MONITORING
PURGING
DISPOSING
SAMPLING

MPDS SERVICES, INCORPORATED

ST ID 5017
SDS

September 10, 1997

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

Attention: Mr. Scott Seery

RE: Unocal Service Station #7376
4191 First Street
Pleasanton, 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-UN7376-10) dated **July 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

/jfc

Enclosure

cc: Ms. Tina R. Berry

2401 Stanwell Drive, Suite 300, Concord, CA 94520
TEL: (510) 602-5120 FAX: (510) 689-1918

MONITORING
PURGING
DISPOSING
SAMPLING

MPDS SERVICES, INCORPORATED

MPDS-UN7376-10
July 29, 1997

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

Attention: Ms. Tina R. Berry

RE: Quarterly Data Report
Unocal Service Station #7376
4191 First Street
Pleasanton, California

Dear Ms. Berry:

This data report presents the results of the most recent quarter of 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 during this quarter are indicated in Table 1. 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 quarter is shown on the attached Figure 1.

Ground water samples were collected on June 27, 1997. Prior to sampling, the wells were each purged of between 1.5 and 7.5 gallons of water. 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, TPH as diesel, and benzene detected in the ground water samples collected this quarter are shown on the attached Figure 2. Copies of the laboratory analytical results and the Chain of Custody documentation are attached to this report.

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

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.

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

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/00
CIVIL
STATE OF CALIFORNIA

License No. C55734
Exp. Date December 31, 2000

/aab

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

cc: Mr. Sarkis A. Soghomonian, Kaprealian Engineering, 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 June 27, 1997)			
MW1	286.94	80.05	86.42	0	No	3.5
MW2B	282.65	82.40	85.26	0	No	1.5
MW3	283.74	83.27	94.12	0	No	6
MW4	289.97	79.06	93.06	0	No	7.5
MW5	295.03†	68.88	72.52	0.90	N/A	0 (18)
MW6	282.67	80.45	88.00	0	No	4
			(Monitored and Sampled on March 7, 1997)			
MW1	295.50	71.49	86.40	0	No	8
MW2B	295.38	69.67	85.25	0	Yes	8
MW3	295.43	71.58	94.09	0	No	12
MW4	300.99	68.04	94.95	0	No	13.5
MW5	306.93	56.30	72.59	0	Yes	9
MW6	295.51	67.61	88.09	0	No	11
			(Monitored and Sampled on December 21, 1996)			
MW1	288.03	78.96	86.43	0	No	4
MW2B	287.70	77.35	85.29	0	No	4.5
MW3	287.72	79.29	94.15	0	No	8
MW4	291.34	77.69	93.10	0	No	8
MW5	301.46	61.77	72.55	0	Yes	5.5
MW6	287.72	75.40	88.02	0	No	6.5
			(Monitored and Sampled on September 18, 1996)			
MW1	287.09	79.90	86.39	0	No	3.5
MW2B	283.97	81.08	85.25	0	No	2.5
MW3	284.17	82.84	94.10	0	No	6
MW4	295.36	73.67	94.99	0	No	13
MW5	299.03	64.20	72.58	0	No	5.5
MW6	284.05	79.07	88.09	0	No	6

Table 1

Summary of Monitoring Data

Well #	Well Casing Elevation (feet)*
MW1	366.99
MW2B	365.05
MW3	367.01
MW4	369.03
MW5	363.23
MW6	363.12

(#) Product purged in ounces.

† Ground water elevation corrected for the presence of free product (correction factor = 0.75).

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

* The elevations of the top of the well casings were surveyed relative to City of Pleasanton Benchmark V1, a brass disk on the north curb of Ray Street, approximately 200 feet northwest of the centerline of First Street (elevation = 367.17 feet Mean Sea Level).

Table 2

Summary of Laboratory Analyses
Water

Well #	Date	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW1	12/8/87*	2,100**	50♦	58	8	ND	10	--
	12/7/94	--	ND	ND	ND	ND	ND	--
	3/1/95	120	ND	ND	1.1	ND	1.3	--
	6/1/95	54††	130	1.0	2.9	0.79	4.5	--
	9/6/95	690	ND	ND	ND	ND	ND	§
	12/12/95	190††	ND	ND	ND	ND	ND	--
	3/1/96	56	ND	ND	ND	ND	ND	370
	6/15/96	ND	ND	ND	ND	ND	ND	270
	9/18/96	130††	ND	ND	ND	ND	ND	590
	12/21/96	ND	ND	ND	ND	ND	ND	150
	3/7/97	ND	ND	ND	ND	ND	ND	220
	6/27/97	ND	ND	ND	ND	ND	ND	17
MW2	12/8/87	620**	1,800♦	910	800	260	1,200	--
	12/7/94	WELL WAS DAMAGED						
	2/7/95	WELL WAS DESTROYED						
MW2B	3/1/95	320	ND	ND	ND	ND	ND	--
	6/1/95	280	350	19	5.8	ND	7.7	--
	9/6/95	ND	ND	90	ND	ND	ND	§
	12/12/95	850†	1,200	630	ND	15	57	§§
	3/1/96	870†	1,000	620	ND	ND	5.3	4,300
	6/15/96	420	910	350	ND	ND	ND	3,700
	9/18/96	600	1,200	95	ND	ND	ND	5,200
	12/21/96	470	330‡	57	ND	ND	ND	2,900
	3/7/97	870†	190	28	0.64	ND	1.5	4,300
	6/27/97	680†	98	3.4	1.0	0.53	ND	3,100
MW3	12/8/87	2300**	24,000♦	2,600	1,300	160	660	--
	12/7/94	--	ND	ND	ND	ND	ND	--
	3/1/95	140†	ND	ND	1.1	ND	1.1	--
	6/1/95	140††	62	7.8	0.90	ND	1.6	--
	9/6/95	880††	4,100	380	490	130	710	§
	12/12/95	3,100†	19,000	600	380	2,100	5,300	§§
	3/1/96	1,500††	3,400	950	3.2	1,900	290	59
	6/15/96	400†	780	190	8.8	3.8	4.0	630
	9/18/96	170	2,800	340	12	11	110	2,500
	12/21/96	64†	51	1.3	ND	ND	0.53	20
	3/7/97	570†	1,400	53	14	29	68	220
	6/27/97	ND	ND	ND	ND	ND	ND	27
MW4	9/18/96	200	160	14	ND	ND	1.6	ND
	12/21/96	ND	ND	ND	ND	ND	ND	ND
	3/7/97	ND	ND	1.9	0.99	ND	1.5	ND
	6/27/97	ND	ND	ND	ND	ND	ND	ND

Table 2

Summary of Laboratory Analyses
Water

Well #	Date	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW5	9/18/96	4,700††	36,000	6,700	410	730	6,500	4,100
	12/21/96	4,700†	25,000	3,200	300	780	3,600	2,600
	3/7/97	2,100†	14,000	1,300	120	410	1,200	1,700
	6/27/97	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						
MW6	9/18/96	ND	160	5.4	ND	ND	ND	ND
	12/21/96	ND	300‡	96	1.3	ND	1.7	21
	3/7/97	190†	1,800‡	920	18	ND	31	290
	6/27/97	73††	ND	0.73	ND	ND	38	38

* 1,2 - Dichloroethene was detected at a concentration of 18 µg/L.

** Reported as Total Extractable Hydrocarbons (TEH).

♦ Reported as Total Petroleum Hydrocarbons (TPH).

† Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a diesel and non-diesel mixture.

†† Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be diesel.

‡ Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.

§ 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 sample collected from this well.

MTBE = Methyl tert butyl ether.

ND = Non-detectable.

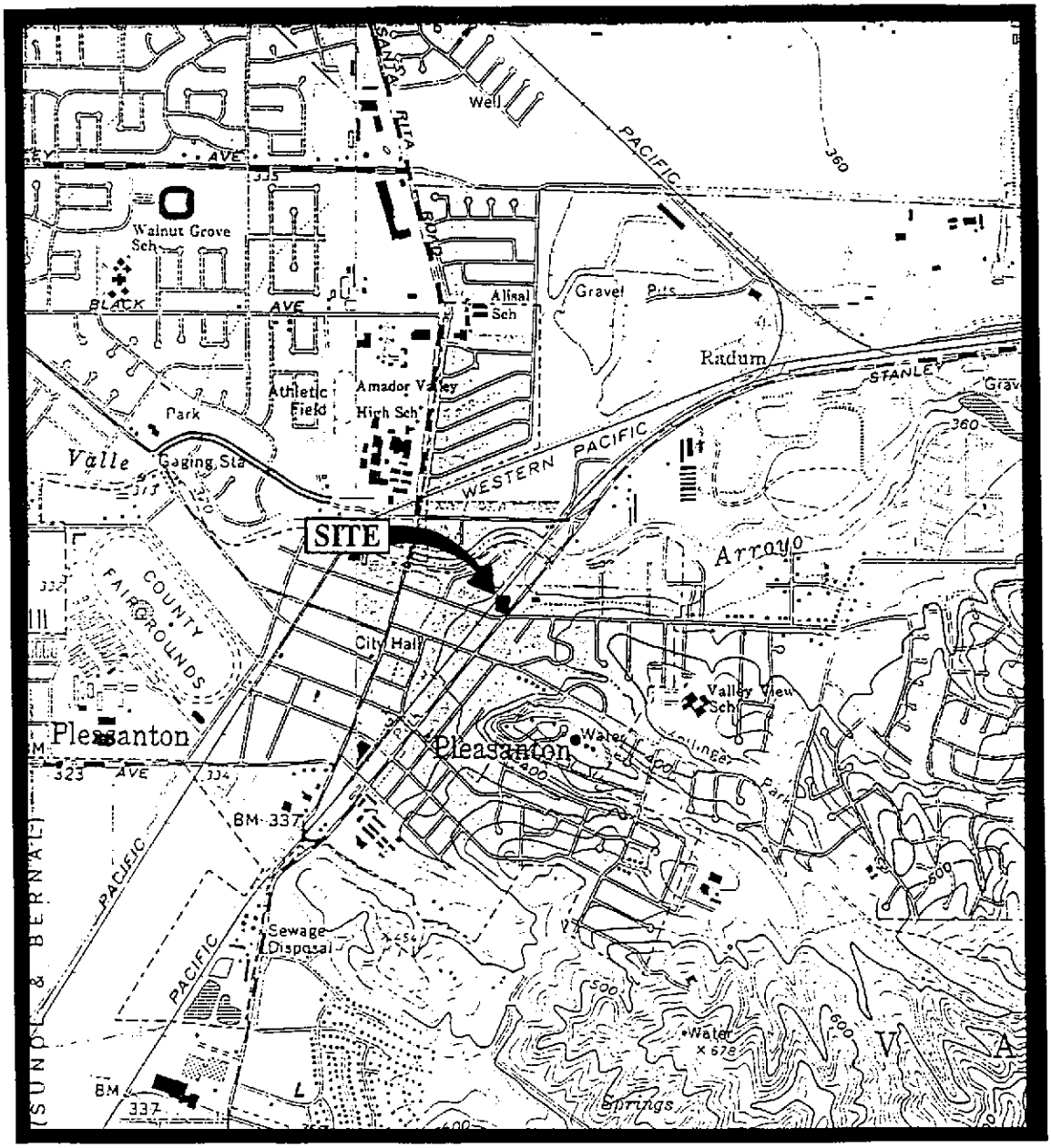
-- Indicates analysis was not performed.

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.

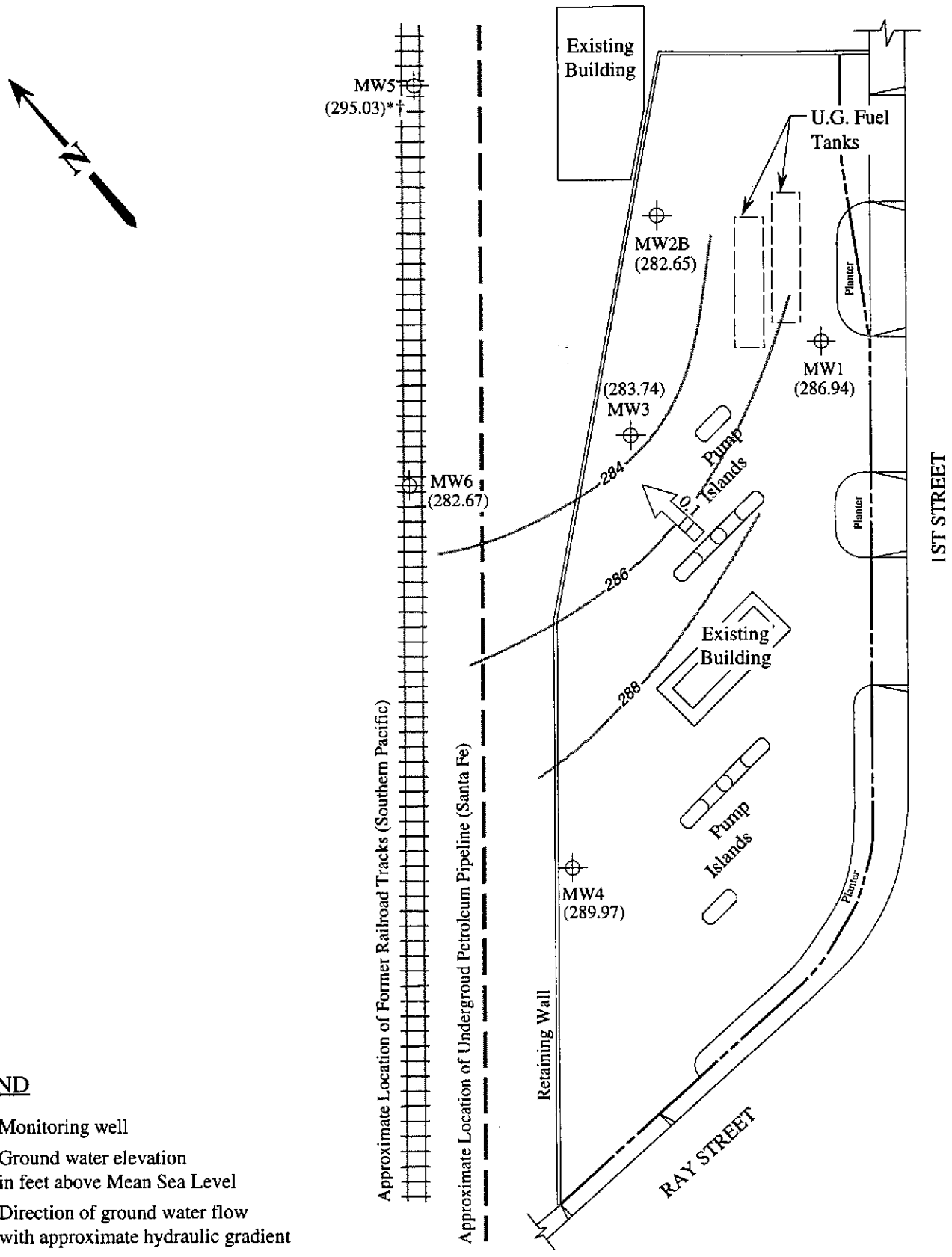
Prior to August 1, 1995, the total purgeable petroleum hydrocarbon (TPH as gasoline) quantification range used by Sequoia Analytical Laboratory was C4 - C12. Since August 1, 1995, the quantification range used by Sequoia Analytical Laboratory is C6 - C12.

Laboratory analyses data prior to March 1, 1995 were provided by Kaprealian Engineering, Inc.



Base modified from 7.5 minute U.S.G.S. Dublin and Livermore Quadrangles (both photorevised 1980)

mpds SERVICES, INCORPORATED	**UNOCAL SERVICE STATION #7376** **4191 1ST STREET** **PLEASANTON, CALIFORNIA**	**LOCATION MAP**



LEGEND

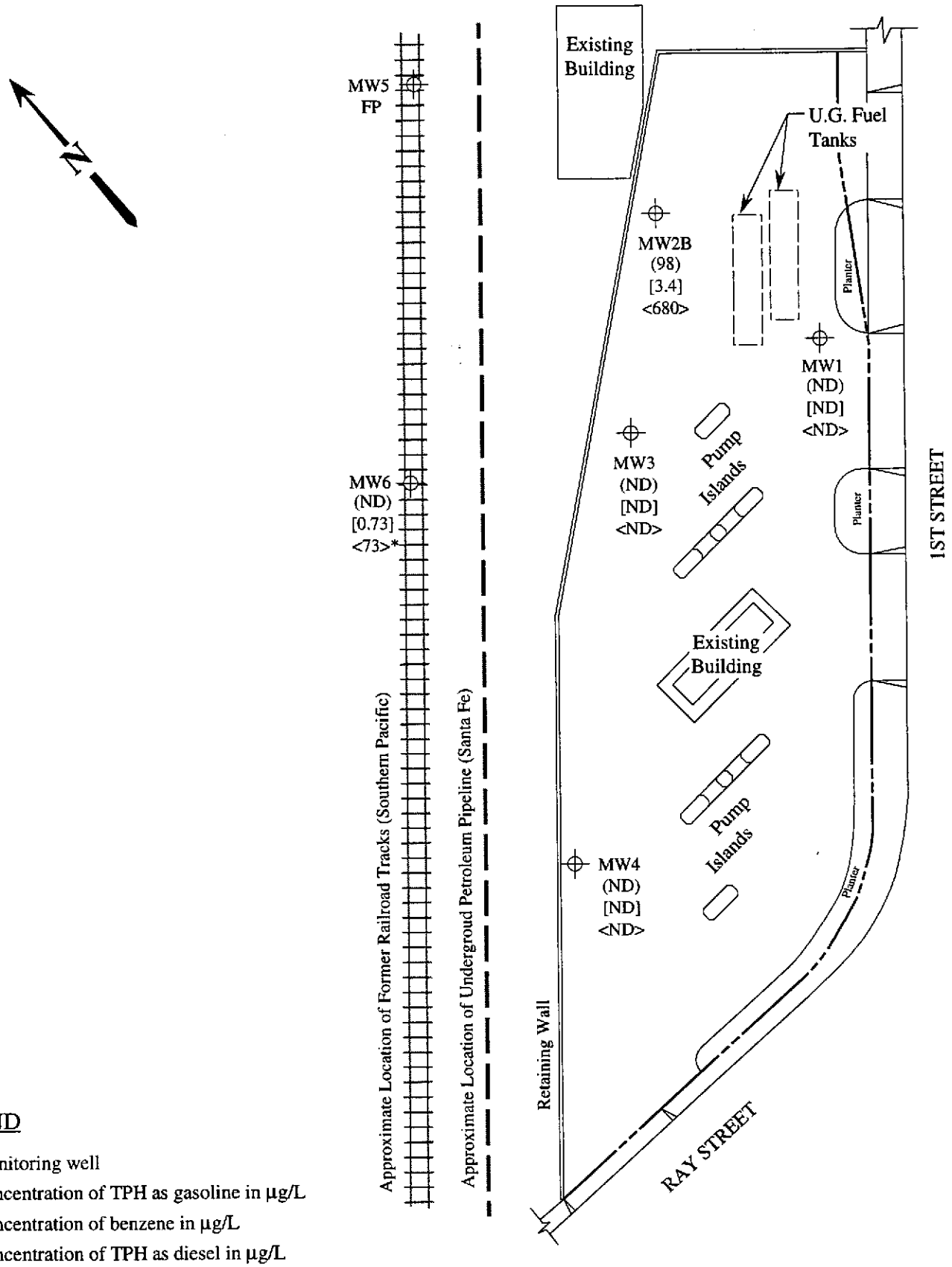
- Monitoring well
- ( ) Ground water elevation in feet above Mean Sea Level
- #.## Direction of ground water flow with approximate hydraulic gradient
- Contours of ground water elevation

* Groundwater elevation corrected due to the presence of free product.

† Elevation was not used to calculate contours.

POTENTIOMETRIC SURFACE MAP FOR THE JUNE 27, 1997 MONITORING EVENT

mpds SERVICES, INC.	**UNOCAL SERVICE STATION #7376** **4191 1ST STREET** **PLEASANTON, CALIFORNIA**	0 40 80 Approx. scale feet	FIGURE **1**



LEGEND

⊕ Monitoring well

( ) Concentration of TPH as gasoline in µg/L

[ ] Concentration of benzene in µg/L

< > Concentration of TPH as diesel in µg/L

ND Non-detectable, FP Free product

* The lab reported that the hydrocarbons detected did not appear to be diesel.

PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON JUNE 27, 1997

mpds SERVICES, INC.	**UNOCAL SERVICE STATION #7376** **4191 1ST STREET** **PLEASANTON, CALIFORNIA**	0 40 80 Approx. scale feet	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:	Tosco #7376, 4191 1st St., Pleasanton	Sampled: Jun 27, 1997
2401 Stanwell Dr., Ste. 300	Matrix Descript:	Water	Received: Jun 27, 1997
Concord, CA 94520	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Jul 15, 1997
Attention: Jarrel Crider	First Sample #:	706-1511	

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
706-1511	MW-1	ND	ND	ND	ND	ND
706-1512	MW-2B	98	3.4	1.0	0.53	ND
706-1513	MW-3	ND	ND	ND	ND	ND
706-1514	MW-4	ND	ND	ND	ND	ND
706-1515	MW-6	ND	0.73	ND	ND	38
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

7061511.MPD <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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MPDS Services	Client Project ID:	Tosco #7376, 4191 1st St., Pleasanton	Sampled:	Jun 27, 1997
2401 Stanwell Dr., Ste. 300	Matrix Descript:	Water	Received:	Jun 27, 1997
Concord, CA 94520	Analysis Method:	EPA 5030/8015 Mod./8020	Reported:	Jul 15, 1997
Attention: Jarrel Crider	First Sample #:	706-1511		

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
706-1511	MW-1	--	1.0	6/30/97	HP-2	82
706-1512	MW-2B	Gasoline	1.0	6/30/97	HP-2	86
706-1513	MW-3	--	1.0	6/30/97	HP-2	84
706-1514	MW-4	--	1.0	6/30/97	HP-2	79
706-1515	MW-6	--	1.0	7/1/97	HP-4	108

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

MPDS Services	Client Project ID:	Tosco #7376, 4191 1st St., Pleasanton	Sampled: Jun 27, 1997
2401 Stanwell Dr., Ste. 300	Sample Descript:	Water	Received: Jun 27, 1997
Concord, CA 94520	Analysis for:	MTBE (Modified EPA 8020)	
Attention: Jarrel Crider	First Sample #:	706-1511	Analyzed: Jun 30-Jul 1, 97
			Reported: Jul 15, 1997

LABORATORY ANALYSIS FOR: MTBE (Modified EPA 8020)

Sample Number	Sample Description	Detection Limit µg/L	Sample Result µg/L
706-1511	MW-1	5.0	17
706-1512	MW-2B	25	3,100
706-1513	MW-3	5.0	27
706-1514	MW-4	5.0	N.D.
706-1515	MW-6	5.0	38

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	Client Project ID:	Tosco #7376, 4191 1st St., Pleasanton	Sampled: Jun 27, 1997
2401 Stanwell Dr., Ste. 300	Sample Matrix:	Water	Received: Jun 27, 1997
Concord, CA 94520	Analysis Method:	EPA 3510/8015 Mod.	Reported: Jul 15, 1997
Attention: Jarrel Crider	First Sample #:	706-1511	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 706-1511 MW-1	Sample I.D. 706-1512 MW-2B^	Sample I.D. 706-1513 MW-3	Sample I.D. 706-1514 MW-4	Sample I.D. 706-1515 MW-6*
Extractable Hydrocarbons	50	N.D.	680	N.D.	N.D.	73
Chromatogram Pattern:		--	Diesel & Unidentified Hydrocarbons >C20	--	--	Unidentified Hydrocarbons >C20

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.1	1.0	1.0	1.0
Date Extracted:	6/30/97	6/30/97	6/30/97	6/30/97	6/30/97
Date Analyzed:	7/1/97	7/1/97	7/1/97	7/1/97	7/1/97
Instrument Identification:	GCHP-3A	GCHP-3A	GCHP-3A	GCHP-3A	GCHP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp
Project Manager

Please Note:
^ This sample appears to contain diesel and non-diesel mixtures. "Unidentified Hydrocarbons >C20", refers to unidentified peaks in the total oil and grease range.
* This sample does not appear to contain diesel. "Unidentified Hydrocarbons >C20", refers to unidentified peaks in the total oil and grease range.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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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: Tosco #7376, 4191 1st St., Pleasanton
Matrix: Liquid
QC Sample Group: 7001511-518

Reported: Jul 15, 1997

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb
MS/MSD Batch#:	7061476	7061476	7061476	7061476
Date Prepared:	6/30/97	6/30/97	6/30/97	6/30/97
Date Analyzed:	6/30/97	6/30/97	6/30/97	6/30/97
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	85	105	90	97
Matrix Spike Duplicate % Recovery:	85	100	90	95
Relative % Difference:	0.0	4.9	0.0	1.7
LCS Batch#:	2LCS063097	2LCS063097	2LCS063097	2LCS063097
Date Prepared:	6/30/97	6/30/97	6/30/97	6/30/97
Date Analyzed:	6/30/97	6/30/97	6/30/97	6/30/97
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
LCS % Recovery:	85	105	95	100
% Recovery Control Limits:	70-130	70-130	70-130	70-130

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

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

Client Project ID: Tosco #7376, 4191 1st St., Pleasanton
Matrix: Liquid
QC Sample Group: 7061511-518

Reported: Jul 15, 1997

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	D. Sharma
MS/MSD Batch#:	7061574	7061574	7061574	7061574	BLK063097
Date Prepared:	7/1/97	7/1/97	7/1/97	7/1/97	6/30/97
Date Analyzed:	7/1/97	7/1/97	7/1/97	7/1/97	7/1/97
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	GCHP-3B
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L
Matrix Spike % Recovery:	85	90	85	88	60
Matrix Spike Duplicate % Recovery:	85	85	85	88	60
Relative % Difference:	0.0	5.7	0.0	0.0	0.0
LCS Batch#:	4LCS062697	4LCS062697	4LCS062697	4LCS062697	LCS063097
Date Prepared:	7/1/97	7/1/97	7/1/97	7/1/97	6/30/97
Date Analyzed:	7/1/97	7/1/97	7/1/97	7/1/97	7/1/97
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	GCHP-3B
LCS % Recovery:	85	90	90	92	67
% Recovery Control Limits:	70-130	70-130	70-130	70-130	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

9706147

CHAIN OF CUSTODY

SAMPLER: STEVE BALIAN
WITNESSING AGENCY:

TOSCO S/S # 7376 CITY: PLEASANTON
ADDRESS: 4191 FIRST STREET

TURN AROUND TIME: REGULAR

SAMPLE ID NO.	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPH-G/BTEX	TPH-D	MTBE	8010	TOG				REMARKS
								ANALYSES REQUESTED								
MW-1	6-27-97	10:10	X	X		3	WELL	X	X	X		7061511	A-C			MTBE 5-PPb
MW-2B	"	11:50	X	X		3	"	X	X	X		7061512				
MW-3	"	12:35	X	X		3	"	X	X	X		7061513				
MW-4	"	11:10	X	X		3	"	X	X	X		7061514				
MW-6	"	13:25	X	X		3	"	X	X	X		7061515				

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME
STEVE BALIAN (SIGNATURE)	15:35 6-27-97	(SIGNATURE)	15:35 6/27/97
(SIGNATURE)		(SIGNATURE)	
(SIGNATURE)		(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? NO
4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? Y

SIGNATURE: [signature] TITLE: Analyst DATE: 6/27/97

MPDS.Services Inc.
2401 Stanwell Drive
Concord, California 94520

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

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #7376 PLEASANTON
4191 FIRST ST.

DATE & TIME SAMPLED 6-27-97 10:10 (A.M) P.M.

FIELD TECHNICIAN STEVE BALIAN

PURGE METHOD BAIL

DATE(S) PURGED 6-27-97

WELL NUMBER MW-1

WATER LEVEL-**INITIAL** 80.05

SAMPLING METHOD BAIL

WATER LEVEL-**FINAL** 80.21

CONTAINERS 3

WELL DEPTH 86.42

PRESERVATIVES HCl

WELL CASING VOLUME 1.08

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (µmhos/cmx100) or µS/cm	pH
9:35	0	74.3	445 uv	6.99
↓	1	75.0	441 uv	7.33
↓	2	74.9	458 uv	7.43
9:50	3.5	74.7	459 uv	7.47

† Conversion Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.60
12"	5.87

S = Siemens = mhos

Stabilization Criteria:
Temperature = ± 1 °F
Conductivity = ± 10% of total
pH = ± 0.2

/P&S

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Concord, California 94520

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PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #7376 PLEASANTON
4191 FIRST ST.

DATE & TIME SAMPLED 6-27-97 11:50 (A.M.) P.M.

FIELD TECHNICIAN STEVE BALIAN

PURGE METHOD BAIL

DATE(S) PURGED 6-27-97

WELL NUMBER MW-2B

WATER LEVEL-**INITIAL** 82.40

SAMPLING METHOD BAIL

WATER LEVEL-**FINAL** 82.48

CONTAINERS 3

WELL DEPTH 85.26

PRESERVATIVES HCl

WELL CASING VOLUME 0.49

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (µmhos/cmx100) or µS/cm	pH
11:25	0	76.1	508 uv	7.57
↓	0.5	75.2	514 uv	7.41
↓	1	75.1	511 uv	7.52
11:35	1.5	75.0	513 uv	7.50

† Conversion Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.60
12"	5.87

S = Siemens = mhos

Stabilization Criteria:
Temperature = ± 1 °F
Conductivity = ± 10% of total
pH = ± 0.2

/P&S

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PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #7373 PLEASANTON
4191 FIRST ST.

DATE & TIME SAMPLED 6-27-97 12:35 A.M. (P.M.)

FIELD TECHNICIAN STEVE BACIAN

PURGE METHOD BAIL

DATE(S) PURGED 6-27-97

WELL NUMBER MW-3

WATER LEVEL-**INITIAL** 83.27

SAMPLING METHOD BAIL

WATER LEVEL-**FINAL** 83.41

CONTAINERS 3

WELL DEPTH 94.12

PRESERVATIVES HCl

WELL CASING VOLUME 1.84

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (µmhos/cmx100) or µS/cm	pH
12:05	0	76.3	474 uv	7.37
↓	2	75.2	460 uv	7.45
↓	4	75.5	487 uv	7.45
12:20	6	75.3	480 uv	7.47

† Conversion Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.60
12"	5.87

S = Siemens = mhos

Stabilization Criteria:
Temperature = ± 1 °F
Conductivity = ± 10% of total
pH = ± 0.2

/P&S

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PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #7376 PLEASANTON
4191 FIRST ST.

DATE & TIME SAMPLED 6-27-97 11:10 (A.M.) P.M.

FIELD TECHNICIAN STEVE BALIAN

PURGE METHOD BAIL

DATE(S) PURGED 6-27-97

WELL NUMBER MW-4

WATER LEVEL-**INITIAL** 79.06

SAMPLING METHOD BAIL

WATER LEVEL-**FINAL** 79.13

CONTAINERS 3

WELL DEPTH 93.06

PRESERVATIVES HCl

WELL CASING VOLUME 2.38

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (µmhos/cmx100) or µS/cm	pH
10:30	0	74.8	382 uv	7.89
↓	2.5	74.9	377 uv	7.96
↓	5	75.1	377 uv	8.01
10:50	7.5	75.0	378 uv	7.99

† Conversion Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.60
12"	5.87

S = Siemens = mhos

Stabilization Criteria:
Temperature = ± 1 °F
Conductivity = ± 10% of total
pH = ± 0.2

/P&S

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PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: # 7376 PLEASANTON
6191 FIRST ST.

DATE & TIME SAMPLED 6-27-97 13:25 A.M. P.M.

FIELD TECHNICIAN STEVE BALIAN

PURGE METHOD BAIL

DATE(S) PURGED 6-27-97

WELL NUMBER MW-6

WATER LEVEL-**INITIAL** 80.45

SAMPLING METHOD BAIL

WATER LEVEL-**FINAL** 80.70

CONTAINERS 3

WELL DEPTH 88.00

PRESERVATIVES HCl

WELL CASING VOLUME 1.28

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (µmhos/cmx100) or µS/cm	pH
12:50	0	76.1	480 uv	7.45
↓	1.5	74.6	492 uv	7.43
↓	3	73.9	487 uv	7.47
13:05	4	73.9	480 uv	7.49

† Conversion Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.60
12"	5.87

S = Siemens = mhos

Stabilization Criteria:
Temperature = ± 1 °F
Conductivity = ± 10% of total
pH = ± 0.2

/P&S