YES/NO	YES		
RESTARTED	YES/NO	NO		
HOURS ^F	#	4484		
ENGINE ROT.	RPM	1700		
ENGINE VACUUM	IN HG	9		
ENG. OIL PRESS.	PSI	45		
ENG. WATER TEMP.	°F	160		
ENG. ELECTR. TENS.	VOLTS	13		
TANK VACUUM	IN HG	10		
TK. REC. PRES.	PSI	20		
TK. REC. TEMP.	°F	110		
AIR TEMPERATURE	°F	60		
AIR FLOW	CFM	13		
VAPOR FLOW	CFM	17		
FUEL FLOW	CFM/H	70		
WELL VACUUM	IN H2O	26		
LPG TANKS	%	#1: 45 #2:		
GAS METER READING				
WATER FLOWMETER	GALL.	3650		
CATALYST IN TEMP.	°F			
CATALYST OUT TEMP.	°F			
EXHAUST (See permit and PSR for frequency and limits)	BY C.A.	H-C	ppm/%	
		CO	%/ppm	
		CO2	%	
		O2	%	
		NOX	%/ppm	
	BY	O.V.	ppm	
OUTLET FROM ENGINE	O.V.	ppm		
INLET TO ENGINE	O.V.	ppm		

MAINTENANCE RECORD				
Operation	Each Stop	100 Hours Week	400 Hours 2 Weeks	800 Hours Monthly
Oil, Engine, Check Level				
Coolant, Check Level				
Fuel, Oil, Coolant, Check for Leaks				
Oil, Engine, Change				✓
Oil, Filter, Change				✓
Battery, Check Charge and Fluid				✓
Battery Cables, Clean				✓
P.T.O. Bearings, Lubricate				✓
Fan, Alternator Belts, Check and Adjust				✓
Idle Speed, Check				✓
Idle Mixture, Check				✓
Radiator, Inspect and Clean Exterior				✓
Distributor, Clean and Check Points				✓
Ignition Timing, Check and Adjust				✓
PCV Valve, Replace				
PCV Hoses and Fitting, Check				✓
Spark Plugs, Replace				✓
Points, Replace				
Oil, Vacuum Pump, Change				
Intake Manifold Bolts, Torque				✓
All Nuts and Bolts, Check				✓
Comments: B/W air sampling.				

READJUST ENGINE PARAMETERS AT LEAST ONCE PER MONTH (IGNITION TIMING, AIR TO FUEL RATIO, EXHAUST O2 AND TEMP., NOX, HC & CO). CHECK HERE () WHEN DONE

INSPECT CATALYST (See permit and PSR for frequency). CHECK HERE (✓) O.K. () NO

CHANGE CATALYST (See permit and PSR for limits). CHECK HERE () WHEN REPLACED

VAPOR WELLS ON: ALL WATER WELLS ON: RE-4 + RE-7

SERVICE TECH: E. GASMAN DATE: 01/10/94 THRIFTY OIL CO. SS #: 054

PARAMETER	U/M			
TIME	AM/PM	12:30		
WORKING	YES/NO	No		
RESTARTED	YES/NO	YES		
HOURS	#	4490		
ENGINE ROT.	R P M	1900		
ENGINE VACUUM	IN HG	9		
ENG. OIL PRESS.	P S I	45		
ENG. WATER TEMP.	°F	150		
ENG. ELECTR. TENS.	VOLTS	15		
TANK VACUUM	IN HG	10		
TK. REC. PRES.	PSI	25		
TK. REC. TEMP.	°F	90		
AIR TEMPERATURE	°F	56		
AIR FLOW	C F M	13		
VAPOR FLOW	C F M	20		
FUEL FLOW	C F M/H	80		
WELL VACUUM .	IN H2O	22		
L P G TANKS	%	#1: 87 #2:		
GAS METER READING				
WATER FLOWMETER	GALL.	3661		
CATALYST IN TEMP.	°F			
CATALYST OUT TEMP.	°F			
EXHAUST <small>(See permit and PSR for frequency and limits)</small>	BY C.A.	H-C	ppm/%	
		CO	%/ppm	
		CO2	%	
		O2	%	
	BY	O.V.	ppm	
OUTLET FROM ENGINE	O.V.	ppm		
INLET TO ENGINE	O.V.	ppm		

MAINTENANCE RECORD

Operation	Each Stop	100 Hours Week	400 Hours 2 Weeks	800 Hours Monthly
Oil, Engine, Check Level	✓			
Coolant, Check Level	✓			
Fuel, Oil, Coolant, Check for Leaks	✓			
Oil, Engine, Change				
Oil, Filter, Change				
Battery, Check Charge and Fluid				
Battery Cables, Clean				
P.T.O. Bearings, Lubricate				
Fan, Alternator Belts, Check and Adjust				
Idle Speed, Check				
Idle Mixture, Check				
Radiator, Inspect and Clean Exterior				
Distributor, Clean and Check Points				
Ignition Timing, Check and Adjust				
PCV Valve, Replace				
PCV Hoses and Fitting, Check				
Spark Plugs, Replace				
Points, Replace				
Oil, Vacuum Pump, Change				
Intake Manifold Bolts, Torque				
All Nuts and Bolts, Check				

Comments: Upon arrival the PSI system was shut off. Need to replace the coil. After replaced restart fuel system.

READJUST ENGINE PARAMETERS AT LEAST ONCE PER MONTH (IGNITION TIMING, AIR TO FUEL RATIO, EXHAUST O2 AND TEMP., NOX, HC & CO). CHECK HERE () WHEN DONE

INSPECT CATALYST (See permit and PSR for frequency). CHECK HERE () O.K. () NO

CHANGE CATALYST (See permit and PSR for limits). CHECK HERE () WHEN REPLACED

VAPOR WELLS ON: ALL WATER WELLS ON: RE 4 + RE 7

SERVICE TECH: E. GASTAFN DATE: 01/21/94 THRIFTY OIL CO. ss #: 054.

SAVE SYSTEM OPERATING DATA

FIELD STATUS REPORT

PARAMETER	U/M	
TIME	AM/PM	11:30
WORKING	YES/NO	YES
RESTARTED	YES/NO	NO
HOURS	#	4557
ENGINE ROT.	R P M	1800
ENGINE VACUUM	IN HG	9
ENG. OIL PRESS.	PSI	45
ENG. WATER TEMP.	°F	160
ENG. ELECTR. TENS.	VOLTS	13
TANK VACUUM	IN HG	10
TK. REC. PRES.	PSI	25
TK. REC. TEMP.	°F	90
AIR TEMPERATURE	°F	54
AIR FLOW	C F M	13
VAPOR FLOW	C F M	18
FUEL FLOW	C F M/H	80
WELL VACUUM	IN H2O	22
L P G TANKS	%	#1: 80 #2:
GAS METER READING		
WATER FLOWMETER	GALL.	3703
CATALYST IN TEMP.	°F	
CATALYST OUT TEMP.	°F	

EXHAUST (See permit and PSR for frequency and limits)	BY C.A.	H-C	ppm/%
		CO	%/ppm
		CO2	%
		O2	%
	NOX	%/ppm	
	BY	O.V.	ppm
OUTLET FROM ENGINE		O.V.	ppm
INLET TO ENGINE		O.V.	ppm

MAINTENANCE RECORD				
Operation	Each Stop	100 Hours Week	400 Hours 2 Weeks	800 Hours Monthly
Oil, Engine, Check Level	✓			
Coolant, Check Level	✓			
Fuel, Oil, Coolant, Check for Leaks	✓			
Oil, Engine, Change				
Oil, Filter, Change				
Battery, Check Charge and Fluid		✓		
Battery Cables, Clean		✓		
P.T.O. Bearings, Lubricate		✓		
Fan, Alternator Belts, Check and Adjust		✓		
Idle Speed, Check		✓		
Idle Mixture, Check		✓		
Radiator, Inspect and Clean Exterior				
Distributor, Clean and Check Points				
Ignition Timing, Check and Adjust				
PCV Valve, Replace				
PCV Hoses and Fitting, Check				
Spark Plugs, Replace				
Points, Replace				
Oil, Vacuum Pump, Change				
Intake Manifold Bolts, Torque				
All Nuts and Bolts, Check				
Comments: _____				

READJUST ENGINE PARAMETERS AT LEAST ONCE PER MONTH (IGNITION TIMING, AIR TO FUEL RATIO, EXHAUST O2 AND TEMP., NOX, HC & CO). CHECK HERE () WHEN DONE

INSPECT CATALYST (See permit and PSR for frequency). CHECK HERE (✓) O.K. () NO

CHANGE CATALYST (See permit and PSR for limits). CHECK HERE () WHEN REPLACED

VAPOR WELLS ON: ALL WATER WELLS ON: RE-4; RE-7

SERVICE TECH: E. GALMAN DATE: 01.24.94 THRIFTY OIL CO. ss #: 054

PARAMETER	U/M			
TIME	AM/PM	11:00		
WORKING	YES/NO	YES		
RESTARTED	YES/NO	No		
HOURS	#	4724		
ENGINE ROT.	RPM	1200		
ENGINE VACUUM	IN HG	9		
ENG. OIL PRESS.	PSI	40		
ENG. WATER TEMP.	°F	160		
ENG. ELECTR. TENS.	VOLTS	13		
TANK VACUUM	IN HG	10		
TK. REC. PRES.	PSI	25		
TK. REC. TEMP.	°F	110		
AIR TEMPERATURE	°F	56		
AIR FLOW	CFM	13		
VAPOR FLOW	CFM	15		
FUEL FLOW	CFM/H	75		
WELL VACUUM	IN H2O	22		
L P G TANKS	%	#1: 9 #2:		
GAS METER READING				
WATER FLOWMETER	GALL.	3868		
CATALYST IN TEMP.	°F			
CATALYST OUT TEMP.	°F			
EXHAUST (See permit and PSR for frequency and limits)	BY C.A.	H-C	ppm/%	
		CO	%/ppm	
		CO2	%	
		O2	%	
		NOX	%/ppm	
	BY	O.V.	ppm	
OUTLET FROM ENGINE	O.V.	ppm		
INLET TO ENGINE	O.V.	ppm		

Operation	MAINTENANCE RECORD			
	Each Stop	100 Hours Week	400 Hours 2 Weeks	800 Hours Monthly
Oil, Engine, Check Level				
Coolant, Check Level				
Fuel, Oil, Coolant, Check for Leaks				
Oil, Engine, Change			✓	
Oil, Filter, Change			✓	
Battery, Check Charge and Fluid			✓	
Battery Cables, Clean			✓	
P.T.O. Bearings, Lubricate			✓	
Fan, Alternator Belts, Check and Adjust			✓	
Idle Speed, Check			✓	
Idle Mixture, Check			✓	
Radiator, Inspect and Clean Exterior			✓	
Distributor, Clean and Check Points			✓	
Ignition Timing, Check and Adjust			✓	
PCV Valve, Replace				
PCV Hoses and Fitting, Check				
Spark Plugs, Replace				
Points, Replace				
Oil, Vacuum Pump, Change				
Intake Manifold Bolts, Torque				
All Nuts and Bolts, Check				

Comments: B/W air reading.

READJUST ENGINE PARAMETERS AT LEAST ONCE PER MONTH (IGNITION TIMING, AIR TO FUEL RATIO, EXHAUST O2 AND TEMP., NOX, HC & CO). CHECK HERE () WHEN DONE

INSPECT CATALYST (See permit and PSR for frequency). CHECK HERE () O.K. () NO

CHANGE CATALYST (See permit and PSR for limits). CHECK HERE () WHEN REPLACED

VAPOR WELLS ON: ALL WATER WELLS ON: RE-4; RE-7

SERVICE TECH: E. GASMAN DATE: 01/31/94 THRIFTY OIL CO. SS #: 054

PARAMETER	U/M	
TIME	AM/PM	12:30
WORKING	YES/NO	YES NO
RESTARTED	YES/NO	NO YES
HOURS	#	4249
ENGINE ROT.	R P M	1800
ENGINE VACUUM	IN HG	9
ENG. OIL PRESS.	P S I	45
ENG. WATER TEMP.	°F	160
ENG. ELECTR. TENS.	VOLTS	13
TANK VACUUM	IN HG	10
TK. REC. PRES.	PSI	20
TK. REC. TEMP.	°F	100
AIR TEMPERATURE	°F	56
AIR FLOW	C F M	15
VAPOR FLOW	C F M	17
FUEL FLOW	C F M/H	80
WELL VACUUM	IN H20	22
L P G TANKS	%	#1:45 #2:
GAS METER READING		
WATER FLOWMETER	GALL.	4014
CATALYST IN TEMP.	°F	
CATALYST OUT TEMP.	°F	

EXHAUST (See permit and PSR for frequency and limits)	BY C.A.	H-C	ppm/%
		CO	%/ppm
		CO2	%
		O2	%
		NOX	%/ppm
	BY	O.V.	ppm
OUTLET FROM ENGINE		O.V.	ppm
INLET TO ENGINE		O.V.	ppm

MAINTENANCE RECORD				
Operation	Each Stop	100 Hours Week	400 Hours 2 Weeks	800 Hours Monthly
Oil, Engine, Check Level	✓			
Coolant, Check Level	✓			
Fuel, Oil, Coolant, Check for Leaks	✓			
Oil, Engine, Change				
Oil, Filter, Change				
Battery, Check Charge and Fluid		✓		
Battery Cables, Clean		✓		
P.T.O. Bearings, Lubricate		✓		
Fan, Alternator Belts, Check and Adjust		✓		
Idle Speed, Check		✓		
Idle Mixture, Check		✓		
Radiator, Inspect and Clean Exterior				
Distributor, Clean and Check Points				
Ignition Timing, Check and Adjust				
PCV Valve, Replace				
PCV Hoses and Fitting, Check				
Spark Plugs, Replace				
Points, Replace				
Oil, Vacuum Pump, Change				
Intake Manifold Bolts, Torque				
All Nuts and Bolts, Check				

Comments: Meeting with Simon Wince
INSPECTOR I from BAAQMD for
compliance with permit condition

READJUST ENGINE PARAMETERS AT LEAST ONCE PER MONTH (IGNITION TIMING, AIR TO FUEL RATIO, EXHAUST O2 AND TEMP., NOX, HC & CO). CHECK HERE () WHEN DONE

INSPECT CATALYST (See permit and PSR for frequency). CHECK HERE () O.K. () NO

CHANGE CATALYST (See permit and PSR for limits). CHECK HERE () WHEN REPLACED

VAPOR WELLS ON: ALL WATER WELLS ON: RE-4, RE-7

SERVICE TECH: E. GASMAN DATE: 02/07/94 THRIFTY OIL CO. ss #: SS#054

PARAMETER	U/M			
TIME	AM/PM	13:30		
WORKING	YES/NO	YES		
RESTARTED	YES/NO	NO		
HOURS	#	5016		
ENGINE ROT.	R P M	1700		
ENGINE VACUUM	IN HG	9		
ENG. OIL PRESS.	P S I	40		
ENG. WATER TEMP.	°F	160		
ENG. ELECTR. TENS.	VOLTS	13		
TANK VACUUM	IN HG	10		
TK. REC. PRES.	PSI	20		
TK. REC. TEMP.	°F	110		
AIR TEMPERATURE	°F	54		
AIR FLOW	C F M	14		
VAPOR FLOW	C F M	17		
FUEL FLOW	C F M/H	75		
WELL VACUUM	IN H2O	22		
L P G TANKS	%	#1: 45 #2:		
GAS METER READING				
WATER FLOWMETER	GALL.	42.37		
CATALYST IN TEMP.	°F			
CATALYST OUT TEMP.	°F			
EXHAUST (See permit and PSR for frequency and limits)	BY C.A.	H-C	ppm/%	
		CO	%/ppm	
		CO2	%	
		O2	%	
		NOX	%/ppm	
		BY	O.V.	ppm
OUTLET FROM ENGINE	O.V.	ppm	< 80	
INLET TO ENGINE	O.V.	ppm	> 10,000	

MAINTENANCE RECORD				
Operation	Each Stop	100 Hours Week	400 Hours 2 Weeks	800 Hours Monthly
Oil, Engine, Check Level				
Coolant, Check Level				
Fuel, Oil, Coolant, Check for Leaks				
Oil, Engine, Change		✓		
Oil, Filter, Change		✓		
Battery, Check Charge and Fluid		✓		
Battery Cables, Clean		✓		
P.T.O. Bearings, Lubricate		✓		
Fan, Alternator Belts, Check and Adjust		✓		
Idle Speed, Check		✓		
Idle Mixture, Check		✓		
Radiator, Inspect and Clean Exterior				
Distributor, Clean and Check Points				
Ignition Timing, Check and Adjust				
PCV Valve, Replace				
PCV Hoses and Fitting, Check				
Spark Plugs, Replace		✓		
Points, Replace				
Oil, Vacuum Pump, Change				
Intake Manifold Bolts, Torque				
All Nuts and Bolts, Check				
Comments: _____				

READJUST ENGINE PARAMETERS AT LEAST ONCE PER MONTH (IGNITION TIMING, AIR TO FUEL RATIO, EXHAUST O2 AND TEMP., NOX, HC & CO). CHECK HERE () WHEN DONE

INSPECT CATALYST (See permit and PSR for frequency). CHECK HERE () O.K. () NO

CHANGE CATALYST (See permit and PSR for limits). CHECK HERE () WHEN REPLACED

VAPOR WELLS ON: ALL

WATER WELLS ON: RE 4; RE 7

SERVICE TECH: E. GAYMAN DATE: 2/16/94 THRIFTY OIL CO. SS #: 054

PARAMETER	U/M	
TIME	AM/PM	11:50
WORKING	YES/NO	YES
RESTARTED	YES/NO	NO
HOURS	#	5185
ENGINE ROT.	RPM	1800
ENGINE VACUUM	IN HG	9
ENG. OIL PRESS.	PSI	42
ENG. WATER TEMP.	°F	160
ENG. ELECTR. TENS.	VOLTS	13
TANK VACUUM	IN HG	10
TK. REC. PRES.	PSI	25
TK. REC. TEMP.	°F	100
AIR TEMPERATURE	°F	57
AIR FLOW	CFM	15
VAPOR FLOW	CFM	17
FUEL FLOW	CFM/H	80
WELL VACUUM	IN H2O	18
LPG TANKS	%	#1: 42 #2:
GAS METER READING		
WATER FLOWMETER	GALL.	4483
CATALYST IN TEMP.	°F	
CATALYST OUT TEMP.	°F	

EXHAUST (See permit and PSR for frequency and limits)	BY C.A.	H-C	ppm/%
		CO	%/ppm
		CO2	%
		O2	%
		NOX	%/ppm
	BY	O.V.	ppm
OUTLET FROM ENGINE	O.V.	ppm	70
INLET TO ENGINE	O.V.	ppm	>10,000

MAINTENANCE RECORD				
Operation	Each Stop	100 Hours Week	400 Hours 2 Weeks	800 Hours Monthly
Oil, Engine, Check Level				
Coolant, Check Level				
Fuel, Oil, Coolant, Check for Leaks				
Oil, Engine, Change		✓		
Oil, Filter, Change		✓		
Battery, Check Charge and Fluid		✓		
Battery Cables, Clean		✓		
P.T.O. Bearings, Lubricate		✓		
Fan, Alternator Belts, Check and Adjust		✓		
Idle Speed, Check		✓		
Idle Mixture, Check		✓		
Radiator, Inspect and Clean Exterior				
Distributor, Clean and Check Points				
Ignition Timing, Check and Adjust				
PCV Valve, Replace				
PCV Hoses and Fitting, Check				
Spark Plugs, Replace				
Points, Replace				
Oil, Vacuum Pump, Change				
Intake Manifold Bolts, Torque				
All Nuts and Bolts, Check				

Comments: B/W air sampling OK

READJUST ENGINE PARAMETERS AT LEAST ONCE PER MONTH (IGNITION TIMING, AIR TO FUEL RATIO, EXHAUST O2 AND TEMP., NOX, HC & CO). CHECK HERE () WHEN DONE

INSPECT CATALYST (See permit and PSR for frequency). CHECK HERE () O.K. () NO

CHANGE CATALYST (See permit and PSR for limits). CHECK HERE () WHEN REPLACED

VAPOR WELLS ON: ALL

WATER WELLS ON: RE4; RE7

SERVICE TECH: E. GASMAN DATE: 2/21/94 THRIFTY OIL CO. SS #: 054

SAVE SYSTEM

OPERATING DATA

FIELD STATUS REPORT

PARAMETER	U/M	
TIME	AM/PM	17:00
WORKING	YES/NO	NO
RESTARTED	YES/NO	YES
HOURS	#	5196
ENGINE ROT.	R P M	1800
ENGINE VACUUM	IN HG	10
ENG. OIL PRESS.	PSI	42
ENG. WATER TEMP.	°F	160
ENG. ELECTR. TENS.	VOLTS	13
TANK VACUUM	IN HG	10
TK. REC. PRES.	PSI	25
TK. REC. TEMP.	°F	90
AIR TEMPERATURE	°F	64
AIR FLOW	C F M	15
VAPOR FLOW	C F M	17
FUEL FLOW	C F M/H	80
WELL VACUUM	IN H2O	22
L P G TANKS	%	#140 #2:
GAS METER READING		
WATER FLOWMETER	GALL.	4506
CATALYST IN TEMP.	°F	
CATALYST OUT TEMP.	°F	

EXHAUST (See permit and PSR for frequency and limits)	BY C.A.	H-C	ppm/%
		CO	%/ppm
		CO2	%
		O2	%
	NOX	%/ppm	
	BY	O.V.	ppm
OUTLET FROM ENGINE		O.V.	ppm 180
INLET TO ENGINE		O.V.	ppm >10,000

MAINTENANCE RECORD				
Operation	Each Stop	100 Hours Week	400 Hours 2 Weeks	800 Hours Monthly
Oil, Engine, Check Level				
Coolant, Check Level				
Fuel, Oil, Coolant, Check for Leaks				
Oil, Engine, Change		✓		
Oil, Filter, Change		✓		
Battery, Check Charge and Fluid		✓		
Battery Cables, Clean		✓		
P.T.O. Bearings, Lubricate		✓		
Fan, Alternator Belts, Check and Adjust		✓		
Idle Speed, Check		✓		
Idle Mixture, Check		✓		
Radiator, Inspect and Clean Exterior				
Distributor, Clean and Check Points				
Ignition Timing, Check and Adjust				
PCV Valve, Replace				
PCV Hoses and Fitting, Check				
Spark Plugs, Replace				
Points, Replace				
Oil, Vacuum Pump, Change				
Intake Manifold Bolts, Torque				
All Nuts and Bolts, Check				

Comments: Upon arrival the engine was shut off. Water in engine by intake manifold. Replaced the oil.

READJUST ENGINE PARAMETERS AT LEAST ONCE PER MONTH (IGNITION TIMING, AIR TO FUEL RATIO, EXHAUST O2 AND TEMP., NOX, HC & CO). CHECK HERE () WHEN DONE

INSPECT CATALYST (See permit and PSR for frequency). CHECK HERE () O.K. () NO

CHANGE CATALYST (See permit and PSR for limits). CHECK HERE () WHEN REPLACED

VAPOR WELLS ON: ALL WATER WELLS ON: RE 4, RE 7

SERVICE TECH: E GASHAW DATE: 03/07/94 THRIFTY OIL CO. SS #: 054

PARAMETER	U/M	
TIME	AM/PM	12:00
WORKING	YES/NO	No
RESTARTED	YES/NO	YES
HOURS	#	5257
ENGINE ROT.	R P M	1800
ENGINE VACUUM	IN HG	11
ENG. OIL PRESS.	PSI	45
ENG. WATER TEMP.	°F	160
ENG. ELECTR. TENS.	VOLTS	13
TANK VACUUM	IN HG	20
TK. REC. PRES.	PSI	40
TK. REC. TEMP.	°F	90
AIR TEMPERATURE	°F	64
AIR FLOW	C F M	12
VAPOR FLOW	C F M	25
FUEL FLOW	C F M/H	85
WELL VACUUM	IN H2O	22
L P G TANKS	%	#1: 87 #2:
GAS METER READING		
WATER FLOWMETER	GALL.	4618
CATALYST IN TEMP.	°F	
CATALYST OUT TEMP.	°F	

EXHAUST (See permit and PSR for frequency and limits)	BY C.A.	H-C	ppm/%
		CO	%/ppm
		CO2	%
		O2	%
		NOX	%/ppm
	BY	O.V.	ppm
OUTLET FROM ENGINE	O.V.	ppm	140
INLET TO ENGINE	O.V.	ppm	>10,000

MAINTENANCE RECORD				
Operation	Each Stop	100 Hours Week	400 Hours 2 Weeks	800 Hours Monthly
Oil, Engine, Check Level	✓			
Coolant, Check Level	✓			
Fuel, Oil, Coolant, Check for Leaks	✓			
Oil, Engine, Change				
Oil, Filter, Change				
Battery, Check Charge and Fluid				
Battery Cables, Clean				
P.T.O. Bearings, Lubricate				
Fan, Alternator Belts, Check and Adjust				
Idle Speed, Check				
Idle Mixture, Check				
Radiator, Inspect and Clean Exterior				
Distributor, Clean and Check Points				
Ignition Timing, Check and Adjust				
PCV Valve, Replace				
PCV Hoses and Fitting, Check				
Spark Plugs, Replace				
Points, Replace				
Oil, Vacuum Pump, Change				
Intake Manifold Bolts, Torque				
All Nuts and Bolts, Check				

Comments: *B/W air sampling*
monthly water sampling

READJUST ENGINE PARAMETERS AT LEAST ONCE PER MONTH (IGNITION TIMING, AIR TO FUEL RATIO, EXHAUST O2 AND TEMP., NOX, HC & CO). CHECK HERE () WHEN DONE

INSPECT CATALYST (See permit and PSR for frequency). CHECK HERE () O.K. () NO

CHANGE CATALYST (See permit and PSR for limits). CHECK HERE () WHEN REPLACED

VAPOR WELLS ON: *ALL* WATER WELLS ON: *RE-4, RE-7*

SERVICE TECH: *E. GASMAN* DATE: *3-14-94* THRIFTY OIL CO. ss #: *054*

PARAMETER	U/M	
TIME	AM/PM	10:00
WORKING	YES/NO	X/0
RESTARTED	YES/NO	YES
HOURS	#	5378
ENGINE ROT.	R P M	1800
ENGINE VACUUM	IN HG	11
ENG. OIL PRESS.	PSI	45
ENG. WATER TEMP.	°F	160
ENG. ELECTR. TENS.	VOLTS	13
TANK VACUUM	IN HG	20
TK. REC. PRES.	PSI	40
TK. REC. TEMP.	°F	100
AIR TEMPERATURE	°F	10
AIR FLOW	C F M	25
VAPOR FLOW	C F M	2.4
FUEL FLOW	C F M/H	85
WELL VACUUM	IN H2O	22
L P G TANKS	%	#1: 40 #2:
GAS METER READING		
WATER FLOWMETER	GALL.	4800
CATALYST IN TEMP.	°F	
CATALYST OUT TEMP.	°F	

EXHAUST (See permit and PSR for frequency and limits)	BY C.A.	H-C	ppm/%
		CO	%/ppm
		CO2	%
		O2	%
		NOX	%/ppm
	BY	O.V.	ppm
OUTLET FROM ENGINE	O.V.	ppm	120
INLET TO ENGINE	O.V.	ppm	>10,000

MAINTENANCE RECORD				
Operation	Each Stop	100 Hours Week	400 Hours 2 Weeks	800 Hours Monthly
Oil, Engine, Check Level				
Coolant, Check Level				
Fuel, Oil, Coolant, Check for Leaks				
Oil, Engine, Change		✓		
Oil, Filter, Change		✓		
Battery, Check Charge and Fluid		✓		
Battery Cables, Clean		✓		
P.T.O. Bearings, Lubricate		✓		
Fan, Alternator Belts, Check and Adjust		✓		
Idle Speed, Check		✓		
Idle Mixture, Check		✓		
Radiator, Inspect and Clean Exterior				
Distributor, Clean and Check Points				
Ignition Timing, Check and Adjust				
PCV Valve, Replace				
PCV Hoses and Fitting, Check				
Spark Plugs, Replace				
Points, Replace				
Oil, Vacuum Pump, Change				
Intake Manifold Bolts, Torque				
All Nuts and Bolts, Check				

Comments: _____

READJUST ENGINE PARAMETERS AT LEAST ONCE PER MONTH (IGNITION TIMING, AIR TO FUEL RATIO, EXHAUST O2 AND TEMP., NOX, HC & CO). CHECK HERE () WHEN DONE

INSPECT CATALYST (See permit and PSR for frequency). CHECK HERE () O.K. () NO

CHANGE CATALYST (See permit and PSR for limits). CHECK HERE () WHEN REPLACED

VAPOR WELLS ON: ALL WATER WELLS ON: RE, 4 RET

SERVICE TECH: E. GASMAN DATE: 3/21/94 THRIFTY OIL CO. SS #: 054

SAVE SYSTEM

OPERATING DATA

FIELD STATUS REPORT

PARAMETER	U/M		
TIME	AM/PM	12:00	
WORKING	YES/NO	No	
RESTARTED	YES/NO	YES	
HOURS	#	5429	
ENGINE ROT.	RPM	1800	
ENGINE VACUUM	IN HG	19	
ENG. OIL PRESS.	PSI	40	
ENG. WATER TEMP.	°F	160	
ENG. ELECTR. TENS.	VOLTS	13	
TANK VACUUM	IN HG	16	
TK. REC. PRES.	PSI	40	
TK. REC. TEMP.	°F	90	
AIR TEMPERATURE	°F	70	
AIR FLOW	CFM	14	
VAPOR FLOW	CFM	15	
FUEL FLOW	CFM/H	70	
WELL VACUUM	IN H2O	24	
L P G TANKS	%	#1: 88 #2:	
GAS METER READING			
WATER FLOWMETER	GALL.	4840	
CATALYST IN TEMP.	°F		
CATALYST OUT TEMP.	°F		
EXHAUST <small>(See permit and PSR for frequency and limits)</small>	BY C.A.	H-C	ppm/%
		CO	%/ppm
		CO2	%
		O2	%
		NOX	%/ppm
	BY	O.V.	ppm
OUTLET FROM ENGINE	O.V.	ppm	
INLET TO ENGINE	O.V.	ppm	

MAINTENANCE RECORD				
Operation	Each Stop	100 Hours Week	400 Hours 2 Weeks	800 Hours Monthly
Oil, Engine, Check Level	✓			
Coolant, Check Level	✓			
Fuel, Oil, Coolant, Check for Leaks	✓			
Oil, Engine, Change				
Oil, Filter, Change				
Battery, Check Charge and Fluid				
Battery Cables, Clean				
P.T.O. Bearings, Lubricate				
Fan, Alternator Belts, Check and Adjust				
Idle Speed, Check				
Idle Mixture, Check				
Radiator, Inspect and Clean Exterior				
Distributor, Clean and Check Points				
Ignition Timing, Check and Adjust				
PCV Valve, Replace				
PCV Hoses and Fitting, Check				
Spark Plugs, Replace				
Points, Replace				
Oil, Vacuum Pump, Change				
Intake Manifold Bolts, Torque				
All Nuts and Bolts, Check				

Comments: _____

READJUST ENGINE PARAMETERS AT LEAST ONCE PER MONTH (IGNITION TIMING, AIR TO FUEL RATIO, EXHAUST O2 AND TEMP., NOX, HC & CO). CHECK HERE () WHEN DONE

INSPECT CATALYST (See permit and PSR for frequency). CHECK HERE () O.K. () NO

CHANGE CATALYST (See permit and PSR for limits). CHECK HERE () WHEN REPLACED

VAPOR WELLS ON: ALL WATER WELLS ON: RE-4, RE-7

SERVICE TECH: E. GASMAN DATE: 3/28/94 THRIFTY OIL CO. ss #: 054



PROJECT STATUS REPORT
 THRIFTY OIL CO. S.S. #054
 2504 CASTRO VALLEY BLVD.
 CASTRO VALLEY, CA 94546
 DATE: 01/21/1994

F R E Q .	MONITORING				ODORS			FREE		WELLS CONNECTED TO SYSTEM (W)							
	OBSERVATION WELLS				(S=SLIGHT)			PRODUCT		CONNECT		INTEGRITY		VAPOR		WATER	
	NO.	DTW	DTP	PT	YES	NO	S	YES	NO	YES	NO	OK	NO	ON	OFF	ON	OFF
M	PW-1	1.85				X			X		X	-					
M	PW-2	4.18				X			X		X	-					
M	RE-1	3.90				X			X		X	-					
M	RE-2	4.15				X			X		X	-					
M	RE-3	6.97	Flm				X		X		X	-					
M	RE-4	7.77	Flm				X		X		X	-					
M	RE-5	5.10				X			X		X	-					
M	RE-6	5.65				X			X		X	-					
M	RE-7	9.25	shcny				X		X		X	-					
M	RS-8	9.48				X			X		-	X					
M	RS-9	2.90				X			X		-	X					
M	RS-10	7.34				X			X		-	X					

SAVE SYSTEM WEEKLY

PARAMETER	U/M	DATA	PARAMETER	U/M	DATA
TIME	AM/PM	12:30	AIR FLOW	C F M	13
WORKING	YES/NO	No	VAPOR FLOW	C F M	20
RESTARTED	YES/NO	YES	FUEL FLOW	C F M/H	80
HOURS	#	4490	WELL VACUUM	IN H2O	22
ENGINE ROT.	RPM	1900	L P G TANKS	#	#1: 87
ENGINE VACUUM	IN HG	9	GAS METER READING	-	N/A
TANK VACUUM	IN HG	10	WATER FLOWMETER	GALL.	3661

EXHAUST (By others)				
INLET TO ENGINE				

MAINTENANCE ES/100/400/800 _____ FOR SPECIFIC OPERATIONS SEE FIELD RECORD

WATER SAMPLING - CHECK () WHEN DONE

EFFLUENT	INFLUENT	WELLS
() _____	() _____	() Q.-SEE C.CUST.

REMARKS: _____

FREE PRODUCT REMOVED: APPROX. _____ GALLONS WATER REMOVED: APPROX. _____ GALLONS

DATA RECORDED BY: E. CASMAN INPUT BY: M.M. >|FF|054rsirt

APPENDIX B



SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard
P.O. Box 880550, Hunter's Point Shipyard Bldg. 114
5427 East La Palma Avenue

- Los Angeles, California 90021
- San Francisco, California 94188
- Anaheim, California 92807
- (213) 749-3411
- (415) 330-3000
- (714) 693-1026
- Fax: (213) 746-7228
- Fax: (415) 822-5864
- Fax: (714) 693-1034

Thrifty Oil Co.
File# 72546
10000 Lakewood Blvd.
Downey, CA 90240

03/10/94

Attn: Michael S. Cosby
310/923/9876

TOC #054
Chain of Custody

Sample #: 4063185801
Received: 03/04/94
Type: Water

Collector: Client
Sampling Date & Time: 03/02/94, 1545
Method: Submitted By Client

I.D.: RS-9

===== <u>CONSTITUENT</u> =====	===== <u>METHOD</u> ====	===== <u>RESULT</u> ==	===== <u>UNIT</u> ====	===== <u>MDL</u> ====
Extraction Method/Date	EPA 5030	03/08/94		
Analysis Date		03/08/94		
EPA 8015M/602, Combination		*		
TPH-Gasoline	EPA 8015M	1100 ug/l		50 ug/l
Benzene	EPA 602	ND ug/l		0.3 ug/l
Toluene	EPA 602	ND ug/l		0.3 ug/l
Ethylbenzene	EPA 602	20 ug/l		0.3 ug/l
Xylenes	EPA 602	7.4 ug/l		0.5 ug/l
Surrogate		*		
Trifluorotoluene	EPA 602	81 Percent		



SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard
P.O. Box 880550, Hunter's Point Shipyard Bldg. 114
5427 East La Palma Avenue

- Los Angeles, California 90021
- San Francisco, California 94188
- Anaheim, California 92807
- (213) 749-3411
- (415) 330-3000
- (714) 693-1026
- Fax: (213) 746-7228
- Fax: (415) 822-5864
- Fax: (714) 693-1034

Thrifty Oil Co.
File# 72546
10000 Lakewood Blvd.
Downey, CA 90240

03/10/94

Attn: Michael S. Cosby
310/923/9876

TOC #054
Chain of Custody

Sample #: 4063185802
Received: 03/04/94
Type: Water

Collector: Client
Sampling Date & Time: 03/02/94, 1605
Method: Submitted By Client

I.D.: RS-8

===== CONSTITUENT =====	===== METHOD ====	===== RESULT ====	===== UNIT ====	===== MDL ====
Extraction Method/Date	EPA 5030	03/08/94		
Analysis Date		03/08/94		
EPA 8015M/602, Combination		*		
TPH-Gasoline	EPA 8015M	ND ug/l		50 ug/l
Benzene	EPA 602	ND ug/l		0.3 ug/l
Toluene	EPA 602	ND ug/l		0.3 ug/l
Ethylbenzene	EPA 602	ND ug/l		0.3 ug/l
Xylenes	EPA 602	ND ug/l		0.5 ug/l
Surrogate		*		
Trifluorotoluene	EPA 602	114 Percent		



SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard
P.O. Box 880550, Hunter's Point Shipyard Bldg. 114
5427 East La Palma Avenue

- Los Angeles, California 90021
- San Francisco, California 94188
- Anaheim, California 92807
- (213) 749-3411
- (415) 330-3000
- (714) 693-1026
- Fax: (213) 746-7228
- Fax: (415) 822-5864
- Fax: (714) 693-1034

Thrifty Oil Co.
File# 72546
10000 Lakewood Blvd.
Downey, CA 90240

03/10/94

Attn: Michael S. Cosby
310/923/9876

TOC #054
Chain of Custody

Sample #: 4063185803
Received: 03/04/94
Type: Water

Collector: Client
Sampling Date & Time: 03/02/94, 1630
Method: Submitted By Client

I.D.: RS-10

===== CONSTITUENT =====	===== METHOD ====	===== RESULT ====	===== UNIT ====	===== MDL ====
Extraction Method/Date	EPA 5030	03/08/94		
Analysis Date		03/08/94		
EPA 8015M/602, Combination		*		
TPH-Gasoline	EPA 8015M	ND ug/l		50 ug/l
Benzene	EPA 602	ND ug/l		0.3 ug/l
Toluene	EPA 602	ND ug/l		0.3 ug/l
Ethylbenzene	EPA 602	ND ug/l		0.3 ug/l
Xylenes	EPA 602	ND ug/l		0.5 ug/l
Surrogate		*		
Trifluorotoluene	EPA 602	76 Percent		



SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard
P.O. Box 880550, Hunter's Point Shipyard Bldg. 114
5427 East La Palma Avenue

- Los Angeles, California 90021
- San Francisco, California 94188
- Anaheim, California 92807
- (213) 749-3411
- (415) 330-3000
- (714) 693-1026
- Fax: (213) 746-7228
- Fax: (415) 822-5864
- Fax: (714) 693-1034

Thrifty Oil Co.
File# 72546
10000 Lakewood Blvd.
Downey, CA 90240

03/10/94

Attn: Michael S. Cosby
310/923/9876

TOC #054
Chain of Custody

Sample #: 4063185804
Received: 03/04/94
Type: Water

Collector: Client
Sampling Date & Time: 03/02/94, 1655
Method: Submitted By Client

I.D.: RE-2

===== CONSTITUENT =====	===== METHOD ====	===== RESULT ==	===== UNIT ====	===== MDL ====
Extraction Method/Date	EPA 5030	03/07/94		
Analysis Date		03/07/94		
EPA 8015M/602, Combination		*		
TPH-Gasoline	EPA 8015M	410 ug/l		50 ug/l
Benzene	EPA 602	ND ug/l		0.3 ug/l
Toluene	EPA 602	ND ug/l		0.3 ug/l
Ethylbenzene	EPA 602	ND ug/l		0.3 ug/l
Xylenes	EPA 602	ND ug/l		0.5 ug/l
Surrogate		*		
Trifluorotoluene	EPA 602	80 Percent		



SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard
P.O. Box 880550, Hunter's Point Shipyard Bldg. 114
5427 East La Palma Avenue

- Los Angeles, California 90021
- San Francisco, California 94188
- Anaheim, California 92807
- (213) 749-3411
- (415) 330-3000
- (714) 693-1026
- Fax: (213) 746-7228
- Fax: (415) 822-5864
- Fax: (714) 693-1034

Thrifty Oil Co.
File# 72546
10000 Lakewood Blvd.
Downey, CA 90240

03/10/94

Attn: Michael S. Cosby
310/923/9876

TOC #054
Chain of Custody

Sample #: 4063185805
Received: 03/04/94
Type: Water

Collector: Client
Sampling Date & Time: 03/02/94, 1720
Method: Submitted By Client

I.D.: RE-5

===== CONSTITUENT =====	===== METHOD =====	===== RESULT ====	===== UNIT ====	===== MDL =====
Extraction Method/Date	EPA 5030	03/09/94		
Analysis Date		03/09/94		
EPA 8015M/602, Combination		*		
TPH-Gasoline	EPA 8015M	2400 ug/l		50 ug/l
Benzene	EPA 602	270 ug/l		0.3 ug/l
Toluene	EPA 602	4.5 ug/l		0.3 ug/l
Ethylbenzene	EPA 602	ND ug/l		0.3 ug/l
Xylenes	EPA 602	13 ug/l		0.5 ug/l
Surrogate		*		
Trifluorotoluene	EPA 602	117 Percent		



SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard
P.O. Box 880550, Hunter's Point Shipyard Bldg. 114
5427 East La Palma Avenue

- Los Angeles, California 90021
- San Francisco, California 94188
- Anaheim, California 92807
- (213) 749-3411
- (415) 330-3000
- (714) 693-1026
- Fax: (213) 746-7228
- Fax: (415) 330-3030
- Fax: (714) 693-1034

Thrifty Oil Co.
File# 72546
10000 Lakewood Blvd.
Downey, CA 90240

03/10/94

Attn: Michael S. Cosby
310/923/9876

TOC #054
Chain of Custody

Sample #: 4063185806
Received: 03/04/94
Type: Water

Collector: Client
Sampling Date & Time: 03/02/94, 1740
Method: Submitted By Client

I.D.: PW1

CONSTITUENT	METHOD	RESULT	UNIT	MDL
Extraction Method/Date	EPA 5030	03/07/94		
Analysis Date		03/07/94		
EPA 8015M/602, -Combination		*		
TPH-Gasoline	EPA 8015M	ND	ug/l	50 ug/l
Benzene	EPA 602	ND	ug/l	0.3 ug/l
Toluene	EPA 602	ND	ug/l	0.3 ug/l
Ethylbenzene	EPA 602	ND	ug/l	0.3 ug/l
Xylenes	EPA 602	ND	ug/l	0.5 ug/l
Surrogate		*		
Trifluorotoluene	EPA 602	90	Percent	



SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard
P.O. Box 880550, Hunter's Point Shipyard Bldg. 114
5427 East La Palma Avenue

- Los Angeles, California 90021
- San Francisco, California 94188
- Anaheim, California 92807
- (213) 749-3411
- (415) 330-3000
- (714) 693-1026
- Fax: (213) 746-7228
- Fax: (415) 822-5864
- Fax: (714) 693-1034

Thrifty Oil Co.
File# 72546
10000 Lakewood Blvd.
Downey, CA 90240

03/10/94

Attn: Michael S. Cosby
310/923/9876

TOC #054
Chain of Custody

Sample #: 4063185807
Received: 03/04/94
Type: Water

Collector: Client
Sampling Date & Time: 03/02/94, 1830
Method: Submitted By Client

I.D.: Trip Blank

-----CONSTITUENT-----	====METHOD====	==RESULT==	===UNIT===	===MDL===
Extraction Method/Date	EPA 5030	03/07/94		
Analysis Date		03/07/94		
EPA 8015M/602, Combination		*		
TPH-Gasoline	EPA 8015M	ND ug/l		50 ug/l
Benzene	EPA 602	ND ug/l		0.3 ug/l
Toluene	EPA 602	ND ug/l		0.3 ug/l
Ethylbenzene	EPA 602	ND ug/l		0.3 ug/l
Xylenes	EPA 602	ND ug/l		0.5 ug/l
Surrogate		*		
Trifluorotoluene	EPA 602	92 Percent		

Respectfully Submitted,

Shahid Noori

Shahid Noori, Organic Supervisor



SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard
P.O. Box 880550, Hunter's Point Shipyard Bldg. 114
5427 East La Palma Avenue

• Los Angeles, California 90021 • (213) 749-3411 • Fax: (213) 746-7228
• San Francisco, California 94188 • (415) 330-3000 • Fax: (415) 330-3030
• Anaheim, California 92807 • (714) 693-1026 • Fax: (714) 693-1034

March 14, 1994

Quality Control Report Matrix Spike and Duplicate Spike

Client: Thrifty Oil Co
File No: 72546
Report No: 40631858
Matrix: Water
Method: EPA 602/8015
Lab No: 4062142104
Batch No: 4066602-1
Date Analyzed: 03/07/94

<u>PARAMETER</u>		<u>SAMPLE RESULTS</u> (ug/l)	<u>AMOUNT SPIKED</u> (ug/l)	<u>AMOUNT RECOVERED</u> (ug/l)	<u>% REC</u>	<u>SPIKE RECOVERY ACCEPTANCE RANGE(%)</u>	<u>R.P.D.</u>
Benzene	(S)	ND	11.4	13.4	118		
Benzene	(DS)	ND	11.4	13.4	117	77-120	<1%
Toluene	(S)	ND	11.4	10.5	93		
Toluene	(DS)	ND	11.4	10.4	91	75-115	2%
Ethyl Benzene	(S)	ND	11.4	11.2	98		
Ethyl Benzene	(DS)	ND	11.4	10.9	96	60-130	<1%
Xylene	(S)	ND	34.2	34.1	99		
Xylene	(DS)	ND	34.2	33.8	99	50-130	3%

S = Spike
DS = Duplicate Spike
R.P.D. = Relative Percent Difference
ND = None Detected



SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard
P.O. Box 880550, Hunter's Point Shipyard Bldg. 114
5427 East La Palma Avenue

• Los Angeles, California 90021 • (213) 749-3411 • Fax: (213) 746-7228
• San Francisco, California 94188 • (415) 330-3000 • Fax: (415) 330-3030
• Anaheim, California 92807 • (714) 693-1026 • Fax: (714) 693-1034

March 14, 1994

Quality Control Report Matrix Spike and Duplicate Spike

Client: Thrifty Oil Co
File No: 72546
Report No: 40631858
Matrix: Water
Method: EPA 602/8015
Lab No: 4063185803
Batch No: 4067602-1
Date Analyzed: 03/08/94

<u>PARAMETER</u>		<u>SAMPLE RESULTS</u> (ug/l)	<u>AMOUNT SPIKED</u> (ug/l)	<u>AMOUNT RECOVERED</u> (ug/l)	<u>% REC</u>	<u>SPIKE RECOVERY ACCEPTANCE RANGE(%)</u>	<u>R. P. D.</u>
Benzene	(S)	ND	11.4	12.2	107		
Benzene	(DS)	ND	11.4	11.9	104	77-120	3%
Toluene	(S)	ND	11.4	11.7	102		
Toluene	(DS)	ND	11.4	12.1	106	75-115	4%
Ethyl Benzene	(S)	ND	11.4	11.9	105		
Ethyl Benzene	(DS)	ND	11.4	12.9	113	60-130	7%
Xylene	(S)	ND	34.2	36.7	107		
Xylene	(DS)	ND	34.2	39.7	116	50-130	8%

S = Spike
DS = Duplicate Spike
R.P.D. = Relative Percent Difference
ND = None Detected



SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard

P.O. Box 890550, Hunter's Point Shipyard Bldg. 114

5427 East La Palma Avenue

• Los Angeles, California 90021

• San Francisco, California 94188

• Anaheim, California 92807

• (213) 749-3411

• (415) 330-3000

• (714) 693-1026

• Fax: (213) 746-7228

• Fax: (415) 330-3030

• Fax: (714) 693-1034

March 14, 1994

Quality Control Report Matrix Spike and Duplicate Spike

Client: Thrifty Oil Co
File No: 72546
Report No: 40631858
Matrix: Water
Method: EPA 602/8015
Lab No: 4063185803
Batch No: 4068602-1
Date Analyzed: 03/09/94

<u>PARAMETER</u>		<u>SAMPLE RESULTS</u> (ug/l)	<u>AMOUNT SPIKED</u> (ug/l)	<u>AMOUNT RECOVERED</u> (ug/l)	<u>% REC</u>	<u>SPIKE RECOVERY ACCEPTANCE RANGE(%)</u>	<u>R. P. D.</u>
Benzene	(S)	ND	6.8	6.3	93		
Benzene	(DS)	ND	6.8	6.7	99	77-120	6%
Toluene	(S)	ND	6.8	6.4	94		
Toluene	(DS)	ND	6.8	6.8	100	75-115	6%
Ethyl Benzene	(S)	ND	6.8	6.5	96		
Ethyl Benzene	(DS)	ND	6.8	6.9	102	60-130	6%
Xylene	(S)	ND	20.4	18.3	90		
Xylene	(DS)	ND	20.4	20.0	98	50-130	9%

S - Spike
DS - Duplicate Spike
R.P.D. - Relative Percent Difference
ND - None Detected



SMITH-EMERY COMPANY
The Full Service Independent Testing Laboratory, Established 1904

781 East Washington Boulevard
P.O. Box 880550, Hunter's Point Shipyard Bldg. 114
5427 East La Palma Avenue

• Los Angeles, California 90021
• San Francisco, California 94188
• Anaheim, California 92807

• (213) 749-3411
• (415) 330-3000
• (714) 693-1026

• Fax: (213) 745-6372
• Fax: (415) 822-5864
• Fax: (714) 693-1034

CHAIN OF CUSTODY AND ANALYSIS REQUEST

DATE: 03/02/94 PAGE 1 OF 1
FILE NO. _____ LAB NO. 4062183801

CLIENT NAME: THRIFTY OIL CO

PROJECT NAME: _____ PROJECT NO. 054 P.O. NO. _____

ADDRESS: _____

PROJECT MANAGER: MICHAEL COSBY PHONE #: _____ FAX #: _____

AMPLER NAME: EUGENIU GASMAN *Eugeniu Gasman*
(Printed) (Signature)

AT (Analytical Turn Around Time) 0 = Same Day; 1 = 24 Hour; 2 = 48 Hour; (Etc.)

ANALYSES REQUESTED:

8015M GAS DIESEL

602:8020 BTEX

418.1

REMARKS:
Cooler Temp 78°F

CONTAINER TYPES: B = Brass, G = Glass, P = Plastic, V = Voa Vial, O = Other:

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		8015M GAS	602:8020 BTEX	418.1						SAMPLE CONDITION/ COMMENTS:
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
RS-9	3-2-94	15:45		X					2	V	X	X							
RS-8	3-2-94	16:05		X					2	V	X	X							
RS-10	3-2-94	16:30		X					2	V	X	X							
RE-2	3-2-94	16:55		X					2	V	X	X							
RE-5	3-2-94	17:20		X					2	V	X	X							
PW 1	3-2-94	17:40		X					2	V	X	X							
DIP BLANK	3-2-94	6:30		X					2	V	X	X							

Requested By: (Signature and Printed Name) E. GASMAN *Eugeniu Gasman* Received By: (Signature and Printed Name) _____ Date: _____ Time: _____

Requested By: (Signature and Printed Name) _____ Received By: (Signature and Printed Name) *M. J. ...* Date: 3/4/94 Time: _____

Requested By: (Signature and Printed Name) _____ Received By: (Signature and Printed Name) _____ Date: _____ Time: _____

SAMPLE DISPOSITION:

1. Samples returned to client? YES NO

2. Samples will not be stored over 30 days, unless additional storage time is requested.

3. Storage time requested: _____ days

By _____ Date _____

SPECIAL INSTRUCTIONS:



3700 Lakeville Highway, Petaluma, CA 94954
P.O. Box 808024, Petaluma, CA 94975-8024
Telephone: (707) 763-8245
FAX (707) 763-4065

Michael Cosby
Thrifty Oil Company
10,000 Lakewood Blvd.
Downey, CA 90240


January 18, 1994

Customer Project: SS#054
Laboratory Job: L9401079

On January 11, 1994 we received 2 sample(s) for analysis.
Samples were analyzed by the following method(s):

Benzene - Niosh 1501 (Niosh 1501)


Project Manager


Laboratory Director
Robert Peak

RECEIVED

JAN 20 1994

EARTH MANAGEMENT CO.

D&M Laboratories

ANALYTICAL DATA REPORT

Prepared for: Thrifty Oil Company
 Project Id: SS#054
 Sample Id: EFFLUENT
 Lab Id: L9401079-1

Collected: 10-JAN-94
 Received: 11-JAN-94
 Reported: 17-JAN-94

Parameter	Value	Limit	Units	Extracted	Analyzed
NIOSH 1501-BENZENE					
AIR	1.00	-	L	12-JAN-94	17-JAN-94
FRONT	<	0.010	mg	12-JAN-94	17-JAN-94
BACK	<	0.010	mg	12-JAN-94	17-JAN-94
TOTAL	<	0.010	mg	12-JAN-94	17-JAN-94
mg/M3	<	10.	mg/m3	12-JAN-94	17-JAN-94
BENZENE	<	3.1	ppm	12-JAN-94	17-JAN-94

D&M Laboratories

ANALYTICAL DATA REPORT

Prepared for: Thrifty Oil Company
Project Id: SS#054
Sample Id: TRIP BLANK
Lab Id: L9401079-2

Collected: 10-JAN-94
Received: 11-JAN-94
Reported: 17-JAN-94

Parameter	Value	Limit	Units	Extracted	Analyzed
NIOSH 1501-BENZENE					
FRONT	<	0.010	mg	12-JAN-94	17-JAN-94
BACK	<	0.010	mg	12-JAN-94	17-JAN-94
TOTAL	<	0.010	mg	12-JAN-94	17-JAN-94



3700 Lakeville Highway, Petaluma, CA 94954
P.O. Box 808024, Petaluma, CA 94975-8024
Telephone: (707) 763-8245
FAX (707) 763-4065


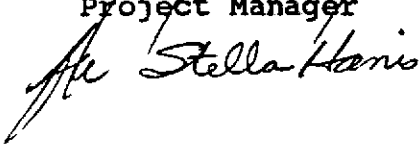
Michael Cosby
Thrifty Oil Company
10,000 Lakewood Blvd.
Downey, CA 90240

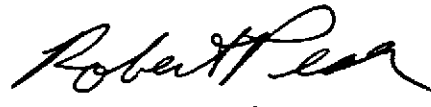
February 25, 1994

Customer Project: SS#054
Laboratory Job: L9402159

On February 23, 1994 we received 2 sample(s) for analysis.
Samples were analyzed by the following method(s):

Benzene - Niosh 1501 (Niosh 1501)


Project Manager



Laboratory Director
Robert Peak

D&M Laboratories

ANALYTICAL DATA REPORT

Prepared for: Thrifty Oil Company
 Project Id: SS#054
 Sample Id: EFFLUENT
 Lab Id: L9402159-1

Collected: 21-FEB-94
 Received: 23-FEB-94
 Reported: 24-FEB-94

Parameter	Value	Limit	Units	Extracted	Analyzed
NIOSH 1501: BENZENE					
AIR VOLUME	1.0	-	L	23-FEB-94	24-FEB-94
Front	<	0.0050	mg	23-FEB-94	24-FEB-94
Back	<	0.0050	mg	23-FEB-94	24-FEB-94
Total	<	0.0050	mg	23-FEB-94	24-FEB-94
mg/m3	<	5.0	mg/m3	23-FEB-94	24-FEB-94
BENZENE	<	1.6	ppm	23-FEB-94	24-FEB-94

D&M Laboratories

ANALYTICAL DATA REPORT

Prepared for: Thrifty Oil Company
Project Id: SS#054
Sample Id: TRIP BLANK
Lab Id: L9402159-2

Collected: 21-FEB-94
Received: 23-FEB-94
Reported: 24-FEB-94

Parameter	Value	Limit	Units	Extracted	Analyzed
NIOSH 1501: BENZENE					
Front	<	0.0050	mg	23-FEB-94	24-FEB-94
Back	<	0.0050	mg	23-FEB-94	24-FEB-94
Total	<	0.0050	mg	23-FEB-94	24-FEB-94



3700 Lakeville Highway, Petaluma, CA 94954
P.O. Box 808024, Petaluma, CA 94975-8024
Telephone: (707) 763-8245
FAX (707) 763-4065

Michael Cosby
Thrifty Oil Company
10,000 Lakewood Blvd.
Downey, CA 90240

April 8, 1994

Customer Project: SS#054
Laboratory Job: L9404023

On April 5, 1994 we received 2 sample(s) for analysis.
Samples were analyzed by the following method(s):

Benzene - Niosh 1501 (Niosh 1501)

Project Manager

Laboratory Director
Robert Peak

DEM Laboratories

ANALYTICAL DATA REPORT

Prepared for: Thrifty Oil Company
 Project Id: SS#054
 Sample Id: EFFLUENT 1L
 Lab Id: L9404023-1

Collected: 04-APR-94
 Received: 05-APR-94
 Reported: 07-APR-94

Parameter	Value	Limit	Units	Extracted	Analyzed
NIOSH 1501: BENZENE					
AIR VOLUME	1.00	-	L	07-APR-94	07-APR-94
Front	<	0.0050	mg	07-APR-94	07-APR-94
Back	<	0.0050	mg	07-APR-94	07-APR-94
Total	<	0.0050	mg	07-APR-94	07-APR-94
mg/m3	<	5.0	mg/m3	07-APR-94	07-APR-94
BENZENE	<	1.6	ppm	07-APR-94	07-APR-94

D&M Laboratories

ANALYTICAL DATA REPORT

Prepared for: Thrifty Oil Company
Project Id: SS#054
Sample Id: TRIP BLANK
Lab Id: L9404023-2

Collected: 04-APR-94
Received: 05-APR-94
Reported: 07-APR-94

Parameter	Value	Limit	Units	Extracted	Analyzed
NIOSH 1501: BENZENE					
Front	<	0.0050	mg	07-APR-94	07-APR-94
Back	<	0.0050	mg	07-APR-94	07-APR-94
Total	<	0.0050	mg	07-APR-94	07-APR-94



L4404023

3700 Lakeville Highway, Petaluma, CA 94954
P.O. Box 808024, Petaluma, CA 94975-8024
Telephone: (707) 763-8245 Fax: (707) 763-4065

SAMPLE CHAIN OF CUSTODY / WORK ORDER

Client's Name TRIFITY OIL CO Phone (307) 923-9876
Address 10000 LAKEWOOD BLVD.
City, State, Zip DOWNEY CA
Client's or Representative's Signature EUGENIU GASTMAN Eugeniu Gostman
(signature authorizes the work and terms listed below)

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pick up samples.

PROJ. NO.		PROJECT NAME					NO. OF CONTAINERS	REMARKS
		SS # 054						
SAMPLERS (Signature)							LAB USE ONLY LAB NO.	
<u>Eugeniu Gostman</u>								
STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION			
	4-4-94	12:00			EFFLUENT 1 R	1	X	
	4-4-94	12:00			TRIP BLANK	1	X	
COOLER CUSTODY SEALS INTACT <input type="checkbox"/> NOT INTACT <input checked="" type="checkbox"/>								
COOLER TEMPERATURE <u>10-0</u> °C								
SAMPLES RECEIVED IN GOOD CONDITION NO BROKEN OR LEAKING CONTAINERS								
Relinquished by: (Signature)		DATE	TIME	Received by: (Signature)		General Remarks: <u>2 CH. TU - FED. XP.</u> <u>Please send cooler + 1 copy of analysis result to</u> <u>1250 N WILSON WAY</u> <u>STOCKTON CA 95205</u>		
<u>Eugeniu Gostman</u>				<u>[Signature]</u>				
Relinquished by: (Signature)		DATE	TIME	Received by: (Signature)				
Relinquished by: (Signature)		DATE	TIME	Received by: (Signature)				



3700 Lakeville Highway, Petaluma, CA 94954
P.O. Box 808024, Petaluma, CA 94975-8024
Telephone: (707) 763-8245
FAX (707) 763-4065

Michael Cosby
Thrifty Oil Company
10,000 Lakewood Blvd.
Downey, CA 90240

March 18, 1994

Customer Project: SS #054
Laboratory Job: L9403129

On March 15, 1994 we received 2 sample(s) for analysis.
Samples were analyzed by the following method(s):

Benzene - Niosh 1501 (Niosh 1501)

Stella Wand

Project Manager

Laboratory Director
Robert Peak

D&M Laboratories

ANALYTICAL DATA REPORT

Prepared for: Thrifty Oil Company
 Project Id: SS #054
 Sample Id: EFFLUENT
 Lab Id: L9403129-1

Collected: 14-MAR-94
 Received: 15-MAR-94
 Reported: 17-MAR-94

Parameter	Value	Units	Extracted	Analyzed
NIOSH 1501: BENZENE				
AIR VOLUME	1.00	-	L	16-MAR-94 16-MAR-94
Front	<	0.0050	mg	16-MAR-94 16-MAR-94
Back	<	0.0050	mg	16-MAR-94 16-MAR-94
Total	<	0.0050	mg	16-MAR-94 16-MAR-94
mg/m3	<	5.0	mg/m3	16-MAR-94 16-MAR-94
BENZENE	<	1.6	ppm	16-MAR-94 16-MAR-94

D&M Laboratories

ANALYTICAL DATA REPORT

Prepared for: Thrifty Oil Company
Project Id: SS #054
Sample Id: TRIP BLANK
Lab Id: L9403129-2

Collected: 14-MAR-94
Received: 15-MAR-94
Reported: 17-MAR-94

Parameter	Value	Limit	Units	Extracted	Analyzed
NIOSH 1501: BENZENE					
Front	<	0.0050	ng	16-MAR-94	16-MAR-94
Back	<	0.0050	ng	16-MAR-94	16-MAR-94
Total	<	0.0050	ng	16-MAR-94	16-MAR-94

