

THRIFTY OIL CO.

October 24, 2000

O.08077

Mr. Amer Gholami
Alameda County Health Agency
Hazardous Material Specialist
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

1252

RE: **Thrifty Oil Co. #054**
2504 Castro Valley Boulevard
Castro Valley, CA 94541
3rd Quarter 2000, Status Report


Dear Mr. Gholami:

Presented herewith is the Third Quarter 2000, Status Report for Thrifty Oil Co. Station #054 located at 2504 Castro Valley Boulevard, Castro Valley, California.

Due to continued low to non-detectable hydrocarbons constituents concentrations in groundwater, Thrifty respectfully requests that the Alameda County Health Care Agency (ACHCA) grant environmental closure for this site.

If you have any questions or comments, regarding this report please contract Raymond C. Friedrichsen or me at (562) 921-3581.

Sincerely,



Chris Panaitescu
General Manager
Environmental Affairs

c: File



00 OCT 26 PM 4:14
ENVIRONMENTAL PROTECTION

THRIFTY OIL CO.

October 23, 2000

Mr. Amer Gholami
Alameda County Health Agency
Hazardous Material Specialist
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

RE: **Thrifty Oil Co. Station #054**
2504 Castro Valley Boulevard
Castro Valley, CA
3rd Quarter 2000, Status Report

Dear Mr. Gholami:

Presented herein is the Third Quarter 2000, Status Report prepared for Thrifty Oil Co. (Thrifty) Station #054 located at 2504 Castro Valley Boulevard, Castro Valley, California (**Figure 1**). Presented in this report are the results of the groundwater monitoring program, and the status of the groundwater and vapor extraction remediation operations conducted during the 3rd Quarter 2000. Thrifty has retained the services of Earth Management Company (EMC) to conduct quarterly monitoring and sampling activities at this site.

Groundwater Monitoring

Depth to groundwater is measured in each monitoring well on a quarterly basis. Historic groundwater gauging data obtained from April 11, 1988 through September 27, 2000 is presented in **Table 1**. In general, groundwater occurs under water table conditions beneath the station at depths ranging from 2.72 feet below ground surface (bgs) in monitoring well RS-9 to 9.44 feet bgs in monitoring well RS-11 (**Appendix A**). A groundwater elevation contour map based on the September 27, 2000 data is presented in **Figure 1**. The general direction of groundwater flow beneath the site is toward the south and east with a hydraulic gradient ranging from 0.03 to 0.08 feet/foot.

Quarterly Groundwater Sampling

As part of the on-going groundwater monitoring program, groundwater samples were obtained from



monitoring wells PW-1, PW-2, RE-1 through RE-7, and RS-8 through RS-11 on September 27, 2000. Groundwater samples were obtained by EMC and delivered in a chilled state in an ice chest following strict Chain-of-Custody procedures to a state-certified laboratory. Total petroleum hydrocarbons (TPH-g) were analyzed by EPA method 8015 modified for gasoline, and benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tert-butyl ether (MTBE) were analyzed by EPA method 8021B. Detected MTBE concentrations were confirmed by EPA method 8260B. Copies of the EMC Field Status Reports are presented in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

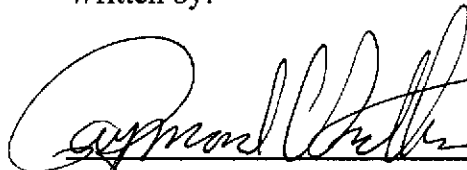
TPH-g, BTEX, and MTBE concentrations appear in **Table 1** and **Appendix B**. TPH-g, benzene, and MTBE isoconcentration maps are presented in **Figure 2, 3, and 4**, respectively. The highest concentrations of TPH-g (592 ug/L) and MTBE (1,360 ug/L) were found in monitoring well RS-9. Benzene concentrations were not detected above laboratory limits in any of the monitoring wells, except well RS-11 at 1.0 ug/L. Thrifty believes that the elevated petroleum hydrocarbon concentrations in monitoring well RS-9 is from an off site source; MTBE concentrations have increased in this well, and the well is located a significant distance up gradient of the Thrifty site. Also, since the concentration of MTBE in well RS-9 is greater than any MTBE concentrations on-site (RE-3; 160 ug/L) it stands to reason that it must be generated from an off site source. Also, the groundwater monitoring wells (RE-2, RE-5, and RE-4) between RS-9 (off-site) and RE-3 (on-site) were all below the laboratory detection limit for MTBE (**Figure 4**).

Other Activities

The soil vapor extraction and the groundwater treatment was authorized by the Alameda County Health Care Services (ACHCS) to be shut down and removed because of the low to non-detect concentrations of petroleum hydrocarbons, in a letter dated February 16, 2000. Historical vapor extraction operational data is summarized in **Table 2**. **Due to continued low to non-detectable hydrocarbon constituent concentrations in groundwater, Thrifty respectfully requests that the ACHCS grant closure for this site.**

Groundwater monitoring, gauging, and sampling at this site will continue on a quarterly basis.

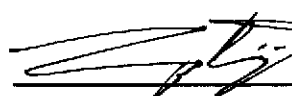
Written by:



Raymond C. Friedrichsen, REA II
Project Manager, MBA
Senior Environmental Hydrogeologist



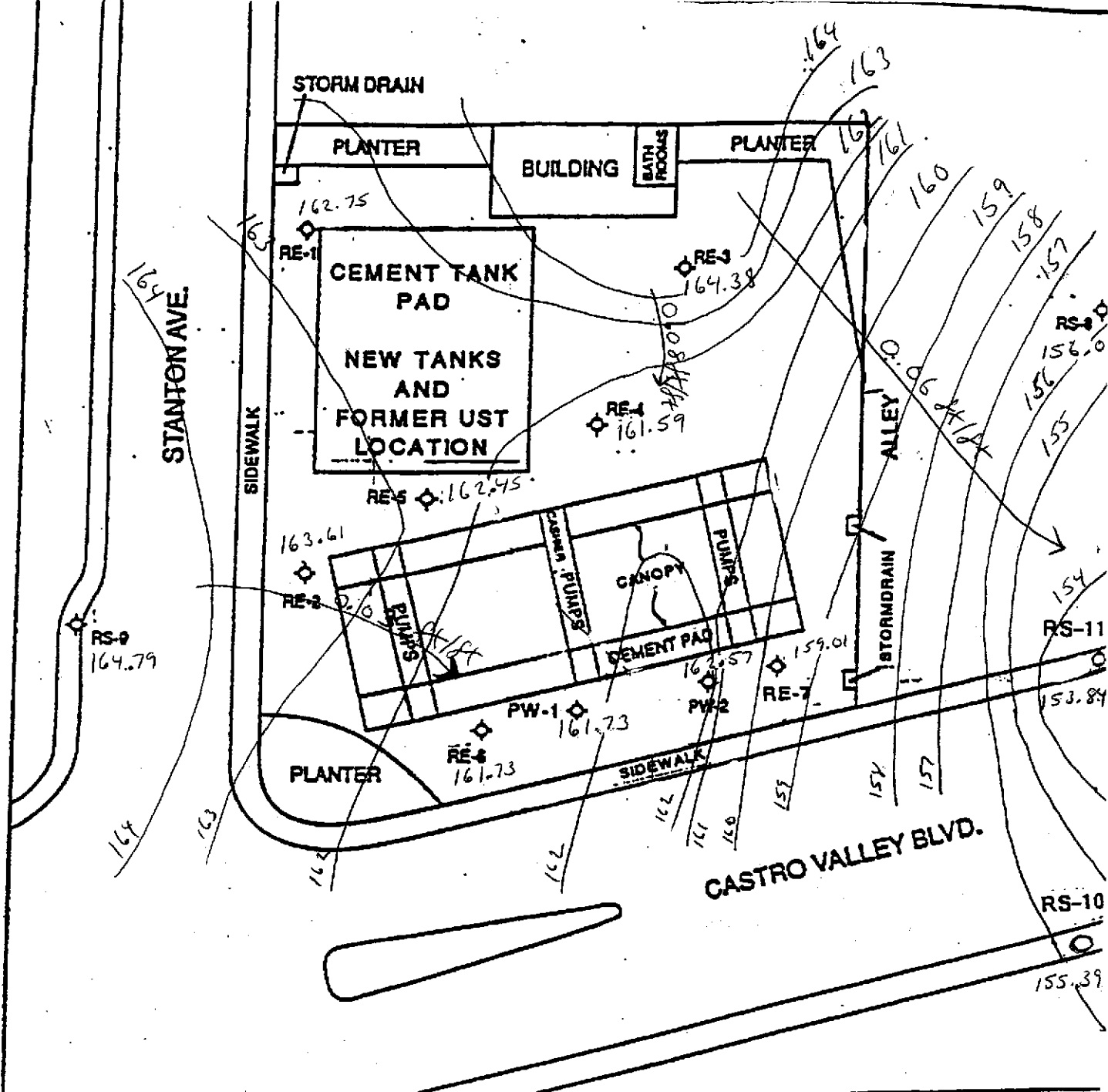
Reviewed by:



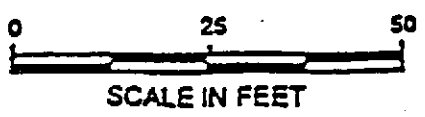
Larry Higinbotham
Registered Geologist #5400



FIGURES



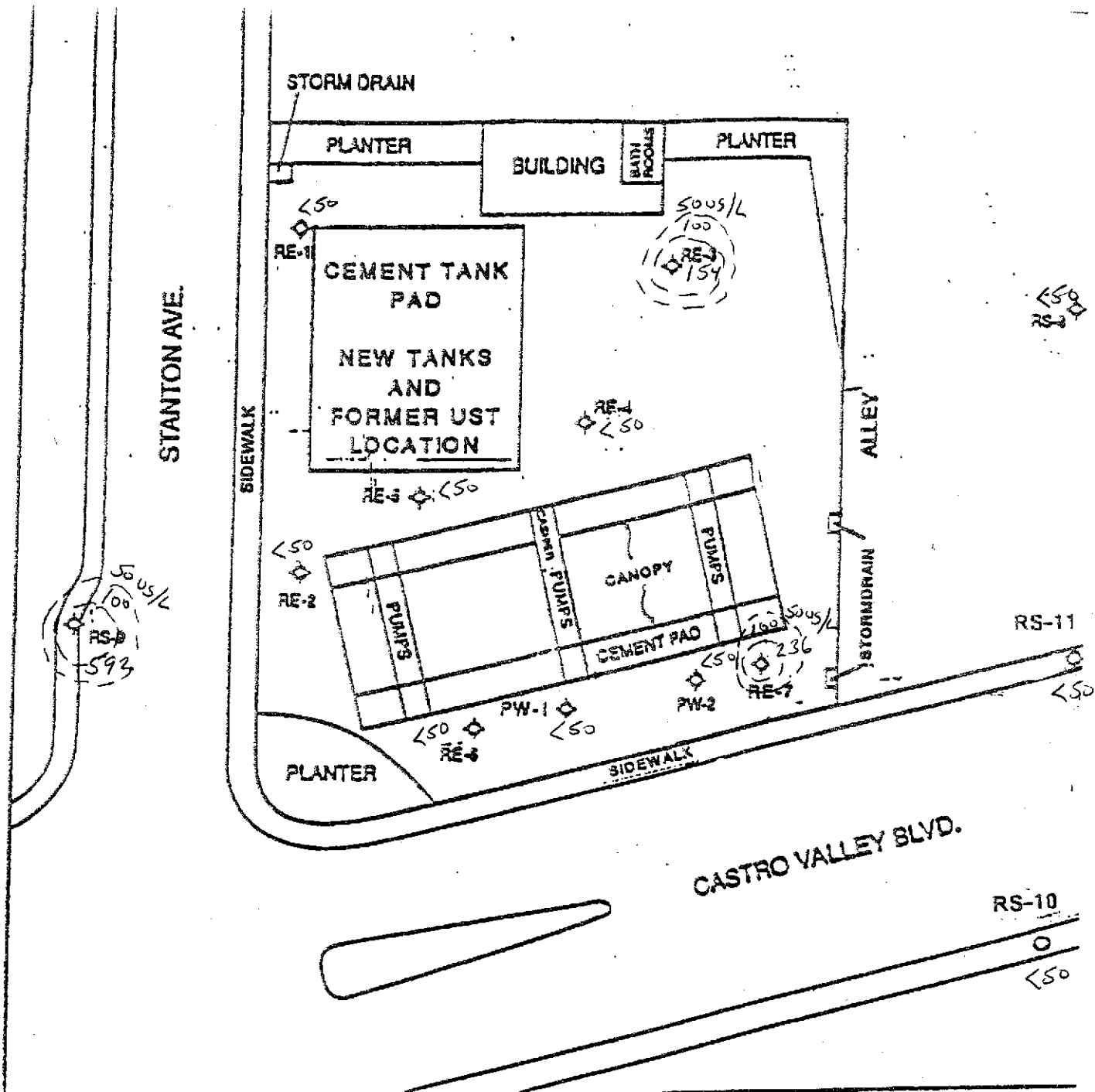
GROUNDWATER CONTOUR MAP
 THRIFTY OIL CO. #054
 CASTRO VALLEY, CALIFORNIA
 Prepared for
 THRIFTY OIL CO.
 SANTA FE, SPRINGS
 CALIFORNIA



◊ EXISTING MONITORING WELL

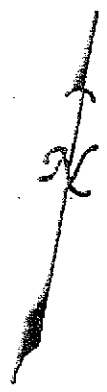
9/27/2000

FIGURE 1



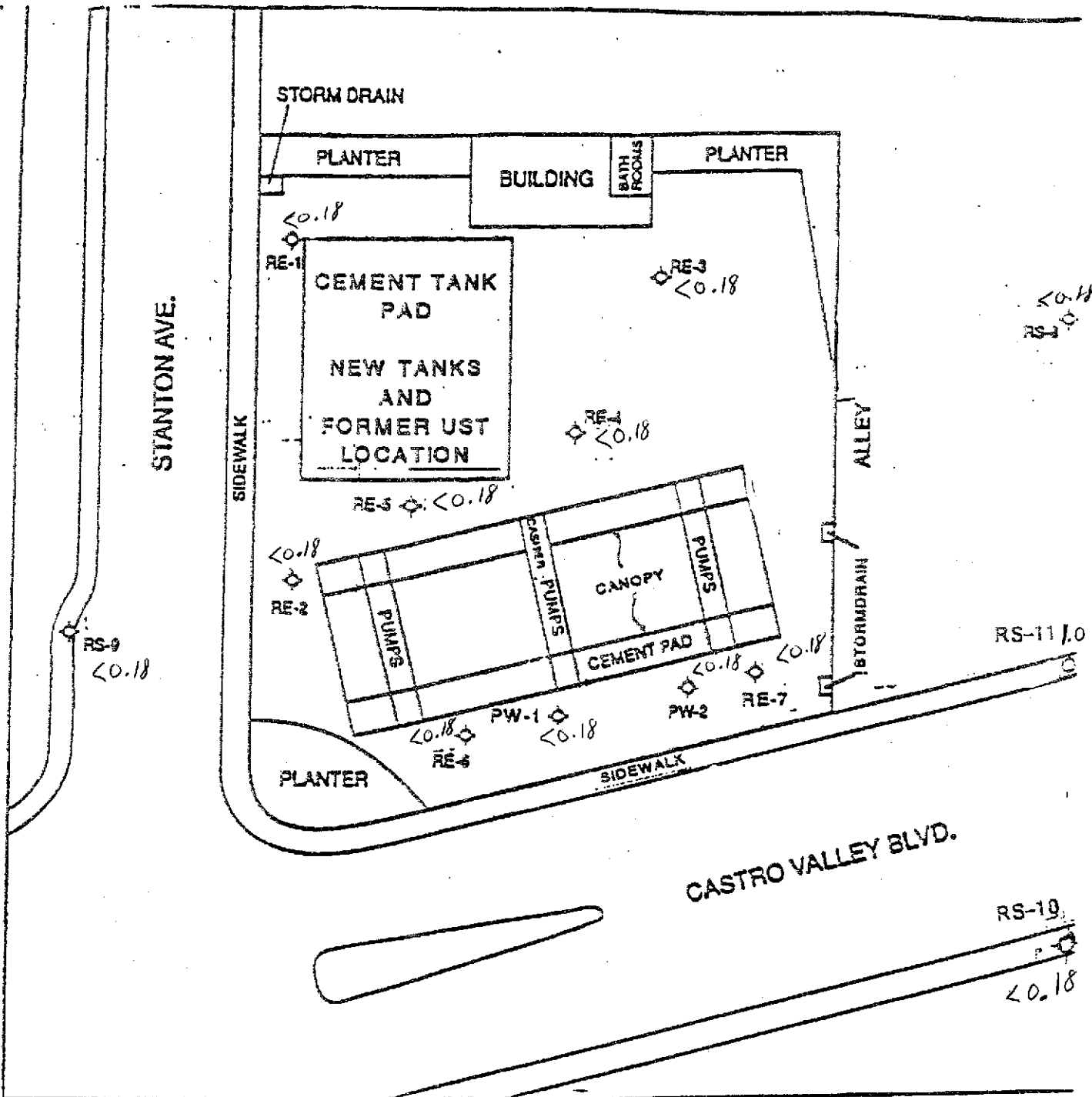
TPH GROUNDWATER ISOCONCENTRATION MAP PPB

THRIFTY OIL CO. #054
 CASTRO VALLEY, CALIFORNIA
 Prepared for
 THRIFTY OIL CO.
 SANTA FE, SPRINGS
 CALIFORNIA



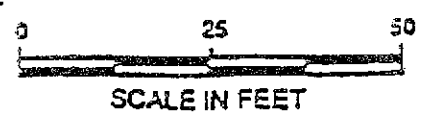
◊ EXISTING MONITORING WELL

9/27/2000 **FIGURE 2**



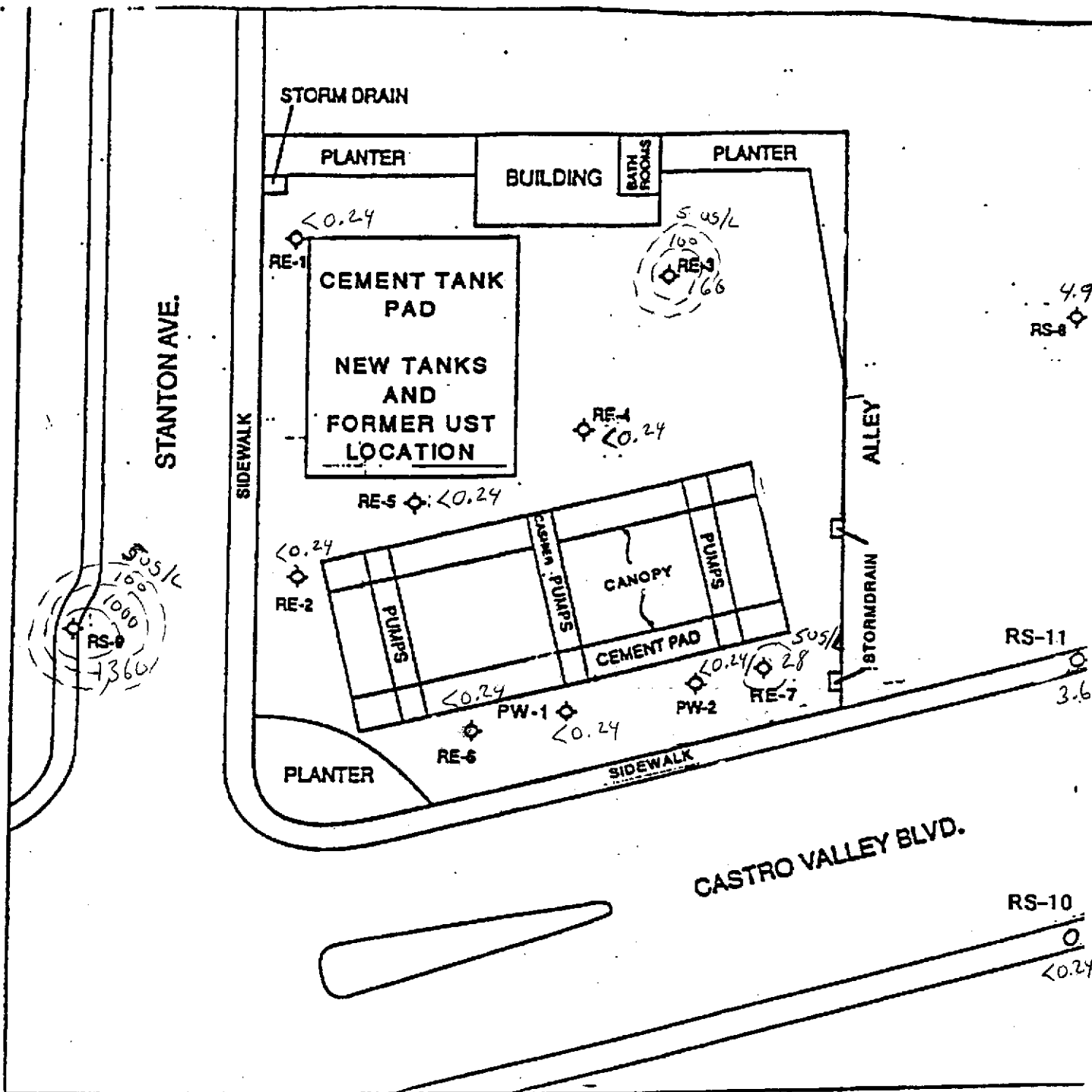
BENZENE ISOCONCENTRATION MAP PPB

THRIFTY OIL CO. #054
 CASTRO VALLEY, CALIFORNIA
 Prepared for
 THRIFTY OIL CO.
 SANTA FE, SPRINGS
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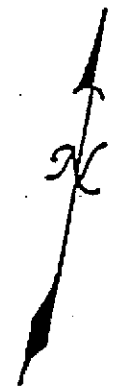
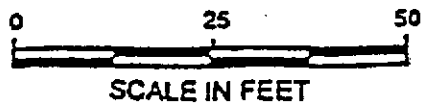


◊ EXISTING MONITORING WELL

-9/27/2000 FIGURE 3



MTBE ISOCONCENTRATION MAP ug/L
 THRIFTY OIL CO. #054
 CASTRO VALLEY, CALIFORNIA
 Prepared for
 THRIFTY OIL CO.
 SANTA FE, SPRINGS
 CALIFORNIA



EXISTING MONITORING WELL

9/27/2006

FIGURE 4

TABLE(S)

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBE (ug/L)					
MONITORING WELL #PW-1											
04/11/88	-	-	-	-	-	-	-	-	-	-	-
04/09/90	230,000	600	2,700	1,000	16,000	-	5.10	NP	0.00	166.46	161.36
10/30/90	35,000	240	970	240	3,580	-	6.17	NP	0.00	166.46	160.29
01/18/91	37,000	43	140	42	1,600	-	6.28	NP	0.00	166.46	160.18
02/12/91	45,000	99	130	25	700	-	5.88	NP	0.00	166.46	160.58
03/20/91	1,900	0.43	ND	ND	2.8	-	4.75	NP	0.00	166.46	161.71
05/22/91	41,000	600	730	250	3,800	-	5.10	NP	0.00	166.46	161.36
06/19/91	-	-	-	-	-	-	5.61	NP	0.00	166.46	160.85
07/17/91	-	-	-	-	-	-	5.53	FILM	0.00	166.46	160.93
08/07/91	-	-	-	-	-	-	5.67	FILM	0.00	166.46	160.79
09/24/91	-	-	-	-	-	-	5.57	FILM	0.00	166.46	160.89
10/23/91	-	-	-	-	-	-	6.53	FILM	0.00	166.46	159.93
11/06/91	-	-	-	-	-	-	5.85	FILM	0.00	166.46	160.61
12/04/91	-	-	-	-	-	-	5.91	FILM	0.00	166.46	160.55
01/29/92	-	-	-	-	-	-	5.43	FILM	0.00	166.46	161.03
02/26/92	-	-	-	-	-	-	5.54	FILM	0.00	166.46	160.92
03/19/92	ND	ND	ND	ND	ND	-	5.47	NP	0.00	166.46	160.99
04/22/92	-	-	-	-	-	-	5.62	FILM	0.00	166.46	160.84
05/21/92	1,300	19	2.9	0.7	58	-	6.21	NP	0.00	166.46	160.25
06/25/92	-	-	-	-	-	-	6.94	NP	0.00	166.46	159.52
07/30/92	-	-	-	-	-	-	5.90	FILM	0.00	166.46	160.56
08/20/92	-	-	-	-	-	-	7.12	FILM	0.00	166.46	159.34
09/30/92	3,400	57	ND	26	240	-	6.42	NP	0.00	166.46	160.04
12/23/92	-	-	-	-	-	-	5.56	FILM	0.00	166.46	160.90
03/10/93	-	-	-	-	-	-	5.65	FILM	0.00	166.46	160.81
06/09/93	400	<0.5	1.1	<1.0	<1.0	-	5.30	NP	0.00	166.46	161.16
09/14/93	180	3.7	3.2	1.5	14	-	5.43	NP	0.00	166.46	161.03
12/14/93	<50	<0.3	<0.3	<0.3	<0.5	-	4.65	NP	0.00	166.46	161.81
03/02/94	<50	<0.3	<0.3	<0.3	<0.5	-	5.43	NP	0.00	166.46	161.03
06/06/94	330	1.3	<0.3	0.88	9.8	-	4.70	NP	0.00	166.46	161.76
09/06/94	1,100	67	<0.3	<0.3	24	-	6.48	NP	0.00	166.46	159.98
12/07/94	<50	<0.3	<0.3	<0.5	<0.5	-	5.22	NP	0.00	166.46	161.24
03/08/95	<100	<0.5	<0.5	<0.5	<1	-	6.94	NP	0.00	166.46	159.52
06/15/95	260	0.8	0.6	<0.5	3.2	-	5.72	NP	0.00	166.46	160.74

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
10/23/91	-	-	-	-	-	-	7.25	FILM	0.00	166.18	158.93
11/06/91	-	-	-	-	-	-	6.44	FILM	0.00	166.18	159.74
12/04/91	-	-	-	-	-	-	6.65	FILM	0.00	166.18	159.53
01/29/92	-	-	-	-	-	-	6.17	FILM	0.00	166.18	160.01
02/26/92	-	-	-	-	-	-	5.90	FILM	0.00	166.18	160.28
03/19/92	-	-	-	-	-	-	5.80	FILM	0.00	166.18	160.38
04/22/92	-	-	-	-	-	-	5.88	FILM	0.00	166.18	160.30
05/21/92	-	-	-	-	-	-	6.03	FILM	0.00	166.18	160.15
06/25/92	-	-	-	-	-	-	6.57	FILM	0.00	166.18	159.61
07/30/92	-	-	-	-	-	-	6.20	FILM	0.00	166.18	159.98
08/20/92	-	-	-	-	-	-	6.64	FILM	0.00	166.18	159.54
09/30/92	-	-	-	-	-	-	6.88	FILM	0.00	166.18	159.30
12/23/92	-	-	-	-	-	-	6.08	FILM	0.00	166.18	160.10
03/10/93	-	-	-	-	-	-	5.95	FILM	0.00	166.18	160.23
06/09/93	3,400	24	22	<0.5	240	-	5.38	NP	0.00	166.18	160.80
09/14/93	4,900	190	15	6.8	480	-	6.26	NP	0.00	166.18	159.92
12/14/93	1,700	4.2	<0.3	<0.3	<0.5	-	5.22	NP	0.00	166.18	160.96
03/02/94	-	-	-	-	-	-	5.75	FILM	0.00	166.18	160.43
06/06/94	980	25	1.2	<0.3	42	-	5.25	NP	0.00	166.18	160.93
09/06/94	3,200	95	3.0	<1.7	76	-	6.80	NP	0.00	166.18	159.38
12/07/94	510	1.8	<0.3	<0.5	1.7	-	5.57	NP	0.00	166.18	160.61
03/08/95	1,900	<0.5	<0.5	1.4	35	-	4.10	NP	0.00	166.18	162.08
06/15/95	1,700	5.6	<0.5	<0.5	1.6	-	5.44	NP	0.00	166.18	160.74
09/05/95	2,500	33	1.0	0.86	18	-	6.13	NP	0.00	166.18	160.05
11/21/95	2,800	130	59	18	190	-	6.23	NP	0.00	166.18	159.95
03/11/96	13,000	330	460	<15	3,800	-	4.48	NP	0.00	166.18	161.70
06/19/96	1,400	<0.3	<0.3	<0.3	<0.5	-	5.38	NP	0.00	166.18	160.80
09/16/96	3,500	<0.3	<0.3	<0.3	<0.5	5,900	5.21	NP	0.00	166.18	160.97
12/10/96	2,100	<0.3	<0.3	<0.3	<0.5	4,700	4.87	NP	0.00	166.18	161.31
03/12/97	600	1.6	<0.3	<0.3	5.8	1,100	4.43	NP	0.00	166.18	161.75
06/12/97	270	<0.3	<0.3	<0.3	<0.5	630	-	-	-	-	-
09/10/97	220	<0.3	<0.3	<0.3	<0.5	320	4.07	NP	0.00	166.18	162.11
12/09/97	120	<0.3	0.73	<0.3	<0.5	420	5.20	NP	0.00	166.18	160.98
03/03/98	<50	0.43	0.48	<0.3	<0.5	47	3.30	NP	0.00	166.18	162.88
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
12/23/92	-	-	-	-	-	-	4.81	FILM	0.00	166.82	162.01
03/10/93	-	-	-	-	-	-	4.13	FILM	0.00	166.82	162.69
06/09/93	-	-	-	-	-	-	4.48	FILM	0.00	166.82	162.34
09/14/93	19,000	3,600	1,100	740	4,300	-	5.35	NP	0.00	166.82	161.47
12/14/93	38,000	4,300	1,300	<6.6	11	-	4.38	NP	0.00	166.82	162.44
03/02/94	-	-	-	-	-	-	4.22	FILM	0.00	166.82	162.60
06/06/94	-	-	-	-	-	-	2.16	FILM	0.00	166.82	164.66
09/06/94	74,000	3,300	3,900	1,200	6,100	-	5.00	NP	0.00	166.82	161.82
12/07/94	30,000	3,200	2,900	1,200	4,600	-	4.10	NP	0.00	166.82	162.72
03/08/95	28,000	4,200	2,300	810	7,800	-	3.92	NP	0.00	166.82	162.90
06/15/95	-	-	-	-	-	-	-	-	-	-	-
09/05/95	-	-	-	-	-	-	4.78	FILM	0.00	166.82	162.04
11/21/95	-	-	-	-	-	-	4.82	NP	0.00	166.82	162.00
03/11/96	270	2.4	6.0	4.5	19	-	3.32	NP	0.00	166.82	163.50
06/19/96	3,000	570	63	<1.5	400	-	4.20	NP	0.00	166.82	162.62
09/16/96	7,700	440	69	<1.5	680	230	4.68	NP	0.00	166.82	162.14
12/10/96	52	<0.3	<0.3	<0.3	<0.5	120	4.93	NP	0.00	166.82	161.89
03/12/97	8,700	180	5.4	40	1,100	130	4.10	NP	0.00	166.82	162.72
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	36	-	-	-	-	-
09/16/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.55	NP	0.00	166.82	162.27
12/09/97	<50	<0.3	0.44	<0.3	<0.5	<20	5.30	NP	0.00	166.82	161.52
03/03/98	1,100	13	0.51	<0.3	<0.5	220	4.55	NP	0.00	166.82	162.27
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-
09/10/98	60	<0.3	<0.3	<0.3	<0.5	180	6.05	NP	0.00	166.82	160.77
12/30/98	<50	1.1	<0.3	<0.3	<0.5	<5	5.65	NP	0.00	166.82	161.17
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	5.68	NP	0.00	166.82	161.14
06/22/99	880	14	0.98	<0.3	8.1	260	4.95	NP	0.00	166.82	161.87
09/08/99	72	<0.3	<0.3	<0.3	<0.5	120	4.46	NP	0.00	166.82	162.36
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5	4.08	NP	0.00	166.82	162.74
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5	3.68	NP	0.00	166.82	163.14
06/08/00	<50	<5	<5	<5	<5	<5	4.07	NP	0.00	166.82	162.75
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.07	NP	0.00	166.82	162.75

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #RE-2											
04/11/88	-	-	-	-	-	-	-	-	-	-	-
04/09/90	850	5.8	0.5	4.8	1.1	-	4.90	NP	0.00	167.19	162.29
10/30/90	440	2.8	0.91	13	3.14	-	5.34	NP	0.00	167.19	161.85
01/18/91	1,100	8.4	3.1	ND	10	-	4.90	NP	0.00	167.19	162.29
02/12/91	1,100	5.9	ND	1.77	ND	-	4.94	NP	0.00	167.19	162.25
03/20/91	550	4.3	ND	ND	ND	-	4.32	NP	0.00	167.19	162.87
05/22/91	1,000	5.3	3.6	4.4	8.9	-	4.43	NP	0.00	167.19	162.76
06/19/91	700	2.1	1.4	3.8	3.5	-	6.43	NP	0.00	167.19	160.76
07/17/91	880	12	8.0	4.3	28	-	4.75	NP	0.00	167.19	162.44
08/07/91	-	3.8	1.6	ND	ND	-	4.87	NP	0.00	167.19	162.32
09/24/91	670	7.2	7.1	ND	23	-	5.50	NP	0.00	167.19	161.69
10/23/91	2,700	52	60	22	130	-	5.63	NP	0.00	167.19	161.56
11/06/91	1,900	18	61	9.1	83	-	5.14	NP	0.00	167.19	162.05
12/04/91	1,100	26	47	4.3	42	-	5.26	NP	0.00	167.19	161.93
01/29/92	900	14	24	5.3	19	-	5.11	NP	0.00	167.19	162.08
02/26/92	500	3.4	3.5	2.7	2.7	-	4.31	NP	0.00	167.19	162.88
03/19/92	1,200	14	20	15	18	-	4.45	NP	0.00	167.19	162.74
04/22/92	200	ND	ND	ND	ND	-	4.78	NP	0.00	167.19	162.41
05/21/92	500	7.5	6.8	3.9	7.4	-	5.02	NP	0.00	167.19	162.17
06/25/92	ND	ND	0.9	0.7	ND	-	5.13	NP	0.00	167.19	162.06
07/30/92	500	7.7	8.6	3.2	1.7	-	5.19	NP	0.00	167.19	162.00
08/20/92	1,100	6.6	4.5	2.7	2.0	-	5.27	NP	0.00	167.19	161.92
09/30/92	500	5.4	2.4	1.8	4.5	-	5.45	NP	0.00	167.19	161.74
12/23/92	800	1.9	ND	ND	2.3	-	4.60	NP	0.00	167.19	162.59
03/10/93	1,200	ND	1.4	ND	2.1	-	4.18	NP	0.00	167.19	163.01
06/09/93	200	ND	ND	ND	ND	-	4.53	NP	0.00	167.19	162.66
09/17/93	360	1.6	1.1	3.2	8.9	-	5.26	NP	0.00	167.19	161.93
12/14/93	260	5.6	3.9	<0.3	21.0	-	2.75	NP	0.00	167.19	164.44
03/02/94	410	<0.3	<0.3	<0.3	<0.5	-	4.27	NP	0.00	167.19	162.92
06/06/94	760	4.6	<0.3	0.32	1.3	-	4.88	NP	0.00	167.19	162.31
09/06/94	1,300	43	45	8.9	69	-	5.16	NP	0.00	167.19	162.03
12/07/94	-	-	-	-	-	-	4.16	NP	0.00	167.19	163.03
03/08/95	<100	<0.5	<0.5	<0.5	<1	-	3.96	NP	0.00	167.19	163.23
06/15/95	130	<0.5	<0.5	<0.5	<1	-	4.52	NP	0.00	167.19	162.67

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/05/95	210	<0.5	<0.5	<0.5	<1	-	4.76	NP	0.00	167.19	162.43
11/21/95	160	0.65	<0.3	0.35	0.95	-	4.83	NP	0.00	167.19	162.36
03/11/96	<50	<0.3	<0.3	<0.3	<0.5	-	3.36	NP	0.00	167.19	163.83
06/19/96	<50	<0.3	<0.3	<0.3	<0.5	-	4.68	NP	0.00	167.19	162.51
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.10	NP	0.00	167.19	162.09
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	4.47	NP	0.00	167.19	162.72
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.05	NP	0.00	167.19	163.14
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.08	NP	0.00	167.19	163.11
12/09/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.40	NP	0.00	167.19	162.79
03/03/98	<50	<0.3	<0.3	<0.3	<0.5	<20	3.30	NP	0.00	167.19	163.89
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	15	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5	4.93	NP	0.00	167.19	162.26
12/30/98	460	0.92	<0.3	<0.3	<0.5	1,400	4.20	NP	0.00	167.19	162.99
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	4.20	NP	0.00	167.19	162.99
06/22/99	2,900	7.4	<0.3	0.43	4.1	4,500	3.70	NP	0.00	167.19	163.49
09/08/99	1,400	<3	<3	<3	<5	3,200	3.96	NP	0.00	167.19	163.23
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5	3.58	NP	0.00	167.19	163.61
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5	3.19	NP	0.00	167.19	164.00
06/08/00	<50	<5	<5	<5	<5	<5	3.18	NP	0.00	167.19	164.01
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.58	NP	0.00	167.19	163.61
MONITORING WELL #RE-3											
04/11/88	70,000	6,600	5,300	800	13,000	-	-	-	-	-	-
04/09/90	370,000	2,300	4,900	3,200	31,000	-	7.15	NP	0.00	167.39	160.24
10/30/90	13,000	860	660	220	2,210	-	7.84	NP	0.00	167.39	159.55
01/18/91	42,000	4,700	4,500	21	7,700	-	6.90	NP	0.00	167.39	160.49
02/12/91	72,000	3,600	4,500	ND	7,600	-	6.62	NP	0.00	167.39	160.77
03/20/91	65,000	2,400	9,400	50	9,800	-	5.87	NP	0.00	167.39	161.52
05/22/91	-	-	-	-	-	-	5.98	FILM	0.00	167.39	161.41
06/19/91	-	-	-	-	-	-	6.84	FILM	0.00	167.39	160.55
07/17/91	-	-	-	-	-	-	7.10	FILM	0.00	167.39	160.29
08/07/91	-	-	-	-	-	-	7.30	FILM	0.00	167.39	160.09
09/24/91	-	-	-	-	-	-	7.84	FILM	0.00	167.39	159.55

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBE (ug/L)					
10/23/91	-	-	-	-	-	-	8.07	FILM	0.00	167.39	159.32
11/06/91	-	-	-	-	-	-	7.63	FILM	0.00	167.39	159.76
12/04/91	-	-	-	-	-	-	7.83	FILM	0.00	167.39	159.56
01/29/92	-	-	-	-	-	-	7.17	FILM	0.00	167.39	160.22
02/26/92	-	-	-	-	-	-	5.56	FILM	0.00	167.39	161.83
03/19/92	-	-	-	-	-	-	5.44	FILM	0.00	167.39	161.95
04/22/92	-	-	-	-	-	-	6.56	FILM	0.00	167.39	160.83
05/21/92	-	-	-	-	-	-	6.90	FILM	0.00	167.39	160.49
06/25/92	-	-	-	-	-	-	7.18	FILM	0.00	167.39	160.21
07/30/92	-	-	-	-	-	-	6.80	FILM	0.00	167.39	160.59
08/20/92	-	-	-	-	-	-	7.25	FILM	0.00	167.39	160.14
09/30/92	-	-	-	-	-	-	7.68	FILM	0.00	167.39	159.71
12/23/92	-	-	-	-	-	-	6.07	FILM	0.00	167.39	161.32
03/10/93	-	-	-	-	-	-	5.66	FILM	0.00	167.39	161.73
06/09/93	-	-	-	-	-	-	6.66	FILM	0.00	167.39	160.73
09/14/93	40,000	2,900	1,500	180	6,900	-	7.30	NP	0.00	167.39	160.09
12/14/93	-	-	-	-	-	-	5.95	NP	0.00	167.39	161.44
03/02/94	-	-	-	-	-	-	5.08	NP	0.00	167.39	162.31
06/06/94	-	-	-	-	-	-	6.35	FILM	0.00	167.39	161.04
09/06/94	11,000	260	26	<6.6	1,000	-	7.50	NP	0.00	167.39	159.89
12/07/94	-	-	-	-	-	-	5.48	FILM	0.00	167.39	161.91
03/08/95	-	-	-	-	-	-	5.18	FILM	0.00	167.39	162.21
06/15/95	-	-	-	-	-	-	-	-	-	-	-
09/05/95	-	-	-	-	-	-	6.84	FILM	0.00	167.39	160.55
11/21/95	10,000	210	<3	4.5	330	-	7.38	NP	0.00	167.39	160.01
03/11/96	1,600	640	15	10	46	-	4.85	NP	0.00	167.39	162.54
06/19/96	2,100	280	<3	<3	120	-	5.80	NP	0.00	167.39	161.59
09/16/96	140	<0.3	<0.3	<0.3	<0.5	110	4.50	NP	0.00	167.39	162.89
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.35	NP	0.00	167.39	162.04
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	3.48	NP	0.00	167.39	163.91
06/12/97	<50	<0.3	<0.3	<0.3	0.58	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	3.10	NP	0.00	167.39	164.29
12/09/97	3,600	1,000	1,000	<6	570	260	4.55	NP	0.00	167.39	162.84
03/03/98	2,800	20	0.65	0.39	16	5,600	2.30	NP	0.00	167.39	165.09
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	23	4.95	NP	0.00	167.39	162.44
12/30/98	<50	1.1	<0.3	<0.3	<0.5	<5	4.55	NP	0.00	167.39	162.84
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	4.15	NP	0.00	167.39	163.24
06/22/99	670	17	1.2	0.36	1.7	340	3.85	NP	0.00	167.39	163.54
09/08/99	140	0.72	<0.3	<0.3	<0.5	230	2.63	NP	0.00	167.39	164.76
12/01/99	95	<0.3	<0.3	<0.3	<0.5	200	2.63	NP	0.00	167.39	164.76
03/23/00	315	<0.25	<0.25	<0.25	<0.5	*293/422	2.25	NP	0.00	167.39	165.14
06/08/00	<100	<5	<5	<5	<5	201	3.02	NP	0.00	167.39	164.37
09/27/00	154	<0.18	<0.14	<0.18	<0.26	*254 / 160	3.01	NP	0.00	167.39	164.38
MONITORING WELL #RE-4											
04/11/88	15,000	12,000	8,000	1,000	2,700	-	-	-	-	-	-
04/09/90	-	-	-	-	-	-	-	-	-	-	-
10/30/90	87,000	7,200	10,000	1,600	12,900	-	7.04	NP	0.00	166.94	159.90
01/18/91	70,000	5,000	5,400	790	9,900	-	11.62	NP	0.00	166.94	155.32
02/12/91	87,000	5,200	2,800	240	11,000	-	11.63	NP	0.00	166.94	155.31
03/20/91	6,500	370	230	17	670	-	11.61	NP	0.00	166.94	155.33
05/22/91	-	-	-	-	-	-	10.30	FILM	0.00	166.94	156.64
06/19/91	-	-	-	-	-	-	11.10	FILM	0.00	166.94	155.84
07/17/91	-	-	-	-	-	-	6.20	FILM	0.00	166.94	160.74
08/17/91	-	-	-	-	-	-	8.15	FILM	0.00	166.94	158.79
09/24/91	-	-	-	-	-	-	10.40	FILM	0.00	166.94	156.54
10/23/91	-	-	-	-	-	-	11.20	FILM	0.00	166.94	155.74
11/06/91	-	-	-	-	-	-	6.62	FILM	0.00	166.94	160.32
12/04/91	-	-	-	-	-	-	11.20	ILM	0.00	166.94	155.74
01/29/92	-	-	-	-	-	-	7.72	FILM	0.00	166.94	159.22
02/26/92	-	-	-	-	-	-	5.13	FILM	0.00	166.94	161.81
03/19/92	-	-	-	-	-	-	5.00	FILM	0.00	166.94	161.94
04/22/92	-	-	-	-	-	-	5.94	FILM	0.00	166.94	161.00
05/21/92	-	-	-	-	-	-	5.40	FILM	0.00	166.94	161.54
06/25/92	-	-	-	-	-	-	5.71	FILM	0.00	166.94	161.23
07/30/92	-	-	-	-	-	-	6.33	FILM	0.00	166.94	160.61
08/20/92	-	-	-	-	-	-	5.80	FILM	0.00	166.94	161.14
09/30/92	-	-	-	-	-	-	6.34	FILM	0.00	166.94	160.60

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MtBE (ug/L)					
12/23/92	-	-	-	-	-	-	5.50	FILM	0.00	166.94	161.44
03/10/93	-	-	-	-	-	-	4.67	FILM	0.00	166.94	162.27
06/09/93	-	-	-	-	-	-	5.12	FILM	0.00	166.94	161.82
09/14/93	-	-	-	-	-	-	10.44	NP	0.00	166.94	156.50
12/14/93	-	-	-	-	-	-	7.52	NP	0.00	166.94	159.42
03/02/94	-	-	-	-	-	-	4.85	NP	0.00	166.94	162.09
06/06/94	-	-	-	-	-	-	5.20	FILM	0.00	166.94	161.74
09/06/94	-	-	-	-	-	-	9.85	FILM	0.00	166.94	157.09
12/07/94	-	-	-	-	-	-	5.20	FILM	0.00	166.94	161.74
03/08/95	-	-	-	-	-	-	4.98	FILM	0.00	166.94	161.96
06/15/95	-	-	-	-	-	-	-	-	-	-	-
09/05/95	-	-	-	-	-	-	13.72	FILM	0.00	166.94	153.22
11/21/95	32,000	46	21	66	340	-	12.53	NP	0.00	166.94	154.41
03/11/96	1,700	130	15	2.0	120	-	4.72	NP	0.00	166.94	162.22
06/19/96	1,700	230	30	0.35	100	-	5.40	NP	0.00	166.94	161.54
09/16/96	510	<0.3	0.73	<0.3	<0.5	800	5.18	NP	0.00	166.94	161.76
12/10/96	520	<0.3	<0.3	<0.3	<0.5	1,000	4.65	NP	0.00	166.94	162.29
03/12/97	420	3.2	<0.3	<0.3	11	370	3.87	NP	0.00	166.94	163.07
06/12/97	510	0.66	<0.3	<0.3	<0.5	1,600	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	5.40	NP	0.00	166.94	161.54
12/09/97	1,400	330	2.3	<0.3	1.5	2,500	4.60	NP	0.00	166.94	162.34
03/03/98	3,000	400	0.61	0.5	97	3,800	5.05	NP	0.00	166.94	161.89
07/08/98	650	<0.3	<0.3	<0.3	<0.5	1,800	-	-	-	-	-
09/10/98	2,700	<0.3	<0.3	<0.3	1.4	7,600	4.60	NP	0.00	166.94	162.34
12/30/98	530	<0.3	<0.3	<0.3	<0.5	1,500	4.20	NP	0.00	166.94	162.74
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	3.85	NP	0.00	166.94	163.09
06/22/99	1,200	23	1.5	<0.3	2.4	1,400	3.90	NP	0.00	166.94	163.04
09/08/99	590	1.5	<0.6	<0.6	<1	1,100	5.72	NP	0.00	166.94	161.22
12/01/99	540	<0.3	<0.3	<0.3	<0.5	880	5.34	NP	0.00	166.94	161.60
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5	5.36	NP	0.00	166.94	161.58
06/08/00	67	<5	<5	<5	<5	<5	5.34	NP	0.00	166.94	161.60
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.35	NP	0.00	166.94	161.59

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBE (ug/L)					
MONITORING WELL #RE-5											
04/11/88	14,000	1,300	1,100	100	2,600	-	-	-	-	-	-
04/09/90	3,000	690	190	40	270	-	4.79	NP	0.00	166.51	161.72
10/30/90	3,400	910	48	87	249	-	5.86	NP	0.00	166.51	160.65
01/18/91	1,400	180	8.6	0.52	48	-	4.40	NP	0.00	166.51	162.11
02/12/91	1,000	ND	ND	0.65	ND	-	4.76	NP	0.00	166.51	161.75
03/20/91	3,000	250	53	ND	110	-	5.08	NP	0.00	166.51	161.43
05/22/91	2,500	330	7.8	5.6	200	-	4.52	NP	0.00	166.51	161.99
01/19/91	2,000	59	1.6	5.1	110	-	4.39	NP	0.00	166.51	162.12
07/17/91	-	-	-	-	-	-	5.05	FILM	0.00	166.51	161.46
08/07/91	-	-	-	-	-	-	5.02	FILM	0.00	166.51	161.49
09/24/91	-	-	-	-	-	-	5.86	FILM	0.00	166.51	160.65
10/23/91	-	-	-	-	-	-	5.84	FILM	0.00	166.51	160.67
11/06/91	9,900	2,300	37	260	160	-	5.48	NP	0.00	166.51	161.03
12/04/91	4,500	1,000	27	ND	180	-	5.43	NP	0.00	166.51	161.08
01/29/92	600	6.1	2.3	ND	47	-	5.12	NP	0.00	166.51	161.39
02/26/92	500	5.4	2.7	1.2	14	-	4.93	NP	0.00	166.51	161.58
03/19/92	ND	1.7	1.1	ND	5.5	-	4.45	NP	0.00	166.51	162.06
04/22/92	1,600	240	2.2	ND	160	-	4.63	NP	0.00	166.51	161.88
05/21/92	1,200	410	37	ND	118	-	4.90	NP	0.00	166.51	161.61
06/25/92	ND	1.0	0.8	0.8	0.4	-	5.15	NP	0.00	166.51	161.36
07/30/92	ND	2.0	1.8	1.9	6.4	-	5.30	NP	0.00	166.51	161.21
08/20/92	300	1.7	3.3	0.7	12	-	5.44	NP	0.00	166.51	161.07
09/30/92	1,900	140	ND	19	35	-	5.73	NP	0.00	166.51	160.78
12/23/92	400	8.0	ND	ND	ND	-	4.75	NP	0.00	166.51	161.76
03/10/93	1,100	290	9.7	ND	75	-	4.14	NP	0.00	166.51	162.37
06/09/93	400	1.5	0.5	ND	12	-	5.42	NP	0.00	166.51	161.09
09/14/93	240	6.9	8.8	1.4	67	-	5.53	NP	0.00	166.51	160.98
12/14/93	3,300	510	5.4	4.1	55	-	478	NP	0.00	166.51	-311.49
03/02/94	2,400	270	4.5	<0.3	13	-	4.20	NP	0.00	166.51	162.31
06/06/94	730	<0.3	<0.3	0.70	22	-	5.13	NP	0.00	166.51	161.38
09/06/94	2,400	180	28	2.3	76	-	5.45	NP	0.00	166.51	161.06
12/07/94	540	5.6	<0.3	<0.5	6.9	-	4.13	NP	0.00	166.51	162.38
03/08/95	1,500	220	5.5	<0.5	83	-	5.20	NP	0.00	166.51	161.31
06/15/95	3,200	820	53	6.2	74	-	4.93	NP	0.00	166.51	161.58

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBK (ug/L)					
10/23/91	-	-	-	-	-	-	6.36	FILM	0.00	166.51	160.15
11/06/91	4,000	710	18	29	49	-	6.15	NP	0.00	166.51	160.36
12/04/91	4,100	1,100	14	33	39	-	6.19	NP	0.00	166.51	160.32
01/29/92	2,600	790	14	ND	49	-	6.70	NP	0.00	166.51	159.81
02/26/92	3,100	950	21	30	33	-	5.44	NP	0.00	166.51	161.07
03/19/92	2,200	630	14	12	40	-	5.30	NP	0.00	166.51	161.21
04/22/92	-	730	2.2	ND	40	-	6.00	NP	0.00	166.51	160.51
05/21/92	1,500	840	7.8	7.1	34	-	6.25	NP	0.00	166.51	160.26
06/25/92	<2000	740	8.0	27	28	-	6.38	NP	0.00	166.51	160.13
07/30/92	-	-	-	-	-	-	6.42	FILM	0.00	166.51	160.09
08/20/92	2,800	630	17	23	22	-	6.50	NP	0.00	166.51	160.01
09/30/92	7,800	540	ND	12	29	-	6.66	NP	0.00	166.51	159.85
12/23/92	1,800	350	ND	7.7	11	-	5.83	NP	0.00	166.51	160.68
03/10/93	3,000	830	5.6	19	16	-	5.63	NP	0.00	166.51	160.88
06/09/93	4,800	920	6.2	3.2	12	-	6.01	NP	0.00	166.51	160.50
09/14/93	3,600	660	7.5	11	27	-	6.53	NP	0.00	166.51	159.98
12/14/93	1,500	200	<0.3	<0.3	8.8	-	3.58	NP	0.00	166.51	162.93
03/02/94	-	-	-	-	-	-	5.12	NP	0.00	166.51	161.39
06/06/94	2,400	290	4.6	1.3	24	-	1.85	NP	0.00	166.51	164.66
09/06/94	4,300	230	21	<6.6	130	-	6.40	NP	0.00	166.51	160.11
12/07/94	1,500	17	2.5	3.2	22	-	5.68	NP	0.00	166.51	160.83
03/08/95	2,500	460	5.5	2.1	51	-	5.12	NP	0.00	166.51	161.39
06/15/95	2,300	91	1.1	0.7	97	-	5.72	NP	0.00	166.51	160.79
09/05/95	3,300	60	<10	<10	74	-	5.94	NP	0.00	166.51	160.57
11/21/95	2,000	7.3	<0.3	0.56	8.7	-	6.24	NP	0.00	166.51	160.27
03/11/96	840	43	0.96	5.7	14	-	5.16	NP	0.00	166.51	161.35
06/19/96	1,800	160	2.7	9.9	25	-	5.80	NP	0.00	166.51	160.71
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.38	NP	0.00	166.51	161.13
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.62	NP	0.00	166.51	160.89
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	5.20	NP	0.00	166.51	161.31
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/10/97	440	<0.3	<0.3	<0.3	<0.5	320	5.20	NP	0.00	166.51	161.31
12/09/97	<50	<0.3	<0.3	<0.3	<0.5	<20	5.97	NP	0.00	166.51	160.54
03/03/98	400	7.0	<0.3	<0.3	4.3	65	4.45	NP	0.00	166.51	162.06
07/08/98	300	<0.3	<0.3	<0.3	1.0	35	-	-	-	-	-

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
12/23/92	-	-	-	-	-	-	6.22	FILM	0.00	166.04	159.82
03/10/93	-	-	-	-	-	-	5.82	FILM	0.00	166.04	160.22
06/09/93	-	-	-	-	-	-	6.17	FILM	0.00	166.04	159.87
09/14/93	-	-	-	-	-	-	11.33	NP	0.00	166.04	154.71
12/14/93	-	-	-	-	-	-	8.40	NP	0.00	166.04	157.64
03/02/94	-	-	-	-	-	-	6.82	NP	0.00	166.04	159.22
06/06/94	-	-	-	-	-	-	10.95	FILM	0.00	166.04	155.09
09/06/94	-	-	-	-	-	-	11.30	FILM	0.00	166.04	154.74
12/07/94	-	-	-	-	-	-	5.63	FILM	0.00	166.04	160.41
03/08/95	-	-	-	-	-	-	5.06	FILM	0.00	166.04	160.98
06/15/95	-	-	-	-	-	-	-	-	-	-	-
09/05/95	-	-	-	-	-	-	7.98	FILM	0.00	166.04	158.06
11/21/95	20,000	8,800	110	<30	310	-	7.32	NP	0.00	166.04	158.72
03/11/96	4,800	2,200	38	26	120	-	5.62	NP	0.00	166.04	160.42
06/19/96	4,400	3,300	49	5.8	70	-	6.40	NP	0.00	166.04	159.64
09/19/96	7,200	510	83	<0.3	710	130	6.20	NP	0.00	166.04	159.84
12/10/96	700	<0.3	<0.3	<0.3	<0.5	1,400	5.92	NP	0.00	166.04	160.12
03/12/97	660	0.31	<0.3	<0.3	<0.5	1,400	5.62	NP	0.00	166.04	160.42
06/12/97	320	<0.3	0.45	<0.3	<0.5	850	-	-	-	-	-
09/10/97	780	<0.3	<0.3	<0.3	<0.5	930	7.45	NP	0.00	166.04	158.59
12/09/97	14,000	3,500	3,700	<15	2,100	1,100	7.10	NP	0.00	166.04	158.94
03/03/98	6,100	2,500	18	<6	110	270	6.70	NP	0.00	166.04	159.34
07/08/98	1,300	8.7	<0.3	<0.3	<0.5	350	-	-	-	-	-
09/10/98	690	2.2	<0.3	<0.3	<0.5	350	7.04	NP	0.00	166.04	159.00
12/30/98	600	2.0	0.55	<0.3	<0.5	350	6.25	NP	0.00	166.04	159.79
03/15/99	350	0.71	<0.3	<0.3	<0.5	140	6.02	NP	0.00	166.04	160.02
06/22/99	5,900	2,100	16	4.6	48	170	6.35	NP	0.00	166.04	159.69
09/08/99	1,700	380	<3	<3	13	160	7.03	NP	0.00	166.04	159.01
12/01/99	930	3.7	<0.3	<0.3	<0.5	390	6.25	NP	0.00	166.04	159.79
03/23/00	581	5.4	5.3	1.9	7.3	*168/183	6.24	NP	0.00	166.04	159.80
06/08/00	<100	<5	<5	<5	<5	74	6.64	NP	0.00	166.04	159.40
09/27/00	236	<0.18	<0.14	<0.18	<0.26	*21 / 28	7.03	NP	0.00	166.04	159.01

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #RS-8											
08/07/91	ND	ND	ND	ND	ND	-	9.68	NP	0.00	164.32	154.64
09/27/91	ND	ND	ND	ND	ND	-	9.89	NP	0.00	164.32	154.43
10/23/91	ND	ND	ND	ND	ND	-	10.05	NP	0.00	164.32	154.27
11/06/91	ND	ND	ND	ND	ND	-	9.71	NP	0.00	164.32	154.61
12/04/91	ND	ND	ND	ND	ND	-	10.00	NP	0.00	164.32	154.32
01/29/92	ND	2.1	1.0	2.5	3.6	-	9.28	NP	0.00	164.32	155.04
02/26/92	ND	ND	0.7	ND	0.7	-	7.05	NP	0.00	164.32	157.27
03/19/92	ND	0.5	1.0	1.5	2.7	-	7.30	NP	0.00	164.32	157.02
04/22/92	ND	ND	ND	ND	ND	-	8.60	NP	0.00	164.32	155.72
05/21/92	ND	ND	ND	ND	ND	-	9.22	NP	0.00	164.32	155.10
06/25/92	ND	ND	ND	ND	ND	-	9.49	NP	0.00	164.32	154.83
07/30/92	ND	1.1	4.2	ND	3.0	-	9.55	NP	0.00	164.32	154.77
08/20/92	ND	2.0	4.7	ND	5.7	-	9.63	NP	0.00	164.32	154.69
09/30/92	ND	ND	ND	ND	ND	-	9.90	NP	0.00	164.32	154.42
12/23/92	ND	ND	ND	ND	ND	-	9.96	NP	0.00	164.32	154.36
05/10/93	ND	ND	ND	ND	ND	-	8.95	NP	0.00	164.32	155.37
06/09/93	ND	ND	ND	ND	ND	-	9.00	NP	0.00	164.32	155.32
09/14/93	200	0.3	ND	ND	ND	-	9.50	NP	0.00	164.32	154.82
12/14/93	ND	ND	ND	ND	ND	-	8.75	NP	0.00	164.32	155.57
03/02/94	<50	<0.3	<0.3	<0.3	<0.5	-	7.52	NP	0.00	164.32	156.80
06/06/94	54	<0.3	<0.3	<0.3	2.4	-	9.00	NP	0.00	164.32	155.32
09/06/94	<50	<0.3	<0.3	<0.3	<0.5	-	9.26	NP	0.00	164.32	155.06
12/07/94	130	2.5	1.9	1.3	3.6	-	8.67	NP	0.00	164.32	155.65
03/08/95	<100	<0.5	<0.5	<0.5	<1	-	8.34	NP	0.00	164.32	155.98
06/15/95	<100	1.0	<0.5	<0.5	<1	-	9.12	NP	0.00	164.32	155.20
09/05/95	<100	<0.5	<0.5	<0.5	<1	-	9.56	NP	0.00	164.32	154.76
11/21/95	<50	0.44	<0.3	<0.3	1.5	-	9.28	NP	0.00	164.32	155.04
03/11/96	<50	1.3	<0.3	<0.3	0.6	-	7.52	NP	0.00	164.32	156.80
06/19/96	640	72	20	34	150	-	7.80	NP	0.00	164.32	156.52
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	20	9.18	NP	0.00	164.32	155.14
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	6.08	NP	0.00	164.32	158.24
03/12/97	53	0.45	<0.3	<0.3	<0.5	140	8.65	NP	0.00	164.32	155.67
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	68	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	8.30	NP	0.00	164.32	156.02

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
12/09/97	<50	1.7	2.1	<0.3	1.4	82	9.98	NP	0.00	164.32	154.34
03/03/98	<50	<0.3	<0.3	<0.3	<0.5	84	8.33	NP	0.00	164.32	155.99
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	97	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	97	12.95	NP	0.00	164.32	151.37
12/30/98	<50	1.3	1.5	<0.3	0.86	19	11.35	NP	0.00	164.32	152.97
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	9.6	9.85	NP	0.00	164.32	154.47
06/22/99	66	0.39	<0.3	<0.3	<0.5	62	9.90	NP	0.00	164.32	154.42
09/08/99	<50	<0.3	<0.3	<0.3	<0.5	25	9.85	NP	0.00	164.32	154.47
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	30	8.30	NP	0.00	164.32	156.02
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	*13.6/18.2	6.76	NP	0.00	164.32	157.56
06/08/00	<50	<5	<5	<5	<5	10	8.30	NP	0.00	164.32	156.02
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	*6 / 4.9	8.30	NP	0.00	164.32	156.02
MONITORING WELL #RS-9											
08/07/91	-	0.5	ND	330	1,200	-	2.28	NP	0.00	167.51	165.23
09/27/91	13,000	3.5	3.0	82	140	-	2.77	NP	0.00	167.51	164.74
10/23/91	11,000	ND	ND	39	340	-	3.53	NP	0.00	167.51	163.98
11/06/91	6,800	8.4	0.6	22	230	-	2.51	NP	0.00	167.51	165.00
12/04/91	6,500	6.5	0.7	87	200	-	3.20	NP	0.00	167.51	164.31
01/29/92	8,100	22	10	140	260	-	2.65	NP	0.00	167.51	164.86
02/26/92	13,000	40	16	220	600	-	3.42	NP	0.00	167.51	164.09
03/19/92	12,000	21	12	100	280	-	3.12	NP	0.00	167.51	164.39
04/22/92	8,600	ND	ND	20	37	-	3.24	NP	0.00	167.51	164.27
05/21/92	6,000	21	10	53	210	-	3.75	NP	0.00	167.51	163.76
06/25/92	370	2.3	1.5	0.7	4.3	-	2.65	NP	0.00	167.51	164.86
07/30/92	3,600	20	ND	39	80	-	2.70	NP	0.00	167.51	164.81
08/20/92	3,000	0.7	5.2	2.0	5.3	-	2.83	NP	0.00	167.51	164.68
09/30/92	9,200	4.8	6.5	12	91	-	2.80	NP	0.00	167.51	164.71
12/23/92	2,000	17	ND	8.2	18	-	2.45	NP	0.00	167.51	165.06
03/10/93	1,500	ND	2.6	21	12	-	2.40	NP	0.00	167.51	165.11
06/09/93	1,300	0.6	1.7	ND	7.5	-	3.55	NP	0.00	167.51	163.96
09/14/93	1,500	1.3	7.6	4.1	14	-	2.81	NP	0.00	167.51	164.70
12/14/93	560	ND	ND	ND	5.5	-	2.63	NP	0.00	167.51	164.88
03/02/94	1,100	<0.3	<0.3	<0.3	<0.5	-	2.60	NP	0.00	167.51	164.91

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
06/06/94	290	0.58	0.53	1.1	5.8	-	2.52	NP	0.00	167.51	164.99
09/06/94	890	<0.3	<0.3	<0.3	3.1	-	3.16	NP	0.00	167.51	164.35
12/07/94	940	22	23	10	32	-	5.18	NP	0.00	167.51	162.33
03/08/95	1,600	<0.5	<0.5	<0.5	2.3	-	4.57	NP	0.00	167.51	162.94
06/15/95	3,200	2.2	5.3	4.3	3.1	-	5.08	NP	0.00	167.51	162.43
09/05/95	1,100	<0.5	<0.5	<0.5	<1	-	5.72	NP	0.00	167.51	161.79
11/21/95	1,100	1.1	2.9	3.5	3.0	-	2.46	NP	0.00	167.51	165.05
03/11/96	440	0.7	0.34	<0.3	3.7	-	3.44	NP	0.00	167.51	164.07
06/19/96	580	3.8	0.49	1.2	<0.5	-	3.80	NP	0.00	167.51	163.71
09/16/96	490	<0.3	1.6	<0.3	<0.5	<20	3.80	NP	0.00	167.51	163.71
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	2.76	NP	0.00	167.51	164.75
03/12/97	<50	<0.3	0.42	<0.3	1.5	<20	3.20	NP	0.00	167.51	164.31
06/12/97	<50	<0.3	<0.3	<0.3	0.51	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.24	NP	0.00	167.51	163.27
12/09/97	<50	<0.3	0.48	<0.3	<0.5	<20	2.72	NP	0.00	167.51	164.79
03/03/98	190	<0.3	<0.3	0.38	<0.5	<20	1.90	NP	0.00	167.51	165.61
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5	2.72	NP	0.00	167.51	164.79
12/30/98	<50	<0.3	<0.3	<0.3	<0.5	<5	1.20	NP	0.00	167.51	166.31
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	4.25	NP	0.00	167.51	163.26
06/22/99	1,300	4.2	1.2	0.69	0.74	<5	3.70	NP	0.00	167.51	163.81
09/08/99	<50	<0.3	<0.3	<0.3	<0.5	<5	2.71	NP	0.00	167.51	164.80
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5	2.70	NP	0.00	167.51	164.81
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5	2.70	NP	0.00	167.51	164.81
06/08/00	585	<5	<5	<5	<5	821	2.72	NP	0.00	167.51	164.79
09/27/00	592	<0.18	<0.14	<0.18	<0.26	*1,180 / 1,360	2.72	NP	0.00	167.51	164.79
MONITORING WELL #RS-10											
08/07/91	ND	ND	ND	ND	ND	-	6.16	NP	0.00	162.89	156.73
09/27/91	ND	ND	ND	ND	ND	-	6.48	NP	0.00	162.89	156.41
10/23/91	ND	ND	ND	ND	ND	-	7.37	NP	0.00	162.89	155.52
11/06/91	ND	ND	ND	ND	ND	-	6.44	NP	0.00	162.89	156.45
12/04/91	ND	ND	ND	ND	ND	-	7.02	NP	0.00	162.89	155.87
01/29/92	ND	ND	ND	ND	ND	-	6.78	NP	0.00	162.89	156.11

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
02/26/92	ND	ND	ND	ND	ND	-	8.33	NP	0.00	162.89	154.56
03/19/92	ND	ND	ND	ND	0.6	-	8.02	NP	0.00	162.89	154.87
04/22/92	ND	ND	ND	ND	ND	-	7.78	NP	0.00	162.89	155.11
05/21/92	ND	ND	0.6	ND	1.2	-	6.21	NP	0.00	162.89	156.68
06/25/92	ND	ND	ND	ND	ND	-	7.73	NP	0.00	162.89	155.16
07/30/92	ND	ND	0.5	ND	1.0	-	7.84	NP	0.00	162.89	155.05
08/20/92	ND	ND	ND	ND	ND	-	7.50	NP	0.00	162.89	155.39
09/30/92	ND	ND	ND	ND	ND	-	7.63	NP	0.00	162.89	155.26
12/23/92	ND	ND	ND	ND	ND	-	7.24	NP	0.00	162.89	155.65
03/10/93	ND	ND	ND	ND	ND	-	6.38	NP	0.00	162.89	156.51
06/09/93	ND	ND	ND	ND	ND	-	7.98	NP	0.00	162.89	154.91
09/14/93	ND	ND	ND	ND	ND	-	7.35	NP	0.00	162.89	155.54
03/02/94	<50	<0.3	<0.3	<0.3	<0.3	-	7.00	NP	0.00	162.89	155.89
06/06/94	<50	<0.3	<0.3	<0.3	<0.5	-	6.55	NP	0.00	162.89	156.34
09/06/94	<50	<0.3	<0.3	<0.3	<0.5	-	7.63	NP	0.00	162.89	155.26
12/07/94	56	<0.3	<0.3	<0.5	2.1	-	5.92	NP	0.00	162.89	156.97
03/08/95	<100	<0.5	<0.5	<0.5	<1	-	7.84	NP	0.00	162.89	155.05
06/15/95	<100	<0.5	<0.5	<0.5	<1	-	6.97	NP	0.00	162.89	155.92
09/05/95	<100	<0.5	<0.5	<0.5	<1	-	8.14	NP	0.00	162.89	154.75
11/21/95	<50	<0.3	<0.3	<0.3	<0.5	-	7.68	NP	0.00	162.89	155.21
03/11/96	<50	<0.3	<0.3	<0.3	<0.5	-	6.76	NP	0.00	162.89	156.13
06/19/96	<50	<0.3	<0.3	<0.3	<0.5	-	7.20	NP	0.00	162.89	155.69
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	6.30	NP	0.00	162.89	156.59
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	6.05	NP	0.00	162.89	156.84
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	7.56	NP	0.00	162.89	155.33
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	7.55	NP	0.00	162.89	155.34
12/09/97	1,900	610	510	<6	290	<20	7.55	NP	0.00	162.89	155.34
03/03/98	<50	2.0	<0.3	<0.3	<0.5	27	6.03	NP	0.00	162.89	156.86
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	72	7.55	NP	0.00	162.89	155.34
12/30/98	<50	1.1	<0.3	<0.3	<0.5	<5	4.45	NP	0.00	162.89	158.44
03/15/99	<50	<0.3	<0.3	<0.3	1.3	<5	4.50	NP	0.00	162.89	158.39
06/22/99	<50	<0.3	<0.3	<0.3	<0.5	<5	9.15	NP	0.00	162.89	153.74
09/08/99	<50	<0.3	<0.3	<0.3	<0.5	<5	7.51	NP	0.00	162.89	155.38

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5	5.97	NP	0.00	162.89	156.92
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5	4.47	NP	0.00	162.89	158.42
06/08/00	<50	<5	<5	<5	<5	<5	5.97	NP	0.00	162.89	156.92
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.50	NP	0.00	162.89	155.39
MONITORING WELL #RS-11											
09/21/95	110	<0.5	<0.5	<0.5	<1	-	9.37	NP	0.00	163.28	153.91
11/21/95	-	-	-	-	-	-	-	-	-	-	-
03/11/96	-	-	-	-	-	-	-	-	-	-	-
06/19/96	-	-	-	-	-	-	-	-	-	-	-
09/16/96	-	-	-	-	-	-	-	-	-	-	-
03/12/97	74	9.5	<0.3	<0.3	0.57	<20	7.75	NP	0.00	163.28	155.53
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	9.50	NP	0.00	163.28	153.78
12/09/97	<50	0.79	1.2	<0.3	<0.5	<20	9.50	NP	0.00	163.28	153.78
03/03/98	140	22	0.63	<0.3	<0.5	<20	7.93	NP	0.00	163.28	155.35
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5	9.48	NP	0.00	163.28	153.80
12/30/98	<50	1.3	0.87	<0.3	0.55	<5	7.95	NP	0.00	163.28	155.33
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	6.40	NP	0.00	163.28	156.88
06/22/99	350	89	2.9	3.3	0.91	6.8	11.00	NP	0.00	163.28	152.28
09/08/99	99	9.1	0.37	<0.3	<0.5	<5	7.90	NP	0.00	163.28	155.38
12/01/99	82	9.7	0.44	<0.3	<0.5	<5	7.90	NP	0.00	163.28	155.38
03/23/00	73	5.8	2.3	<0.25	<0.5	*11.2 / 7.9	4.85	NP	0.00	163.28	158.43
06/08/00	306	<5	<5	<5	<5	<5	7.90	NP	0.00	163.28	155.38
09/27/00	<50	1	<0.14	<0.18	<0.26	3 J / 3.6	9.44	NP	0.00	163.28	153.84

NOTE: ND = Nondetectable
 " - " = Not Analyzed / Not Available
 NP = No Free Product
 *MTBE 8020/8260

Benzene, toluene, ethylbenzene, and xylene analyzed by EPA method 8020
 Total petroleum hydrocarbons (TPH) analyzed by EPA method 8015 modified for gasoline
 Methyl-tert Butyl Ether (MTBE) analyzed by EPA method 8020
 On June 8, 2000, BTEX and MTBE analyzed by EPA Method 8260B

TABLE 2
Vapor Extraction Operating Data
Thrifty Oil Station # 054, CASTRO VALLEY, CA

Month	Representative Date	Hour Meter Reading (hrs)	Operation Duration (hrs)	Inlet		Hydrocarbons Removed		Remark
				Average Flow (cfm)	Average FID Conc. (ppmV)	Period (lbs)	Cumulative (lbs)	
Jan-91	1/9/91	929	0	30	est. 10,000	0.0	0	
Feb-91	2/6/91	979	50	30	est. 10,000	38.0	38	
Mar-91	3/6/91	1,028	49	5	est. 10,000	6.2	44	System off 4/81 - 9/91
Oct-91	10/23/91	1,786	758	15	est. 10,000	288.0	332	
Nov-91	11/6/91	1,789	3	14	est. 10,000	1.1	333	
Dec-91	12/4/91	1,896	107	14	est. 10,000	37.9	371	
Jan-92	1/29/92	2,025	129	14	est. 10,000	45.7	417	
Feb-92	2/26/92	2,293	268	14	est. 10,000	95.0	512	System off 3/92 - 7/92
Aug-93	8/11/93	2,293	0	18	est. 10,000	0.0	512	
Sep-93	9/8/93	2,446	153	17	est. 10,000	65.9	578	
Oct-93	10/7/93	2,960	514	18	est. 10,000	234.4	812	
Nov-93	11/3/93	3,381	421	18	est. 10,000	191.9	1,004	
Dec-93	12/1/93	3,705	324	18	est. 10,000	147.7	1,152	
Jan-94	1/3/94	4,313	608	18	est. 10,000	277.2	1,429	
Feb-94	2/7/94	4,849	536	17	10,000	230.8	1,660	
Mar-94	3/7/94	5,196	347	20	10,000	175.8	1,836	
Apr-94	4/4/94	5,597	401	16	10,000	162.5	1,998	
May-94	5/2/94	6,003	406	17	est. 10,000	174.8	2,173	
Jun-94	6/6/94	6,514	511	16	10,000	207.1	2,380	
Jul-94	7/18/94	6,679	165	15	10,000	62.7	2,443	
Aug-94	8/1/94	6,735	56	16	est. 10,000	22.7	2,466	
Sep-94	9/20/94	7,340	605	16	est. 10,000	245.2	2,711	
Oct-94	10/5/94	7,554	214	15	est. 10,000	81.3	2,792	
Dec-94	12/13/94	7,656	102	15	est. 10,000	38.8	2,831	
Jan-95	1/6/95	7,742	86	12	est. 10,000	26.1	2,857	
Feb-95	2/14/95	7,906	164	13	est. 10,000	54.0	2,911	
Mar-95	3/2/95	7,976	70	15	est. 10,000	26.6	2,938	
Apr-95	4/7/95	8,009	33	8	est. 10,000	6.7	2,944	
May-95	5/5/95	8,405	396	16	est. 10,000	160.5	3,105	
Jun-95	6/1/95	8,436	31	16	est. 10,000	12.6	3,117	
Jul-95	7/7/95	8,834	398	16	est. 10,000	161.3	3,279	
Aug-95	8/3/95	8,910	76	16	10,000	30.8	3,309	
Sep-95	9/5/95	9,068	158	16	est. 10,000	64.0	3,373	
Oct-95	10/24/95	9,163	95	14	est. 10,000	33.7	3,407	
Nov-95	11/2/95	9,194	31	16	est. 10,000	12.6	3,420	
Jan-96	1/4/96	8,930	0	9	est. 10,000	0.0	3,420	Replaced hour meter (8930)
Feb-96	2/1/96	8,991	61	8	est. 10,000	12.4	3,432	System off 2/96 - 4/96
Apr-96	4/25/96	9,084	93	8	210	0.4	3,432	
May-96	5/2/96	9,124	40	12	220	0.3	3,433	
Jun-96	6/3/96	9,279	155	9	1,000	3.5	3,436	
Jul-96	7/2/96	9,370	91	17	420	1.6	3,438	
Aug-96	8/1/96	9,391	21	9	340	0.2	3,438	
Sep-96	9/5/96	9,721	330	17	est. 340	4.8	3,443	
Oct-96	10/24/96	9,773	52	7	est. 340	0.3	3,443	
Dec-96	12/26/96	9,776	3	8	est. 340	0.0	3,443	System off 10/96 - 12/96
Apr-97	4/3/97	9,781	5	15	10,000	1.9	3,445	System off 1/97 - 4/97
May-97	5/1/97	10,032	251	15	9,800	93.5	3,539	
Jun-97	6/12/97	10,663	631	11	est. 9,000	158.2	3,697	
Jul-97	7/3/97	10,712	49	12	est. 9,000	13.4	3,710	
Aug-97	8/7/97	10,950	238	12	est. 9,000	65.1	3,775	
Sep-97	9/3/97	11,136	186	16	est. 9,000	67.8	3,843	
Oct-97	10/9/97	11,320	184	12	est. 9,000	50.3	3,893	
Nov-97	11/6/97	11,452	132	17	est. 9,000	51.2	3,945	
Dec-97	12/4/97	11,510	58	19	9,000	25.1	3,970	
Jan-98	1/8/98	11,784	274	17	10,000	118.0	4,088	
Feb-98	2/3/98	12,180	396	16	10,000	160.5	4,248	

TABLE 2
Vapor Extraction Operating Data
Thrifty Oil Station # 054, CASTRO VALLEY, CA

Month	Representative Date	Hour Meter Reading (hrs)	Operation Duration (hrs)	Inlet		Hydrocarbons Removed		Remark
				Average Flow (cfm)	Average FID Conc. (ppmv)	Period (lbs)	Cumulative (lbs)	
Mar-98	3/10/98	13,011	831	17	10,000	357.8	4,606	
Apr-98	4/15/98	13,060	49	17	est. 10,000	21.1	4,627	
May-98	5/7/98	13,311	251	16	10,000	101.7	4,729	
Jun-98	6/2/98	13,658	347	17	10,000	149.4	4,878	
Jul-98	7/6/98	14,340	682	16	est. 10,000	276.4	5,155	
Sep-98	9/21/98	14,542	202	12	est. 10,000	61.4	5,216	System shut down, 10/98
Nov-98	11/16/98	14,730	188	12	est. 10,000	57.1	5,273	
Dec-98	12/7/98	15,124	394	11	est. 10,000	109.8	5,383	
Feb-99	2/9/99	16,115	991	10	2,800	70.3	5,453	
Mar-99	3/12/99	16,698	583	13	210	4.0	5,457	
Apr-99	4/6/99	17,009	311	13	est. 210	2.2	5,459	
May-99	5/3/99	17,098	89	10	est. 210	0.5	5,460	
Jun-99	6/28/99	18,130	1,032	10	4,100	107.2	5,567	
Jul-99	7/7/99	18,163	33	10	est. 4,000	3.3	5,570	
Aug-99	8/2/99	18,196	33	11	est. 4,000	3.7	5,574	
Sep-99	9/13/99	18,318	122	12	est. 4,000	14.8	5,589	
Oct-99	10/18/99	18,348	30	13	est. 4,000	4.0	5,593	
Nov-99	11/29/99	18,617	269	12	est. 4,000	32.7	5,626	
Dec-99	12/27/99	19,096	479	12	210	3.1	5,629	
Jan-00	1/24/00	19,388	292	12	est. 210	1.9	5,631	System off for repairs, 1/24/00 to 2/00

- Note: 1. The "duration" is derived from subtracting the hour meter from a representative day of the month by the hour meter from a representative day of the previous month. Some months may have more than 30 days.
2. In January 2000, the "hydrocarbons removed" calculations were corrected to reflect the actual calibration gas (methane) of the instrument used. Therefore, the corrected cumulative total value is different than the previous versions of this table.

TABLE 3
Laboratory Analytical Results of Inlet Vapor Samples
Thrifty Oil Co. Station # 054, CASTRO VALLEY, CA

Date	Analyses Results of Inlet Vapor Concentrations					
	TPH (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Total Xylenes (ppmv)	MTBE (ppmv)
5/15/97	-	0.36*	-	-	-	-
7/17/97	-	<0.1*	-	-	-	-
5/5/99	<5	<0.1	0.13	<0.1	<0.1	<1
8/24/99	53	1.4	8.1	2.5	14	<1
8/30/99	<5	<0.1	0.23	0.12	0.77	1.6
9/14/99	2,200	11	36	11	55	9.9
10/25/99	<5	<0.1	0.11	<0.1	0.44	<1
12/21/99	190	5.7	0.64	0.15	1.8	39

NOTE: *Unit of measure = ug, by NIOSH 1501 (Benzene)
 "- " = not analyzed

APPENDIX A



THRIFTY OIL CO. SS #054
 2504 CASTRO VALLEY BLVD.
 CASTRO VALLEY, CA 94546
 DATE: 09-27-00

PROJECT STATUS REPORT

FREQUENCY	MONITORING				ODORS			FREE		WELLS CONNECTED TO SYSTEM (W)							
	OBSERVATION WELLS				(S=SLIGHT)			PRODUCT		CONNECT		INTEGRITY		VAPOR		WATER	
	NO.	DTW	DTB	PT	YES	NO	S	YES	NO	YES	NO	OK	NO	ON	OFF	ON	OFF
M	PW-1	4.73	13.97			X			X		X	-					
M	PW-2	3.61	14.32			X			X		X	-					
M	RE-1	4.07	19.00			X			X		X	-					
M	RE-2	3.58	16.46			X			X		X	-					
M	RE-3	3.01	17.55			X			X		X	-					
M	RE-4	5.35	14.52			X			X		X	-					
M	RE-5	4.06	18.21			X			X		X	-					
M	RE-6	4.78	13.58			X			X		X	-					
M	RE-7	7.03	13.14			X			X		X	-					
M	RS-8	7.30	25.17			X			X		-	X					
M	RS-9	2.72	14.97			X			X		-	X					
M	RS-10	7.50	24.38			X			X		X						
M	RS-11	9.44	24.77			X			X		X						

SAVE SYSTEM WEEKLY

PARAMETER	U/M	DATA	PARAMETER	U/M	DATA
TIME	AM/PM		AIR FLOW	C F M	
WORKING	YES/NO		VAPOR FLOW	C F M	
RESTARTED	YES/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. 500 GALLONS

DATA RECORDED BY: SFRBAM P. INPUT BY: AJB 02/05/97

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site: <u> # 054 </u>	Date: <u> 09.27.00 </u>
Address: _____	
Personnel: <u> JEDDAH P, </u>	Weather: <u> SUNNY DAY </u>
Well No: <u> PW-1 </u>	Equip: <u> BAUER </u>

Before Purging:			
Total Well Depth: (ft.)	<u> 13.97 </u>	Well Diameter	<u> 4" </u>
Depth to Water (ft)	<u> 4.73 </u>	Est. Purge Volume:	<u> 25 </u>

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	<u>9:59</u>	<u>10:03</u>	<u>10:07</u>	<u>10:09</u>	<u>10:12</u>	<u>10:16</u>	<u>10:20</u>
EC	<u>1120</u>	<u>1120</u>	<u>1110</u>	<u>1120</u>	<u>1130</u>	<u>1120</u>	<u>1120</u>
pH	<u>5.55</u>	<u>5.51</u>	<u>5.52</u>	<u>5.51</u>	<u>5.53</u>	<u>5.52</u>	<u>5.53</u>
Temp	<u>73.3</u>	<u>73.2</u>	<u>73.3</u>	<u>73.1</u>	<u>72.8</u>	<u>72.7</u>	<u>72.7</u>
Gal.	<u>3</u>	<u>7</u>	<u>12</u>	<u>14</u>	<u>17</u>	<u>21</u>	<u>25</u>
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	TIME: <u> 16:50 </u> AM/PM
Depth to Water (ft.) <u> 6.80 </u>	Total Well Depth(ft.) <u> 13.97 </u>

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	H 054	Date:	09.27 -00
Address:			
Personnel:	SERBATA P,	Weather:	SUNNY DAY
Well No:	PW-2	Equip:	BAUER

Before Purging:			
Total Well Depth: (ft.)	14.32	Well Diameter	4"
Depth to Water (ft)	3.61	Est. Purge Volume:	28

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	9:26	9:30	9:34	9:38	9:42	9:46	9:50
EC	1680	1670	1680	1660	1640	1640	1660
pH	5.50	5.23	5.49	5.47	5.48	5.47	5.48
Temp	73.4	73.2	73.1	73.2	72.9	72.8	72.8
Gal.	4	8	12	16	20	24	28
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	TIME: 16:45	AM/PM	
Depth to Water (ft.)	6.42	Total Well Depth(ft).	14.32

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site: <u># 054</u>	Date: <u>09-27-00</u>
Address: _____	
Personnel: <u>BERNARD P.</u>	Weather: <u>partly DAY</u>
Well No: <u>RE-1</u>	Equip: <u>BAUER</u>

Before Purging:			
Total Well Depth: (ft.)	<u>19.00</u>	Well Diameter	<u>4"</u>
Depth to Water (ft)	<u>4.07</u>	Est. Purge Volume:	<u>39</u>

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	13:26	13:32	13:37	13:43	13:48	13:54	14:00
EC	1220	1170	1140	1130	1140	1120	1120
pH	5.41	5.43	5.41	5.39	5.39	5.41	5.35
Temp	72.3	72.4	72.2	72.1	72.2	71.9	71.7
Gal.	5	11	16	22	27	33	39
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	
Depth to Water (ft.)	Total Well Depth(ft.)

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site: <u> # 054 </u>	Date: <u> 09-27-00 </u>
Address: _____	
Personnel: <u> SERBATA P, </u>	Weather: <u> JUNNY DAY </u>
Well No: <u> RE-2 </u>	Equip: <u> BAUER </u>

Before Purging:			
Total Well Depth: (ft.)	<u> 16.96 </u>	Well Diameter	<u> 4" </u>
Depth to Water (ft)	<u> 3.58 </u>	Est. Purge Volume:	<u> 35 </u>

Sampling Data:							
	Initial Turbidity:			Final Turbidity:			
Time	10:50	10:55	11:00	11:05	11:10	11:15	11:20
EC	1470	1460	1480	1460	1480	1410	1420
pH	5.46	5.47	5.46	5.41	5.44	5.40	5.41
Temp	73.1	72.9	72.7	72.7	72.5	72.4	72.3
Gal.	5	10	15	20	25	30	35
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	
Depth to Water (ft.)	<u> 6.24 </u>
Total Well Depth (ft.)	<u> 16.96 </u>

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	A-054	Date:	09-27-00
Address:			
Personnel:	SERBATA P.	Weather:	SUNNY DAY
Well No:	BE-3	Equip:	BAUER

Before Purging:			
Total Well Depth: (ft.)	17.55	Well Diameter	4"
Depth to Water (ft)	3.01	Est. Purge Volume:	38

Initial Turbidity:		Final Turbidity:					
Time	12:37	12:42	12:48	12:53	12:59	13:04	13:10
EC	1450	1410	1400	1420	1400	1390	1400
pH	5.52	5.42	5.42	5.35	5.32	5.31	5.32
Temp	72.1	72.9	72.7	72.7	72.8	72.6	72.6
Gal.	5	10	16	21	27	32	38
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	
Depth to Water (ft.)	6.34
Total Well Depth (ft.)	17.55

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site: <u>4054</u>	Date: <u>09-27-00</u>
Address: _____	
Personnel: <u>JEFFERY P.</u>	Weather: <u>JUNNY DAY</u>
Well No: <u>RE-4</u>	Equip: <u>ROVER</u>

Before Purging:	
Total Well Depth: (ft.) <u>14.52</u>	Well Diameter <u>44</u>
Depth to Water (ft) <u>5.35</u>	Est. Purge Volume: <u>24</u>

Sampling Data:									
Initial Turbidity:				Final Turbidity:					
Time	12:09	12:12	12:16	12:19	12:23	12:26	12:30		
EC	1360	1350	1370	1360	1340	1360	1340		
pH	5.45	5.47	5.44	5.45	5.46	5.45	5.46		
Temp	73.3	73.1	73.1	72.9	72.8	72.8	72.6		
Gal.	3	6	10	13	17	20	24		
Time									
EC									
pH									
Temp									
Gal.									

After Purging/Before Sample Collection	
Depth to Water (ft.) <u>8.21</u>	Total Well Depth(ft.) <u>14.52</u>

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	# 054	Date:	09-27-00
Address:			
Personnel:	SERBOM P.	Weather:	JUNNY DAY
Well No:	RE-5	Equip:	BRIEFER

Before Purging:			
Total Well Depth: (ft.)	18.21	Well Diameter	4"
Depth to Water (ft)	4.06	Est. Purge Volume:	37

Sampling Data:							
	Initial Turbidity:			Final Turbidity:			
Time	11:28	11:33	11:38	11:44	11:49	11:54	12:00
EC	1420	1430	1410	1420	1430	1420	1430
pH	5.38	5.28	5.28	5.22	5.20	5.20	5.22
Temp	73.1	72.9	72.8	72.8	72.6	72.4	72.4
Gal.	5	10	15	21	26	31	37
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	6.46	Total Well Depth(ft.)	18.21

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site: # 054	Date: 09-27-00
Address:	
Personnel: ZERBON P.	Weather: SUNNY DAY
Well No: REG	Equip: BAUER

Before Purging:			
Total Well Depth: (ft.)	13.58	Well Diameter	4"
Depth to Water (ft)	4.78	Est. Purge Volume:	23

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	10:25	10:28	10:31	10:35	10:38	10:41	10:45
EC	1020	1010	1020	1030	1010	1010	1020
pH	5.38	5.38	5.28	5.20	5.28	5.26	5.29
Temp	71.4	71.3	71.3	70.9	70.7	70.6	70.7
Gal.	5	6	9	13	16	19	23
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	
Depth to Water (ft.)	7.23
Total Well Depth (ft.)	13.58

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site: <u>H 054</u>	Date: <u>09-27-00</u>
Address: _____	
Personnel: <u>JRBBM</u>	Weather: <u>SUNNY DAY</u>
Well No: <u>DE-7</u>	Equip: <u>BAICAR</u>

Before Purging:			
Total Well Depth: (ft.)	<u>13.14</u>	Well Diameter	<u>4"</u>
Depth to Water (ft)	<u>2.03</u>	Est. Purge Volume:	<u>16</u>

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	<u>9:06</u>	<u>9:08</u>	<u>9:10</u>	<u>9:13</u>	<u>9:15</u>	<u>9:17</u>	<u>9:20</u>
EC	<u>1230</u>	<u>1210</u>	<u>1230</u>	<u>1210</u>	<u>1220</u>	<u>1210</u>	<u>1210</u>
pH	<u>5.51</u>	<u>5.42</u>	<u>5.48</u>	<u>5.44</u>	<u>5.50</u>	<u>5.48</u>	<u>6.20</u>
Temp	<u>73.4</u>	<u>73.2</u>	<u>73.1</u>	<u>73.1</u>	<u>72.8</u>	<u>72.8</u>	<u>72.9</u>
Gal.	<u>2</u>	<u>4</u>	<u>6</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>16</u>
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	TIME: <u>16:40</u> AM/PM
Depth to Water (ft.) <u>9.40</u>	Total Well Depth(ft.) <u>13.14</u>

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site: # 054	Date: 09-27-00
Address:	
Personnel: SERBAN P	Weather: SUNNY DAY
Well No: R3-9	Equip: BAUER

Before Purging:			
Total Well Depth (ft.)	14.97	Well Diameter	24
Depth to Water (ft.)	2.72	Est. Purge Volume:	8

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	14:03	14:04	14:05	14:06	14:07	14:08	14:10
EC	850	830	770	260	260	270	260
pH	5.20	5.22	5.20	5.19	5.21	5.18	5.19
Temp	72.3	72.4	72.3	72.2	71.9	71.8	71.8
Gal.	1	2	3	4	5	6	8
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	
Depth to Water (ft.)	6.40
Total Well Depth (ft.)	14.97

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	#054	Date:	09-27-00
Address:			
Personnel:	SERBAN P	Weather:	SUNNY DAY
Well No:	RS-10	Equip:	BAIFER

Before Purging:			
Total Well Depth: (ft.)	24.38	Well Diameter	2"
Depth to Water (ft)	7.50	Est. Purge Volume:	11

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	8:20	8:22	8:23	8:25	8:26	8:28	8:30
EC	1260	1230	1240	1260	1260	1280	1220
pH	5.48	5.52	5.51	5.52	5.50	5.51	5.52
Temp	73.3	73.1	73.1	72.9	72.9	72.8	72.9
Gal.	1	3	4	6	7	9	11
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	TIME: 16:15 AM/PM
Depth to Water (ft.)	8.52
Total Well Depth (ft.)	24.38

APPENDIX B



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868 - 714/771-6900

1-07-00
RECEIVED
OCT 09 2000
ENVIRONMENTAL FAX 714/538-1209

CLIENT Thrifty Oil (8871)
ATTN: Jeff Suryakusuma
13539 E. Foster Rd.
Santa Fe Springs, CA 90670

LAB REQUEST 60230

REPORTED 10/07/2000 J.S.

RECEIVED 09/30/2000 R.F.

PROJECT Station #054
2504 Castro Valley Blvd., Castro Valley

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

<u>Order No.</u>	<u>Client Sample Identification</u>
215084	TOC #054, RS-10
215085	TOC #054, RS-11
215086	TOC #054, RS-8
215087	TOC #054, RE-7
215088	TOC #054, PW-2
215089	TOC #054, PW-1
215090	TOC #054, RE-6
215091	TOC #054, RE-2
215092	TOC #054, RE-5
215093	TOC #054, RE-4
215094	TOC #054, RE-3
215095	TOC #054, RE-1

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

CLIENT Thrifty Oil
ATTN: Jeff Suryakusuma
13539 E. Foster Rd.
Santa Fe Springs, CA 90670

(8871)

LAB REQUEST 60230

REPORTED 10/07/2000

RECEIVED 09/30/2000

PROJECT Station #054
2504 Castro Valley Blvd., Castro Valley

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.

215096

215097

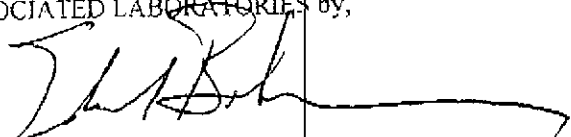
Client Sample Identification

TOC #054, RS-9

TOC #054, TB

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,


Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 215084
 Matrix: WATER

Client Sample ID TOC #054, RS-10
 Date Sampled: 09/27/2000 Time Sampled: 16:15

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/03/00 HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	ND	1	50	50	ug/L	10/03/00 HP

Order #: 215085
 Matrix: WATER

Client Sample ID TOC #054, RS-11
 Date Sampled: 09/27/2000 Time Sampled: 16:25

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	1.0	1	0.3	0.18	ug/L	10/03/00 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Methyl t - butyl ether	3.0 J	1	5	0.24	ug/L	10/03/00 HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00 HP
8260B BTEX/MTBE Only						
Methyl-tert-butylether (MTBE)	3.6	1	1	0.6	ug/L	10/06/00 RB
8015M - Total Petroleum Hydrocarbons						
Gasoline	ND	1	50	50	ug/L	10/03/00 HP

Order #: 215086
 Matrix: WATER

Client Sample ID TOC #054, RS-8
 Date Sampled: 09/27/2000 Time Sampled: 16:35

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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PQL = Practical Quantitation Limit. MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	10/03/00	HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00	HP
Methyl t - butyl ether	6.0	1	5	0.24	ug/L	10/03/00	HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00	HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00	HP

8260B BTEX/MTBE Only

Methyl-tert-butylether (MTBE)	4.9	1	1	0.6	ug/L	10/06/00	RB
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8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	10/03/00	HP
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Order #: 215087

Client Sample ID TOC #054, RE-7

Matrix: WATER

Date Sampled: 09/27/2000 Time Sampled: 16:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	10/03/00	HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00	HP
Methyl t - butyl ether	21	1	5	0.24	ug/L	10/03/00	HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00	HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00	HP

8260B BTEX/MTBE Only

Methyl-tert-butylether (MTBE)	28	1	1	0.6	ug/L	10/06/00	RB
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8015M - Total Petroleum Hydrocarbons

Gasoline	236	1	50	50	ug/L	10/03/00	HP
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Order #: 215088

Client Sample ID TOC #054, PW-2

Matrix: WATER

Date Sampled: 09/27/2000 Time Sampled: 16:45

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	10/03/00	HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00	HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/03/00	HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00	HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00	HP

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	10/03/00	HP
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Order #: 215089

Client Sample ID TOC #054, PW-1

Matrix: WATER

Date Sampled: 09/27/2000 Time Sampled: 16:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/03/00 HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00 HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	10/03/00	HP
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Order #: 215090

Client Sample ID TOC #054, RE-6

Matrix: WATER

Date Sampled: 09/27/2000 Time Sampled: 16:55

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/03/00 HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00 HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	10/03/00	HP
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Order #: 215091

Client Sample ID TOC #054, RE-2

Matrix: WATER

Date Sampled: 09/27/2000 Time Sampled: 17:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL. J=Trace



8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	10/03/00	HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00	HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/03/00	HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00	HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00	HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	10/03/00	HP
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Order #: 215092

Client Sample ID TOC #054, RE-5

Matrix: WATER

Date Sampled: 09/27/2000 Time Sampled: 17:05

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	10/03/00	HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00	HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/03/00	HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00	HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00	HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	10/03/00	HP
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Order #: 215093

Client Sample ID TOC #054, RE-4

Matrix: WATER

Date Sampled: 09/27/2000 Time Sampled: 17:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	10/03/00	HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00	HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/03/00	HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00	HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00	HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	10/03/00	HP
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Order #: 215094

Client Sample ID TOC #054, RE-3

Matrix: WATER

Date Sampled: 09/27/2000 Time Sampled: 17:15

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Analyte	Result	DF	PQL	MDL	UNITS	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Methyl t - butyl ether	254	12	60.0	0.24	ug/L	10/03/00 HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00 HP

8260B BTEX/MTBE Only						
Methyl-tert-butylether (MTBE)	160	5	5.0	0.6	ug/L	10/06/00 RB

8015M - Total Petroleum Hydrocarbons						
Gasoline	154	1	50	50	ug/L	10/03/00 HP

Order #:
 Matrix: WATER

Client Sample ID TOC #054, RE-1
 Date Sampled: 09/27/2000 Time Sampled: 17:25

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/03/00 HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	ND	1	50	50	ug/L	10/03/00 HP

Order #:
 Matrix: WATER

Client Sample ID TOC #054, RS-9
 Date Sampled: 09/27/2000 Time Sampled: 17:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Methyl t - butyl ether	1,180	33	165.0	0.24	ug/L	10/03/00 HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00 HP
8260B BTEX/MTBE Only						
Methyl-tert-butylether (MTBE)	1,360	20	20.0	0.6	ug/L	10/06/00 RB

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



ASSOCIATED LABORATORIES LAB REQUEST RESULTS SUMMARY

Client: Thrifty Oil
 Jeff Suryakusuma
 13539 E. Foster Rd.
 Santa Fe Springs, CA 90670

Lab Request: 60230
 Date Received: 9/30/2000
 Print Date: 10/9/00

8015M - Total Petroleum Hydrocarbons

Gasoline	592	1	50	50	ug/L	10/03/00	HP
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Order #: 215097	Client Sample ID TOC #054, TB
Matrix: WATER	Date Sampled: 09/27/2000 Time Sampled: 16:15

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/03/00 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/03/00 HP
Toluene	ND	1	0.3	0.14	ug/L	10/03/00 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/03/00 HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	10/03/00	HP
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PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



60230

ASSOCIATED LABORATORIES

806 North Batavia • Orange, CA 92868
 Phone: (714) 771-6900 • Fax: (714) 538-1209



Chain of Custody Record

Company TRYPTY OIL CO.							Phone 562/921-3581			A.L. Job No. _____			Page _____ of _____											
Project Manager JEFF JURY ARUSUMA							Fax _____			Analysis Requested						Test Instructions & Comments								
Project Name Q.W.S.							Project # 054																	
Site Name and Address 2504 CASTRO VALLEY Blvd. CASTRO VALLEY, CA. 94546										<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; text-align: center;">T P H</td> <td style="width:33%; text-align: center;">B T E F</td> <td style="width:33%; text-align: center;">* M T B E</td> </tr> </table>						T P H	B T E F	* M T B E						
T P H	B T E F	* M T B E																						
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.																		
1	RS-10	09-27-00	16:15	WATER	3 VIALS	HCL	X X X						CONFIRM MTBE BY EPA METHOD 8260											
2	RS-11	↑	16:25	↑	↑	↑	X X X																	
3	RS-8	↑	16:35	↑	↑	↑	X X X																	
4	RE-7	↑	16:40	↑	↑	↑	X X X																	
5	PW-2	↑	16:45	↑	↑	↑	X X X																	
6	PW-1	↑	16:50	↑	↑	↑	X X X																	
7	RE-6	↑	16:55	↑	↑	↑	X X X																	
8	RE-2	↑	17:00	↑	↑	↑	X X X																	
9	RE-5	↑	17:05	↑	↑	↑	X X X																	
10	RE-4	↑	17:10	↑	↑	↑	X X X																	
11	RE-3	↑	17:15	↑	↑	↑	X X X																	
12	RE-1	↑	17:25	↑	↑	↑	X X X																	
13	RS-9	↑	17:30	↑	↑	↑	X X X																	
14	TRIP BLANK	↓	16:15	↓	2 VIALS	↓	X X																	
15																								

Sample Receipt - To Be Filled By Laboratory				Relinquished by 1.		Relinquished by 2.		Relinquished by 3.				
Total Number of Containers	9	Property Cooled Y/N/NA	y	Signature:			Signature:					
Custody Seals Y/N/NA	N	Samples Intact Y/N/NA	y	Printed Name:	JEFF JURY ARUSUMA		Printed Name:					
Received in Good Condition Y/N	y	Samples Accepted Y/N	y	Date:	09-29-00		Date:					
Turn Around Time				Received By:	1.		Received By:	2.				
<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 48 hrs. <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 72 hrs.				Signature:			Signature:					
				Printed Name:	Albert Vargas		Printed Name:			Printed Name:		
				Date:	9-30-00		Date:	11-45		Date:		