MPDS SERVICES, INCORPORATED

May 27, 1997

Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502

Attention: Mr. Scott Seery

RE: Unocal Service Station #5367
500 Bancroft Avenue
San Leandro, California

Dear Mr. Seery:

Per the request of the Tosco Marketing Company Project Manager, Ms. Tina R. Berry, enclosed please find our data report (MPDS-UN5367-12) dated April 29, 1997, for the above referenced site.

Should you have any questions regarding the reporting of data, please feel free to call our office at (510) 602-5120. Any other questions may be directed to the Project Manager at (510) 277-2321.

Sincerely,

MPDS Services, Inc.

Jarrel F. Crider

/dr

Enclosure

cc: Ms. Tina R. Berry

2401 Stanwell Drive, Suite 400, Concord, CA 94520
TEL: (510) 602-5120 FAX: (510) 689-1918

PACIFIC
ENVIRONMENTAL
GROUP, INC.

#758
SOS

October 20, 1997
Project 311-127.1A

Mr. Richard Hiett
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Re: Unocal Station 5367
Quarterly Summary Report
Third Quarter 1997

Dear Mr. Hiett:

As directed by Ms. Tina Berry of Tosco Marketing Company, Pacific Environmental Group, Inc. is forwarding the quarterly summary report for the following location:

Service Station	Location
5367	500 Bancroft Avenue, San Leandro

Should you have questions or comments, please do not hesitate to contact our office at (408) 441-7500.

Sincerely,

Pacific Environmental Group, Inc.

Joseph Muzzio
Project Geologist

Enclosure

cc: Ms. Tina Berry, Tosco Marketing Company
Ms. Amy Leech, Alameda County Health Care Services

2025 Gateway Place, Suite 440, San Jose, California 95110 (408) 441-7500 FAX (408) 441-7539

Quarterly Summary Report
Third Quarter 1997

Unocal Service Station 5367
500 Bancroft Avenue
San Leandro, California

City/County ID #: None
County: Alameda

BACKGROUND

The site is an active Unocal service station. In 1987, limited soil excavation was performed at the site during the replacement of underground storage tanks, product lines and product dispensers. One groundwater monitoring well was installed following these activities. Between 1988 and 1994, eight monitoring wells were installed, aquifer testing was performed and a remedial action plan was prepared. In 1995, one additional monitoring well was installed, and a soil vapor extraction (SVE) and groundwater extraction remediation system was constructed. During the first quarter of 1996, remedial system start up and operation were performed. During the third quarter 1996, Unocal submit revisions to the groundwater monitoring program requesting a sampling reduction from quarterly to semiannually. During February and March 1997, the SVE system was operated in pulsed mode to increase petroleum hydrocarbon vapor recovery. However, influent concentrations remained at non-detectable levels. Therefore, the SVE and dewatering system was shut down on March 13, 1997.

RECENT QUARTER ACTIVITIES

Semiannual groundwater monitoring was performed.

NEXT QUARTER ACTIVITIES

No activities are planned.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated? Yes.
Dissolved groundwater delineated? Yes.
Free product delineated? Not applicable.
Total amount of groundwater contaminant recovered? Approximately 108 pounds.
Soil remediation in progress? No. System shut down in March 1997
Start? March 1996.
Completion date? March 1997.
Dissolved/free product remediation in progress? No. System shut down in March 1997
Start? March 1996.
Completion? March 1997.

CONSULTANT: Pacific Environmental Group, Inc.

MPDS SERVICES, INCORPORATED

MPDS-UN5367-12
April 29, 1997

Tosco Marketing Company
Environmental Compliance Department
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

Attention: Ms. Tina R. Berry

RE: Semi-Annual Data Report
Unocal Service Station #5367
500 Bancroft Avenue
San Leandro, California

Dear Ms. Berry:

This data report presents the results of the most recent monitoring and sampling of the monitoring wells at the referenced site by MPDS Services, Inc.

RECENT FIELD ACTIVITIES

The monitoring wells that were monitored and sampled are indicated in Table 1. Oxygen Release Compound (ORC) filter socks were present in monitoring well MW-8. Prior to sampling, the wells were checked for depth to water and the presence of free product or sheen. The monitoring data and the ground water elevations are summarized in Table 1. The ground water flow direction during the most recent semi-annual period is shown on the attached Figure 1.

Ground water samples were collected on March 31, 1997. Prior to sampling, the wells were each purged of between 6 and 48 gallons of water. In addition, dissolved oxygen concentrations were measured and are presented in Table 3. During purging operations, the field parameters pH, temperature, and electrical conductivity were recorded on the purging/sampling data sheets which are attached to this report. Once the field parameters were observed to stabilize, and where possible, a minimum of approximately three casing volumes had been removed from each well, samples were then collected using a clean Teflon bailer. The samples were decanted into clean VOA vials and/or one-liter amber bottles, as appropriate, which were then sealed with Teflon-lined screw caps, labeled, and stored in a cooler, on ice, until delivery to a state-certified laboratory. MPDS Services, Inc. transported the purged ground water to the Tosco Refinery located in Rodeo, California, for treatment and discharge to San Pablo Bay under NPDES permit.

ANALYTICAL RESULTS

The ground water samples were analyzed at Sequoia Analytical Laboratory and were accompanied by properly executed Chain of Custody documentation. The analytical results of the ground water samples collected to date are summarized in Table 2. The concentrations of Total Petroleum Hydrocarbons (TPH) as gasoline and benzene detected in the ground water samples collected this semi-

annual period are shown on the attached Figure 2. Copies of the laboratory analytical results and the Chain of Custody documentation are attached to this report.

LIMITATIONS

Environmental changes, either naturally-occurring or artificially-induced, may cause changes in ground water levels and flow paths, thereby changing the extent and concentration of any contaminants.

DISTRIBUTION

A copy of this report should be sent to Mr. Scott Seery of the Alameda County Health Care Services Agency, and to Mr. Mike Bakaldin of the San Leandro Fire Department.

If you have any questions regarding this report, please do not hesitate to call Mr. Nubar Srabian at (510) 602-5120.

Sincerely,

MPDS Services, Inc.

Haig (Gary) Tejirian
Senior Staff Geologist

Hagop Kevork, P.E.
Senior Staff Engineer

License No. C55734
Exp. Date December 31, 2000

Attachments: Tables 1, 2 & 3
Location Map
Figures 1 & 2
Laboratory Analyses
Chain of Custody documentation
Purging/Sampling Data Sheets

cc: Mr. Joe Muzzio, Pacific Environmental Group, Inc.

Table 1

Summary of Monitoring Data

Well #	Ground Water Elevation (feet)	Depth to Water (feet)♦	Total Well Depth (feet)♦	Product Thickness (feet)	Sheen	Water Purged (gallons)
(Monitored and Sampled on March 31, 1997)						
MW-1	33.65	24.18	35.15	0	No	6
MW-2	33.93	24.20	46.90	0	No	45
MW-3	34.06	23.86	48.22	0	No	48
MW-4	33.57	24.72	48.50	0	No	46.5
MW-5	33.70	24.80	44.40	0	No	10
MW-6	33.24	23.72	44.60	0	No	11
MW-7	33.23	24.02	43.97	0	No	10.5
MW-8	33.36	24.35	43.90	0	No	10
MW-9	32.99	23.48	44.65	0	No	11
MW-10	32.89	26.05	42.68	0	No	9
(Monitored and Sampled on September 21, 1996)						
MW-1	28.39	29.44	35.15	0	No	3
MW-2*	28.66	29.47	46.89	0	--	0
MW-3	28.77	29.15	48.23	0	--	§
MW-4	28.41	29.88	48.51	0	No	36
MW-5	28.55	29.95	44.42	0	No	7.5
MW-6	28.24	28.72	44.61	0	No	9
MW-7	28.18	29.07	43.98	0	No	8
MW-8	28.37	29.34	43.91	0	No	8
MW-9	28.42	28.05	44.65	0	No	9
MW-10	28.17	30.77	42.70	0	No	6
(Monitored and Sampled on March 27, 1996)						
MW-1	35.54	22.29	35.18	0	No	9
MW-2*	35.83	22.30	46.90	0	--	0
MW-3*	35.93	21.99	48.25	0	--	0
MW-4	35.58	22.71	48.52	0	No	67.5
MW-5	35.75	22.75	44.40	0	No	15
MW-6	35.37	21.59	44.53	0	No	16
MW-7	35.31	21.94	43.80	0	No	15
MW-8	35.51	22.20	43.92	0	No	15
MW-9	35.56	20.91	44.52	0	No	16.5
MW-10	35.32	23.62	42.60	0	No	13

Table 1

Summary of Monitoring Data

Well #	Ground Water Elevation (feet)	Depth to Water (feet)♦	Total Well Depth (feet)♦	Product Thickness (feet)	Sheen	Water Purged (gallons)
(Monitored and Sampled on December 29, 1995)						
MW-1	27.43	30.40	35.15	0	No	3.5
MW-2	27.88	30.25	46.70	0	No	43
MW-3	28.01	29.91	48.07	0	No	47.5
MW-4*	27.33	30.96	48.50	0	--	0
MW-5*	27.63	30.87	44.52	0	--	0
MW-6*	27.34	29.62	44.56	0	--	0
MW-7*	27.34	29.91	43.70	0	--	0
MW-8	27.46	30.25	43.90	0	No	9.5
MW-9	27.45	29.02	44.63	0	No	11
MW-10	27.39	31.55	42.60	0	No	8

Well #	Well Casing Elevation (feet)**
MW-1	57.83
MW-2	58.13
MW-3	57.92
MW-4	58.29
MW-5	58.50
MW-6	56.96
MW-7	57.25
MW- 8	57.71
MW- 9	56.47
MW-10	58.94

♦ The depth to water level and total well depth measurements were taken from the top of the well casings.

§ Well is connected to remediation system. Sampled from valve on well head.

* Monitored only.

** The elevations of the top of the well casings have been surveyed relative to Mean Sea Level.

-- Sheen determination was not performed.

Table 2

Summary of Laboratory Analyses
Water

Well	Date	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW-1	3/31/97	82,000	240	8,700	3,800	23,000	ND
	9/21/96	110,000	270	3,500	5,900	16,000	260
	3/27/96	120,000	920	17,000	7,100	41,000	180
	12/29/95	110,000	990	22,000	8,300	47,000	--
	9/28/95	100,000	810	21,000	6,500	37,000	--
	6/26/95	130,000	1,000	23,000	5,600	33,000	--
	3/27/95	88,000	1,500	20,000	4,200	25,000	--
	12/19/94	200,000	2,400	28,000	6,600	37,000	--
	9/21/94	110,000	2,500	23,000	4,500	25,000	--
	6/23/94	150,000	2,500	33,000	6,400	37,000	--
	3/18/94	99,000	3,800	37,000	6,800	36,000	--
	12/13/93	140,000	3,600	37,000	7,100	40,000	--
	9/3/93	160,000	3,900	41,000	6,800	38,000	--
	6/25/93	160,000	4,300	36,000	5,800	34,000	--
	3/3/93	330,000	3,800	21,000	4,200	24,000	--
	11/18/92	WELL WAS DRY					
	10/16/92	WELL WAS DRY					
	6/18/92	680,000	9,000	40,000	7,600	44,000	--
	3/31/92	330,000	8,200	33,000	6,800	36,000	--
	9/27/91	WELL WAS DRY					
	5/6/91	--	--	--	--	--	--
	2/6/91	WELL WAS DRY					
	11/30/90	WELL WAS DRY					
	8/24/90	WELL WAS DRY					
	7/19/90	WELL WAS DRY					
	2/16/90	WELL WAS DRY					
	1/27/89	WELL WAS DRY					
	10/3/88	WELL WAS DRY					
	9/7/88	WELL WAS DRY					
	4/27/88	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					
	11/19/87	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					
	11/13/87	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					
	11/5/87	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					
	10/6/87	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					
	9/24/87	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					
	9/23/87	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					
MW-2	3/31/97	ND	ND	ND	ND	ND	ND
	9/21/96	NOT SAMPLED (CONNECTED TO REMEDIATION SYSTEM)					
	3/27/96	NOT SAMPLED (CONNECTED TO REMEDIATION SYSTEM)					
	12/29/95	860	4.3	1.0	27	50	--
	9/28/95	730	2.9	ND	41	29	--
	6/26/95	ND	ND	0.93	0.88	3.4	--

Table 2

Summary of Laboratory Analyses
Water

Well	Date	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW-2	3/27/95**	ND	ND	0.55	1.2	2.5	--
(Cont.)	12/19/94	190	1.9	ND	15	6.8	--
	9/21/94	ND	ND	ND	ND	ND	--
	6/23/94	420	3.9	0.66	23	11	--
	3/18/94	250	6.4	0.64	28	24	--
	12/13/93	260	7.7	0.83	17	23	--
	9/3/93	1,400	31	4.3	99	53	--
	6/25/93	4,000	110	ND	320	280	--
	3/3/93	4,200	62	2.9	97	120	--
	11/18/92	65	1.2.	ND	2.8	1.4	--
	10/16/92	--	--	--	--	--	--
	9/30/92	820	21	ND	42	25	--
	6/18/92	1,200	35	1.6	56	26	--
	12/27/91	170	3.9	ND	7.3	60	--
	9/27/91	110	2.6	ND	5.6	5.1	--
	5/6/91	2,300	150	10	52	110	--
	2/7/91	510	40	ND	29	44	--
	11/30/90	400	41	ND	39	37	--
	8/24/90	330	17	ND	19	20	--
	7/19/90	--	--	--	--	--	--
	2/16/90	840	50	0.5	28	44	--
	1/27/89	510	58	8.7	22.6	20.3	--
	10/3/88	1,760	47.8	7.4	20.9	81.6	--
	May-90	1,000	39	ND	32	52	--
MW-3	3/31/97	17,000	58	110	530	1,500	ND
	9/21/96	34,000	140	ND	2,200	6,600	1,800
	3/27/96	NOT SAMPLED (CONNECTED TO REMEDIATION SYSTEM)					
	12/29/95	55,000	700	ND	4,900	16,000	††
	9/28/95	17,000	730	30	4,000	8,800	†
	6/26/95	14,000	300	ND	1,300	3,900	--
	3/27/95**	33,000	410	66	1,600	6,500	--
	12/19/94	100,000	1,200	2,900	4,200	23,000	--
	9/21/94	24,000	890	110	2,200	8,800	--
	6/23/94	37,000	1,300	670	3,100	14,000	--
	3/18/94	22,000	1,200	430	2,200	9,700	--
	12/13/93	49,000	1,300	360	2,300	9,200	--
	9/3/93	82,000	2,400	3,400	4,200	21,000	--
	6/25/93	27,000	1,200	980	1,700	6,900	--
	3/3/93	96,000*	1,400	1,900	1,400	8,400	--
	11/18/92	24,000*	430	160	640	2,800	--
	10/16/92	--	--	--	--	--	--
	9/30/92	36,000	730	200	1,000	4,400	--

Table 2

Summary of Laboratory Analyses
Water

Well	Date	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW-3	6/18/92	180,000	2,200	1,700	2,300	1,100	--
(Cont.)	3/31/92	100,000	1,900	1,900	2,300	9,400	--
	12/27/91	31,000	240	280	400	1,600	--
	9/27/91	4,000	160	84	180	560	--
	5/6/91	39,000	1,000	570	930	3,900	--
	2/6/91	13,000	310	150	380	1,200	--
	11/30/90	13,000	390	81	410	1,000	--
	8/24/90	19,000	480	160	510	1,500	--
	7/19/90	--	--	--	--	--	--
	2/16/90	22,000	710	4,100	6,900	33,000	--
	1/27/89	39,000	1,570	2,830	1,250	7,070	--
	10/3/88	61,000	1,060	3,380	1,520	8,720	--
	May-90	19,000	330	170	310	1,500	--
MW-4	3/31/97	ND	ND	ND	ND	ND	ND
	9/21/96	ND	ND	ND	ND	ND	ND
	3/27/96	ND	ND	0.70	ND	0.79	ND
	12/29/95	SAMPLED SEMI-ANNUALLY					
	9/28/95	ND	ND	ND	ND	ND	†
	6/26/95	SAMPLED SEMI-ANNUALLY					
	3/27/95	ND	ND	0.79	0.5	3.1	--
	12/19/94	SAMPLED SEMI-ANNUALLY					
	9/21/94	ND	ND	0.78	ND	0.81	--
	3/18/94	ND	ND	ND	ND	ND	--
	12/13/93	SAMPLED SEMI-ANNUALLY					
	9/3/93	86	14	13	1.4	7.1	--
	6/25/93	NOT SAMPLED					
	3/3/93	68	0.9	0.6	ND	1.9	--
	11/18/92	NOT SAMPLED					
	10/16/92	ND	ND	ND	ND	ND	--
	6/18/92	ND	ND	ND	ND	ND	--
	3/31/92	ND	ND	ND	ND	ND	--
	12/27/91	ND	ND	ND	ND	ND	--
	9/27/91	ND	ND	ND	ND	ND	--
	5/6/91	--	--	--	--	--	--
	2/6/91	ND	ND	ND	ND	ND	--
	11/30/90	ND	ND	ND	ND	1.2	--
	8/24/90	ND	ND	ND	ND	ND	--
	7/19/90	--	--	--	--	--	--
	May-90	ND	ND	ND	0.68	1.4	--
	2/16/90	ND	ND	ND	ND	ND	--
	1/27/89	ND	ND	ND	ND	ND	--
	10/3/88	ND	ND	ND	ND	ND	--

Table 2

Summary of Laboratory Analyses
Water

Well	Date	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW-5	3/31/97	ND	ND	ND	ND	ND	ND
	9/21/96	ND	ND	ND	ND	ND	ND
	3/27/96	ND	ND	1.7	ND	2.4	ND
	12/29/95	SAMPLED SEMI-ANNUALLY					
	9/28/95	ND	ND	ND	ND	ND	--
	6/26/95	SAMPLED SEMI-ANNUALLY					
	3/27/95	ND	ND	0.66	ND	2.9	--
	12/19/94	SAMPLED SEMI-ANNUALLY					
	9/21/94	ND	ND	0.98	ND	1.6	--
	3/18/94	ND	ND	ND	ND	ND	--
	12/13/93	SAMPLED SEMI-ANNUALLY					
	9/3/93	ND	ND	1.5	ND	7.9	--
	6/25/93	WELL WAS INACCESSIBLE					
	3/3/93	ND	ND	ND	ND	ND	--
	11/18/92	NOT SAMPLED					
	10/16/92	ND	ND	ND	ND	ND	--
	6/18/92	--	--	--	--	--	--
	3/31/92	ND	ND	ND	ND	1.1	--
	12/27/91	ND	ND	ND	ND	ND	--
	9/27/91	ND	ND	ND	ND	ND	--
	5/6/91	--	--	--	--	--	--
	2/6/91	ND	ND	ND	ND	ND	--
	11/30/90	ND	ND	0.7	ND	ND	--
	8/24/90	ND	ND	ND	ND	ND	--
	7/19/90	--	--	--	--	--	--
	2/16/90	67	0.51	1.6	2.9	7.5	--
	May-90	ND	ND	ND	ND	ND	--
MW-6	3/31/97	73	0.67	0.82	ND	ND	ND
	9/21/96	ND	ND	ND	ND	ND	ND
	3/27/96	50	ND	0.92	ND	0.96	ND
	12/29/95	SAMPLED SEMI-ANNUALLY					
	9/28/95	ND	ND	ND	ND	ND	--
	6/26/95	SAMPLED SEMI-ANNUALLY					
	3/27/95	56	ND	0.65	ND	3.3	--
	12/19/94	SAMPLED SEMI-ANNUALLY					
	9/21/94	ND	ND	ND	ND	ND	--
	3/18/94	ND	ND	0.93	ND	1.4	--
	12/13/93	SAMPLED SEMI-ANNUALLY					
	9/3/93	ND	ND	ND	ND	ND	--
	6/25/93	NOT SAMPLED					
	3/3/93	ND*	ND	ND	ND	ND	--
	11/18/92	NOT SAMPLED					

Table 2

Summary of Laboratory Analyses
Water

Well	Date	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW-6	10/16/92	ND	ND	ND	ND	ND	--
(Cont.)	6/18/92	ND	ND	ND	ND	ND	--
	3/31/92	ND	ND	1.3	ND	2	--
	12/27/91	ND	ND	ND	ND	ND	--
	9/27/91	ND	ND	ND	ND	ND	--
	5/6/91	--	--	--	--	--	--
	2/6/91	ND	ND	ND	ND	ND	--
	11/30/90	ND	ND	ND	ND	ND	--
	8/24/90	ND	ND	ND	ND	ND	--
	7/19/90	ND	ND	ND	ND	ND	--
	2/16/90	ND	ND	ND	ND	ND	--
	May-90	ND	ND	ND	ND	ND	--
MW-7	3/31/97	ND	ND	ND	ND	ND	ND
	9/21/96	ND	ND	ND	ND	ND	ND
	3/27/96	ND	ND	1.1	ND	1.7	ND
	12/29/95	SAMPLED SEMI-ANNUALLY					
	9/28/95	ND	ND	ND	ND	ND	†
	6/26/95	SAMPLED SEMI-ANNUALLY					
	3/27/95	ND	ND	0.54	ND	1.9	--
	12/19/94	SAMPLED SEMI-ANNUALLY					
	9/21/94	ND	0.5	ND	ND	0.89	--
	3/18/94	ND	ND	ND	ND	ND	--
	12/13/93	SAMPLED SEMI-ANNUALLY					
	9/3/93	ND	ND	ND	ND	ND	--
	6/25/93	NOT SAMPLED					
	3/3/93	ND	ND	ND	ND	ND	--
	11/18/92	NOT SAMPLED					
	10/16/92	ND	ND	ND	ND	ND	--
	6/18/92	--	--	--	--	--	--
	3/31/92	ND	ND	ND	ND	0.9	--
	12/27/91	ND	ND	ND	ND	ND	--
	9/27/91	ND	ND	ND	ND	ND	--
	5/6/91	ND	ND	ND	ND	ND	--
	2/6/91	ND	ND	ND	ND	ND	--
	11/30/90	ND	ND	ND	0.6	1.5	--
	8/24/90	ND	ND	ND	ND	ND	--
	7/19/90	--	--	--	--		--
	2/16/90	ND	ND	ND	ND	ND	--
	May-90	24	ND	ND	0.74	1.7	--

Table 2

Summary of Laboratory Analyses
Water

Well	Date	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW-8	3/31/97	ND	ND	ND	ND	ND	ND
	9/21/96	3,800	27	ND	46	45	ND
	3/27/96	970	29	0.77	82	85	ND
	12/29/95	7,500	260	ND	580	870	††
	9/28/95	10,000	250	ND	760	910	†
	6/26/95	11,000	320	ND	680	2,000	--
	3/27/95**	9,200	240	ND	200	1,400	--
	12/19/94	6,200	91	ND	230	210	--
	9/21/94	6,900	190	ND	460	510	--
	6/23/94	12,000	210	ND	610	860	--
	3/18/94	6,100	85	ND	260	260	--
	12/13/93	6,900	180	ND	240	550	--
	9/3/93	9,800	180	ND	580	700	--
	6/25/93	8,100	160	ND	580	740	--
	3/3/93	13,000	33	ND	160	290	--
	11/18/92	1,100	6.1	ND	13	5.6	--
	10/16/92	300	0.96	ND	4.0	3.5	--
	6/18/92	WELL WAS INACCESSIBLE					
	3/31/92	15,000	120	1.0	430	530	--
	12/27/91	1,600	15	2.9	40	49	--
	9/27/91	720	13	4.3	26	26	--
	5/6/91	14,000	80	ND	250	550	--
	2/6/91	630	9.6	ND	35	36	--
	11/30/90	570	13	ND	45	36	--
	8/24/90	990	13	ND	48	66	--
	7/19/90	--	--	--	--	--	--
	2/16/90	1,900	11	ND	52	55	--
	May-90	770	6.5	ND	20	32	--
MW-9	3/31/97	ND	ND	ND	ND	ND	ND
	9/21/96	ND	ND	ND	ND	ND	ND
	3/27/96	ND	ND	0.68	ND	0.51	ND
	12/29/95	ND	ND	0.58	ND	0.52	--
	9/28/95	ND	ND	ND	ND	ND	--
	6/26/95	ND	ND	ND	ND	3.9	--
	3/27/95	ND	ND	0.61	ND	2.8	--
	12/19/94	ND	ND	1.6	1.5	8.4	--
MW-10	3/31/97	ND	ND	ND	ND	ND	ND
	9/21/96	ND	ND	ND	ND	ND	ND
	3/27/96	ND	ND	0.68	ND	0.69	ND
	12/29/95	ND	ND	0.65	ND	1.1	--
	10/24/95	ND	ND	ND	ND	ND	--
	7/28/95	ND	ND	ND	ND	ND	--

Table 2

Summary of Laboratory Analyses
Water

---

† Sequoia Analytical Laboratory has potentially identified the presence of MTBE at reportable levels in the ground water sample collected from this well.

†† Sequoia Analytical Laboratory has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 µg/L in the ground water sample collected from this well.

* Chromatogram contains early eluting peak.

** On March 27, 1995, total dissolved solid concentrations were as follows: MW-2 at 410 mg/L; MW3 at 450 mg/L; MW8 at 490 mg/L.

ND = Non-detectable.

-- Indicates analysis was not performed.

Results are in micrograms per liter (µg/L), unless otherwise indicated.

Note - The detection limit for results reported as ND by Sequoia Analytical Laboratory is equal to the stated detection limit times the dilution factor indicated on the laboratory analytical sheets.

- Prior to August 1, 1995, the total purgeable petroleum hydrocarbon (TPH as gasoline) quantification range used by Sequoia Analytical Laboratory was C4 - C12. Since August 1, 1995, the quantification range used by Sequoia Analytical Laboratory is C6 - C12.

- Laboratory analyses data prior to December 13, 1993, were provided by RESNA.

Table 3

Summary of Monitoring Data
Dissolved Oxygen Concentration Measurements

Well #	Date	Dissolved Oxygen (mg/L)	
		Before Purging	After Purging
MW-1	3/31/97	1.47	1.49
MW-2		2.18	2.12
MW-3		1.95	2.06
MW-4		2.66	2.63
MW-5		2.98	3.11
MW-6		3.21	3.11
MW-7		2.29	2.16
MW-8		2.81	2.91
MW-9		3.36	3.27
MW-10		4.48	4.83
MW-1	9/21/96	--	1.01
MW-2		--	--
MW-3		--	--
MW-4		--	2.82
MW-5		--	4.12
MW-6		--	3.74
MW-7		--	1.19
MW-8		--	2.16
MW-9		--	4.13
MW-10		--	5.38
MW-1	3/27/96	1.48	1.02
MW-2		--	--
MW-3		--	--
MW-4		4.32	3.91
MW-5		4.03	4.71
MW-6		5.94	4.96
MW-7		6.63	5.23
MW-8		11.73	9.76
MW-9		5.62	5.23
MW-10		4.38	4.57

Table 3

Summary of Monitoring Data
Dissolved Oxygen Concentration Measurements

Well #	Date	Dissolved Oxygen (mg/L)	
		Before Purging	After Purging
MW-1	12/29/95	--	1.74
MW-2		--	8.71
MW-3		--	6.97
MW-4		--	--
MW-5		--	--
MW-6		--	--
MW-7		--	--
MW-8		--	2.03
MW-9		--	5.32
MW-10		--	5.11
MW-1	9/28/95	--	1.22
MW-2		--	3.00
MW-3		--	1.63
MW-4		--	6.29
MW-5		--	1.96
MW-6		--	4.19
MW-7		--	2.04
MW-8		--	1.85
MW-9		--	5.76
MW-1	6/26/95	--	1.60
MW-2		--	4.55
MW-3		--	1.55
MW-4		--	--
MW-5		--	--
MW-6		--	--
MW-7		--	--
MW-8		--	3.86
MW-9		--	4.61
MW-1	3/27/95*	--	1.5
MW-2		--	1.7
MW-3		--	0.90
MW-4		--	4.90
MW-5		--	5.20
MW-6		--	7.4
MW-7		--	8.4
MW-8		--	2.2
MW-9		--	7.8

Table 3

Summary of Monitoring Data
Dissolved Oxygen Concentration Measurements

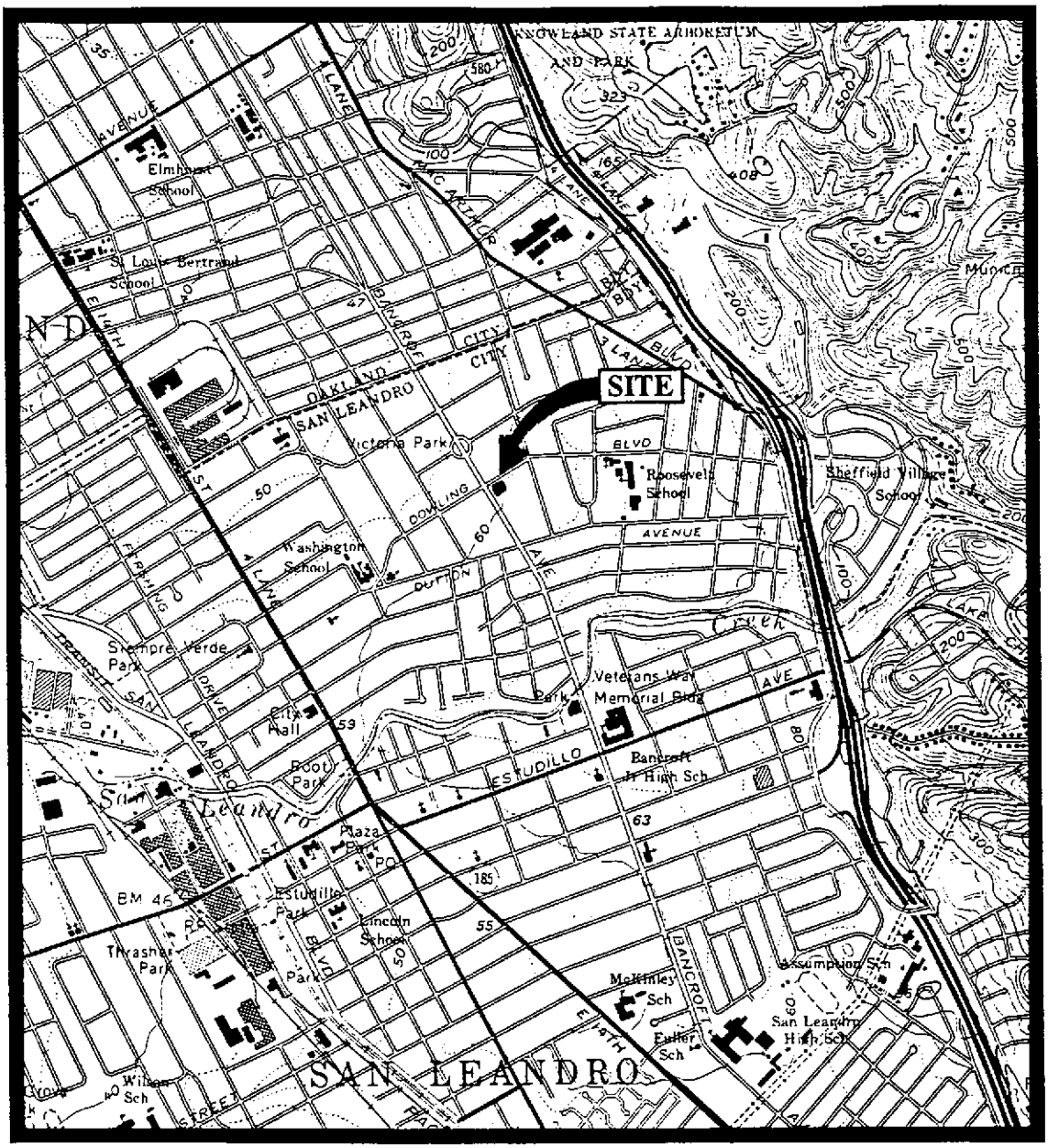
---

* On March 3, 1995, the measurements were taken at Sequoia Analytical Laboratory.

-- Indicates measurement was not taken.

mg/L = milligrams per liter.

Note: In the field, measurements were taken using a LaMotte DO4000 dissolved oxygen meter.

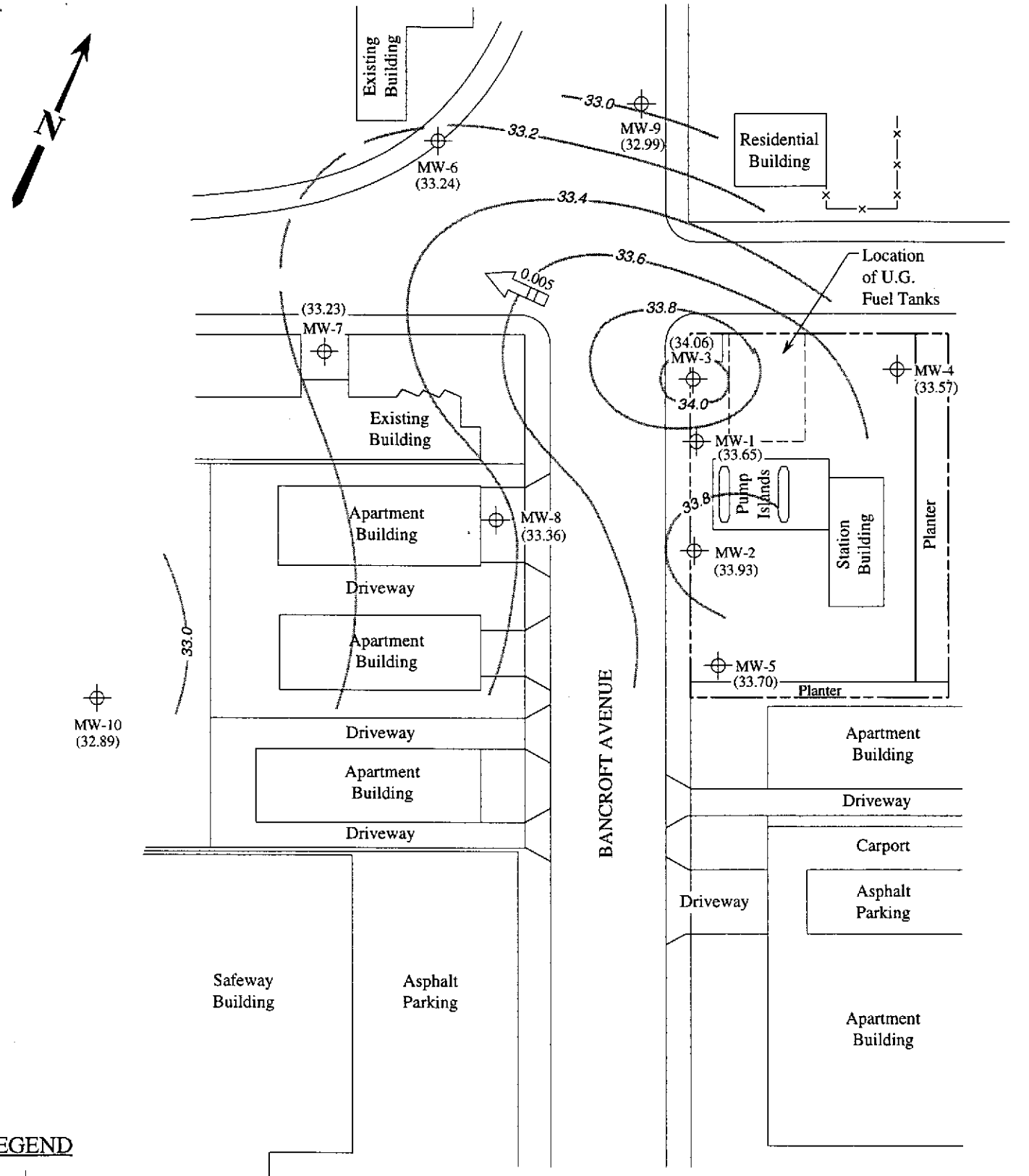


Base modified from 7.5 minute U.S.G.S. San Leandro Quadrangle
(photorevised 1980)

0 2000 4000

Approx. scale feet

mpds SERVICES, INCORPORATED	**UNOCAL SERVICE STATION #5367** **500 BANCROFT AVENUE** **SAN LEANDRO, CALIFORNIA**	**LOCATION MAP**

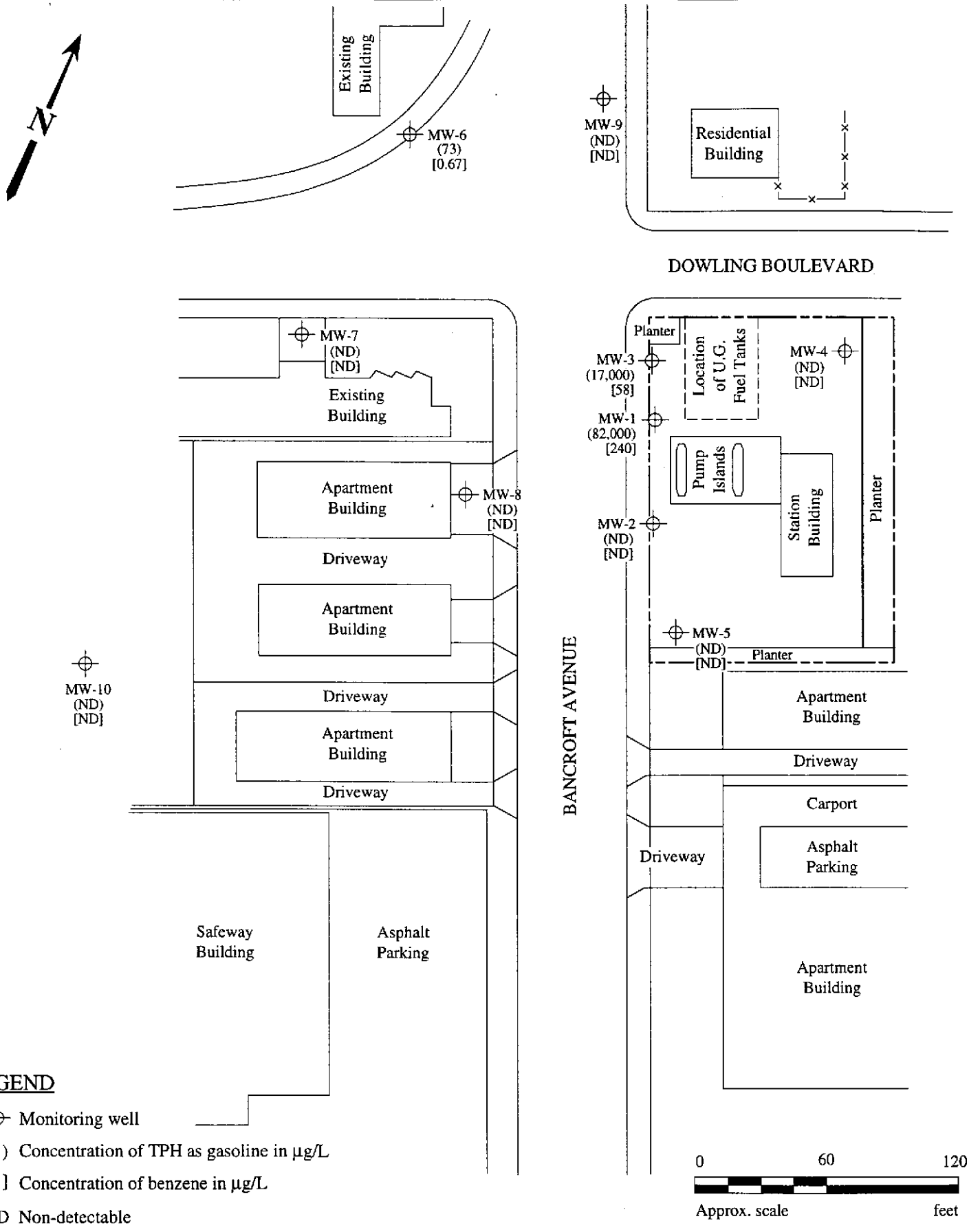


POTENTIOMETRIC SURFACE MAP FOR THE MARCH 31, 1997 MONITORING EVENT

mpds SERVICES, INCORPORATED

UNOCAL SERVICE STATION #5367
500 BANCROFT AVENUE
SAN LEANDRO, CALIFORNIA

FIGURE
1



PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON MARCH 31, 1997

mpds SERVICES, INCORPORATED

UNOCAL SERVICE STATION #5367
500 BANCROFT AVENUE
SAN LEANDRO, CALIFORNIA

FIGURE
2

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

MPDS Services	Client Project ID:	Unocal #5367, 500 Bancroft, San Leandro	Sampled: Mar 31, 1997
2401 Stanwell Dr., Ste. 300	Matrix Descript:	Water	Received: Mar 31, 1997
Concord, CA 94520	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Apr 14, 1997
Attention: Jarrel Crider	First Sample #:	704-0058	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Sample Number	Sample Description	Purgeable Hydrocarbons µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	Total Xylenes µg/L
704-0058	MW-1	82,000	240	8,700	3,800	23,000
704-0059	MW-2	ND	ND	ND	ND	ND
704-0060	MW-3	17,000	58	110	530	1,500
704-0061	MW-4	ND	ND	ND	ND	ND
704-0062	MW-5	ND	ND	ND	ND	ND
704-0063	MW-6	73	0.67	0.82	ND	ND
704-0064	MW-7	ND	ND	ND	ND	ND
704-0065	MW-8	ND	ND	ND	ND	ND
704-0066	MW-9	ND	ND	ND	ND	ND
704-0067	MW-10	ND	ND	ND	ND	ND
Detection Limits:		**50**	**0.50**	**0.50**	**0.50**	**0.50**

Total Purgeable Petroleum Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as ND were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp
Project Manager

7040058.MPD <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

MPDS Services	Client Project ID:	Unocal #5367, 500 Bancroft, San Leandro	Sampled: Mar 31, 1997
2401 Stanwell Dr., Ste. 300	Matrix Descript:	Water	Received: Mar 31, 1997
Concord, CA 94520	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Apr 14, 1997
Attention: Jarrel Crider	First Sample #:	704-0058	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Sample Number	Sample Description	Chromatogram Pattern	DL Mult. Factor	Date Analyzed	Instrument ID	Surrogate Recovery, % QC Limits: 70-130
704-0058	MW-1	Gasoline	200	4/7/97	HP-4	93
704-0059	MW-2	--	1.0	4/7/97	HP-4	103
704-0060	MW-3	Gasoline	100	4/7/97	HP-5	108
704-0061	MW-4	--	1.0	4/7/97	HP-4	103
704-0062	MW-5	--	1.0	4/7/97	HP-4	102
704-0063	MW-6	Gasoline	1.0	4/7/97	HP-5	111
704-0064	MW-7	--	1.0	4/7/97	HP-5	114
704-0065	MW-8	--	1.0	4/7/97	HP-5	112
704-0066	MW-9	--	1.0	4/7/97	HP-5	110
704-0067	MW-10	--	1.0	4/7/97	HP-5	112

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

MPDS Services	Client Project ID:	Unocal #5367, 500 Bancroft, San Leandro	Sampled: Mar 31, 1997
2401 Stanwell Dr., Ste. 300	Sample Descript:	Water	Received: Mar 31, 1997
Concord, CA 94520	Analysis for:	MTBE (Modified EPA 8020)	
Attention: Jarrel Crider	First Sample #:	704-0058	Analyzed: Apr 7, 1997
			Reported: Apr 14, 1997

LABORATORY ANALYSIS FOR: MTBE (Modified EPA 8020)

Sample Number	Sample Description	Detection Limit µg/L	Sample Result µg/L
704-0058	MW-1	500	N.D.
704-0059	MW-2	5.0	N.D.
704-0060	MW-3	250	N.D.
704-0061	MW-4	5.0	N.D.
704-0062	MW-5	5.0	N.D.
704-0063	MW-6	5.0	N.D.
704-0064	MW-7	5.0	N.D.
704-0065	MW-8	5.0	N.D.
704-0066	MW-9	5.0	N.D.
704-0067	MW-10	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

MPDS Services
2401 Stanwell Dr., Ste. 300
Concord, CA 94520
Attention: Jarrel Crider

Client Project ID: Unocal #5367, 500 Bancroft, San Leandro
Matrix: Liquid
QC Sample Group: 7040058-067

Reported: Apr 14, 1997

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD Batch#:	7040059	7040059	7040059	7040059
Date Prepared:	4/7/97	4/7/97	4/7/97	4/7/97
Date Analyzed:	4/7/97	4/7/97	4/7/97	4/7/97
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	80	90	85	88
Matrix Spike Duplicate % Recovery:	80	85	85	88
Relative % Difference:	0.0	5.7	0.0	0.0
LCS Batch#:	4LCS040797	4LCS040797	4LCS040797	4LCS040797
Date Prepared:	4/7/97	4/7/97	4/7/97	4/7/97
Date Analyzed:	4/7/97	4/7/97	4/7/97	4/7/97
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
LCS % Recovery:	85	90	90	93
% Recovery Control Limits:	60-140	60-140	60-140	60-140

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

MPDS Services
2401 Stanwell Dr., Ste. 300
Concord, CA 94520
Attention: Jarrel Crider

Client Project ID: Unocal #5367, 500 Bancroft, San Leandro
Matrix: Liquid
QC Sample Group: 7040058-067

Reported: Apr 14, 1997

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill
MS/MSD Batch#:	7032181	7032181	7032181	7032181
Date Prepared:	4/7/97	4/7/97	4/7/97	4/7/97
Date Analyzed:	4/7/97	4/7/97	4/7/97	4/7/97
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	90	85	90	90
Matrix Spike Duplicate % Recovery:	90	90	95	90
Relative % Difference:	0.0	5.7	5.4	0.0
LCS Batch#:	5LCS040797	5LCS040797	5LCS040797	5LCS040797
Date Prepared:	4/7/97	4/7/97	4/7/97	4/7/97
Date Analyzed:	4/7/97	4/7/97	4/7/97	4/7/97
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
LCS % Recovery:	95	90	100	95
% Recovery Control Limits:	60-140	60-140	60-140	60-140

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

M P D S Services, Inc.
2401 Stanwell Drive, Suite 400, Concord, CA 94520
Tel: (510) 602-5120 Fax: (510) 689-1918

9704024

CHAIN OF CUSTODY

SAMPLER: (JOE) HOVSIA AJEMIAN

WITNESSING AGENCY

UNOCAL S/S # 5367 CITY: San Leandro

ADDRESS: 500 Bancroft.

ANALYSES REQUESTED

TURN AROUND TIME: Regular

SAMPLE ID NO.	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPH-GAS BTEX & MTBE	TPH-DIESEL	TOG	8010					REMARKS
MW-1	3-31-97	4:25 P.M	✓	✓		2 VOA	Wells	✓		7040058	A-B					MTBE: 5 ppb
MW-2	"	2:12 P.M	"	"		"	"	"		7040059						
MW-3	"	3:45 P.M	"	"		"	"			7040060						
MW-4	"	9:55 A.M	"	"		"	"	"		7040061						
MW-5	"	10.35 A.M	"	"		"	"	"		7040062						
MW-6	"	1:25 P.M	"	"		"	"	"		7040063						
MW-7	"	11:23 A.M	"	"		"	"	"		7040064						
MW-8	"	2:50 P.M	"	"		"	"	"		7040065						
MW-9	"	12:05 P.M	"	"		"	"	"		7040066						
MW-10	"	12:43 P.M	"	"		"	"	"		7040067	✓					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
(SIGNATURE) [signature]	3-31-97 8:05 P.M	(SIGNATURE) 3-31-97
(SIGNATURE) [signature]	3-31-97 1345	(SIGNATURE) [signature]
(SIGNATURE) [signature]	4-1-97 15:15	(SIGNATURE) [signature]
(SIGNATURE)		

THE FOLLOWING MUST BE COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSES:

1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? Y
2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? Y
3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? N
4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? Y

SIGNATURE: [signature] TITLE: analyst DATE: 3-31-97

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: # 5367 - S. Leandro
500 Bancroft

DATE & TIME SAMPLED 3-31-97 4:25 A.M. (P.M.)

FIELD TECHNICIAN Joe

PURGE METHOD Bail

DATE(S) PURGED 3-31-97

WELL NUMBER mw-1

WATER LEVEL-**INITIAL** 24.18

SAMPLING METHOD Bail

WATER LEVEL-**FINAL** 25.02

CONTAINERS 2

WELL DEPTH 35.15

PRESERVATIVES ✓

WELL CASING VOLUME 1.86

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([µmhos/cm]x1000 (± 10% of TOTAL	pH (± 0.2)
4:00	0	67.7	1.86	7.39
	2	68.5	1.90	7.42
	4	68.0	1.84	7.18
4:12	6	67.9	1.81	7.09

† Correction Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.6
12"	5.87

/P&S

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #5367 – S. Cendro
500 Bancroft.

DATE & TIME SAMPLED 3-31-97 2:12 A.M. (P.M.)

FIELD TECHNICIAN Joe

PURGE METHOD Pump

DATE(S) PURGED 3-31-97

WELL NUMBER mw-2

WATER LEVEL-**INITIAL** 24.20

SAMPLING METHOD Bail

WATER LEVEL-**FINAL** 24.67

CONTAINERS 2

WELL DEPTH 46.90

PRESERVATIVES ✓

WELL CASING VOLUME 14.76

†CASING DIAMETER 4"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([µmhos/cm]x1000 (± 10% of TOTAL	pH (± 0.2)
1:38	0	70.–	1.84	8.15
	15	69.8	1.82	7.61
	30	69.6	1.81	7.42
2:00	45	70.1	1.89	7.38

† Correction Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.6
12"	5.87

/P&S

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #5367 - S. Leandro
500 Bancroft

DATE & TIME SAMPLED: 3-31-97 3:45 A.M. (P.M.)

FIELD TECHNICIAN: Joe

PURGE METHOD: Pump

DATE(S) PURGED: 3-31-97

WELL NUMBER: MW-3

WATER LEVEL-**INITIAL**: 23.86

SAMPLING METHOD: Bail

WATER LEVEL-**FINAL**: 24.11

CONTAINERS: 2

WELL DEPTH: 48.22

PRESERVATIVES: ✓

WELL CASING VOLUME: 15.83

†CASING DIAMETER: 4"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([µmhos/cm]x100Ø (± 10% of TOTAL	pH (± 0.2)
3:12	0	69.0	1.96	7.67
	16	68.4	2.05	7.29
	32	69.7	2.08	7.22
3:35	48	70.0	2.05	7.31

† Correction Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.6
12"	5.87

/P&S

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #5367 S. Leandro
500 Bancroft.

DATE & TIME SAMPLED 3-31-97 9:55 (A.M.) P.M.

FIELD TECHNICIAN Joe

PURGE METHOD Pump

DATE(S) PURGED 3-31-97

WELL NUMBER MW-21

WATER LEVEL-**INITIAL** 24.72

SAMPLING METHOD Bail

WATER LEVEL-**FINAL** 25.36

CONTAINERS 2

WELL DEPTH 48.50

PRESERVATIVES ✓

WELL CASING VOLUME 15.46

†CASING DIAMETER 4"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([µmhos/cm]x100) (± 10% of TOTAL	pH (± 0.2)
9:15	0	68.9	2.44	7.65
	15	70.2	2.19	7.38
	31	70.5	2.22	7.30
9:42	46	70.6	2.21	7.39

† Correction Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.6
12"	5.87

/P&S

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #5367- S. Leandro
500 Bancroft

DATE & TIME SAMPLED 3-31-97 10:35 (A.M) P.M.

FIELD TECHNICIAN Joe

PURGE METHOD Pump

DATE(S) PURGED 3-31-97

WELL NUMBER MW-5

WATER LEVEL-**INITIAL** 24.80

SAMPLING METHOD Bail

WATER LEVEL-**FINAL** 24.90

CONTAINERS 2

WELL DEPTH 44.40

PRESERVATIVES ✓

WELL CASING VOLUME 3.33

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([µmhos/cm]x1000 (± 10% of TOTAL	pH (± 0.2)
10:15	0	69.0	2.57	7.70
	3.5	70.0	2.52	7.52
	7	70.1	2.54	7.50
10:25	10	70.2	2.51	7.43

† Correction Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.6
12"	5.87

/P&S

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: 5367 - E. Leandro
500 Bancroft

DATE & TIME SAMPLED 3-31-97 1:25 A.M. (P.M.)

FIELD TECHNICIAN Joe

PURGE METHOD Pump

DATE(S) PURGED 3-31-97

WELL NUMBER MW-6

WATER LEVEL-**INITIAL** 23.72

SAMPLING METHOD Bail

WATER LEVEL-**FINAL** 24.30

CONTAINERS 2

WELL DEPTH 44.60

PRESERVATIVES ✓

WELL CASING VOLUME 3.55

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([µmhos/cm]x1000) (± 10% of TOTAL	pH (± 0.2)
1:00	0	69.5	2.87	7.51
	3	71.0	2.90	7.32
	6.5	71.4	2.92	7.30
1:10	11	71.2	2.96	7.26

† Correction Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.6
12"	5.87

/P&S

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #5367 - S. Leandro
500 Bancroft Ave.

DATE & TIME SAMPLED: 3-31-97 11:23 (A.M.) P.M.

FIELD TECHNICIAN: Joe

PURGE METHOD: Pump

DATE(S) PURGED: 3-31-97

WELL NUMBER: MW-7

WATER LEVEL-**INITIAL**: 24.02

SAMPLING METHOD: Bail

WATER LEVEL-**FINAL**: 24.12

CONTAINERS: 2

WELL DEPTH: 43.97

PRESERVATIVES: ✓

WELL CASING VOLUME: 3.39

†CASING DIAMETER: 2"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([µmhos/cm]x1000) (± 10% of TOTAL	pH (± 0.2)
11:00	0	70.0	3.67	7.61
	3.5	70.8	3.60	7.55
	7	71.0	3.56	7.45
11:12	10.5	71.0	3.54	7.41

† Correction Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.6
12"	5.87

/P&S

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #5367 S. Leandro
500 Bancroft

DATE & TIME SAMPLED: 3-31-97 2:50 A.M. P.M.

FIELD TECHNICIAN: Joe

PURGE METHOD: Pump

DATE(S) PURGED: 3-31-97

WELL NUMBER: MW-8

WATER LEVEL-**INITIAL**: 24.35

SAMPLING METHOD: Bail

WATER LEVEL-**FINAL**: 25.16

CONTAINERS: 2

WELL DEPTH: 43.90

PRESERVATIVES: ✓

WELL CASING VOLUME: 3.32

†CASING DIAMETER: 2"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([µmhos/cm]x1000) (± 10% of TOTAL	pH (± 0.2)
2:30	0	69.8	3.90	7.77
	3.5	70.8	3.95	7.37
	7	70.0	4.05	7.30
2:40	10	70.9	3.99	7.20

† Correction Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.6
12"	5.87

/P&S

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #5367 - S. Leandro
500 Bancroft

DATE & TIME SAMPLED 3-31-97 12:05 A.M. (P.M.)

FIELD TECHNICIAN Joe

PURGE METHOD Pump

DATE(S) PURGED 3-31-97

WELL NUMBER MW-9

WATER LEVEL-**INITIAL** 23.48

SAMPLING METHOD Bail

WATER LEVEL-**FINAL** 24.37

CONTAINERS 2

WELL DEPTH 44.65

PRESERVATIVES ✓

WELL CASING VOLUME 3.60

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([µmhos/cm]x1000 (± 10% of TOTAL	pH (± 0.2)
11:45	0	71.0	3.25	7.49
	3.5	71.2	3.06	7.40
	7	71.5	2.98	7.22
11:55	11	71.1	3.04	7.10

† Correction Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.6
12"	5.87

/P&S

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #5367 — S. Leandro
500 Bancroft.

DATE & TIME SAMPLED 3-31-97 12:43 A.M. (P.M.)

FIELD TECHNICIAN Joe

PURGE METHOD Pump

DATE(S) PURGED 3-31-97

WELL NUMBER MW-10

WATER LEVEL-**INITIAL** 26.05

SAMPLING METHOD Bail

WATER LEVEL-**FINAL** 26.95

CONTAINERS 2

WELL DEPTH 42.68

PRESERVATIVES ✓

WELL CASING VOLUME 2.83

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([µmhos/cm]x100) (± 10% of TOTAL	pH (± 0.2)
12:20	0	70.0	2.95	7.68
	3	71.0	2.90	7.58
	6	72.0	2.76	7.37
12:30	9	71.8	2.74	7.44

† Correction Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.6
12"	5.87

/P&S