MONITORING
PURGING
DISPOSING
SAMPLING

MPDS SERVICES, INCORPORATED

97 APR 22 PM 2:15

April 21, 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 Professional, Ms. Tina R. Berry, enclosed please find our data report (MPDS-UN7376-09) dated April 10, 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 Professional at (510) 277-2321.

Sincerely,

MPDS Services, Inc.

Jarrel F. Crider

/jfc

Enclosure

cc: Ms. Tina R. Berry

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

MONITORING
PURGING
DISPOSING
SAMPLING

MPDS SERVICES, INCORPORATED

MPDS-UN7376-07R
November 4, 1996

Unocal Corporation
2000 Crow Canyon Place, Suite 400
P.O. Box 5155
San Ramon, California 94583

Attention: Mr. Robert A. Boust

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

Dear Mr. Boust:

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 September 18, 1996. Prior to sampling, the wells were each purged of between 2.5 and 13 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 Unocal 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.

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

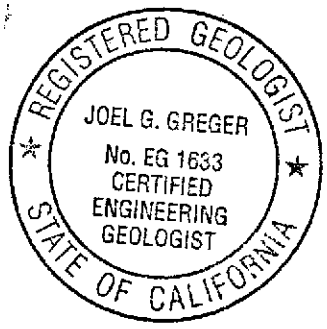
A copy of this report should be sent to Mr. Scott Seery of the Alameda County Health Care Services Agency.

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

Sincerely,

MPDS Services, Inc.

Haig (Gary) Tejirian
Senior Staff Geologist



Joel G. Greger, C.E.G.
Senior Engineering Geologist

License No. EG 1633
Exp. Date 8/31/98

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

cc: Mr. Robert H. Kezerian, 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 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
					No	
(Monitored and Sampled on June 15, 1996)						
MW1	291.92	75.07	86.40	0	No	8
MW2B	291.84	73.21	85.25	0	No	8.5
MW3	291.88	75.13	94.09	0	No	13
(Monitored and Sampled on March 1, 1996)						
MW1	291.90	75.09	86.39	0	No	8
MW2B	291.78	73.27	85.25	0	No	8.5
MW3	291.83	75.18	94.10	0	No	13
(Monitored and Sampled on December 12, 1995)						
MW1	289.44	77.55	86.47	0	No	6.5
MW2B	289.09	75.96	85.33	0	No	6.5
MW3	289.28	77.73	94.20	0	No	11.5

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

Table 1

Summary of Monitoring Data

♦ 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	12/7/94	--	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
MW2	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
MW3	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
MW4	9/18/96	200	160	14	ND	ND	1.6	ND
MW5	9/18/96	4,700††	36,000	6,700	410	730	6,500	4,100
MW6	9/18/96	ND	160	5.4	ND	ND	ND	ND

† 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.

Table 2

Summary of Laboratory Analyses
Water

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§ 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.

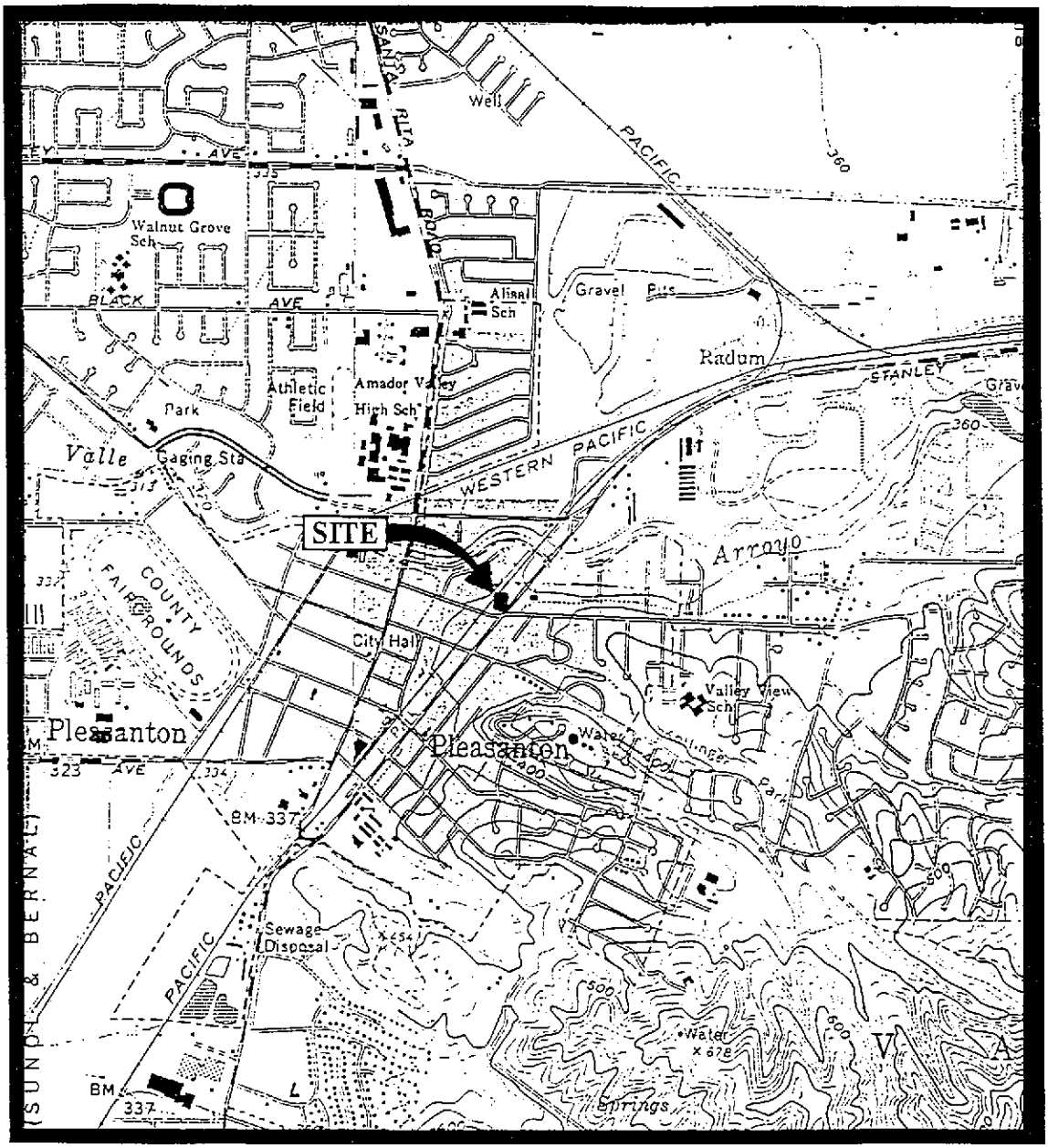
-- Indicates analysis was not performed.

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.

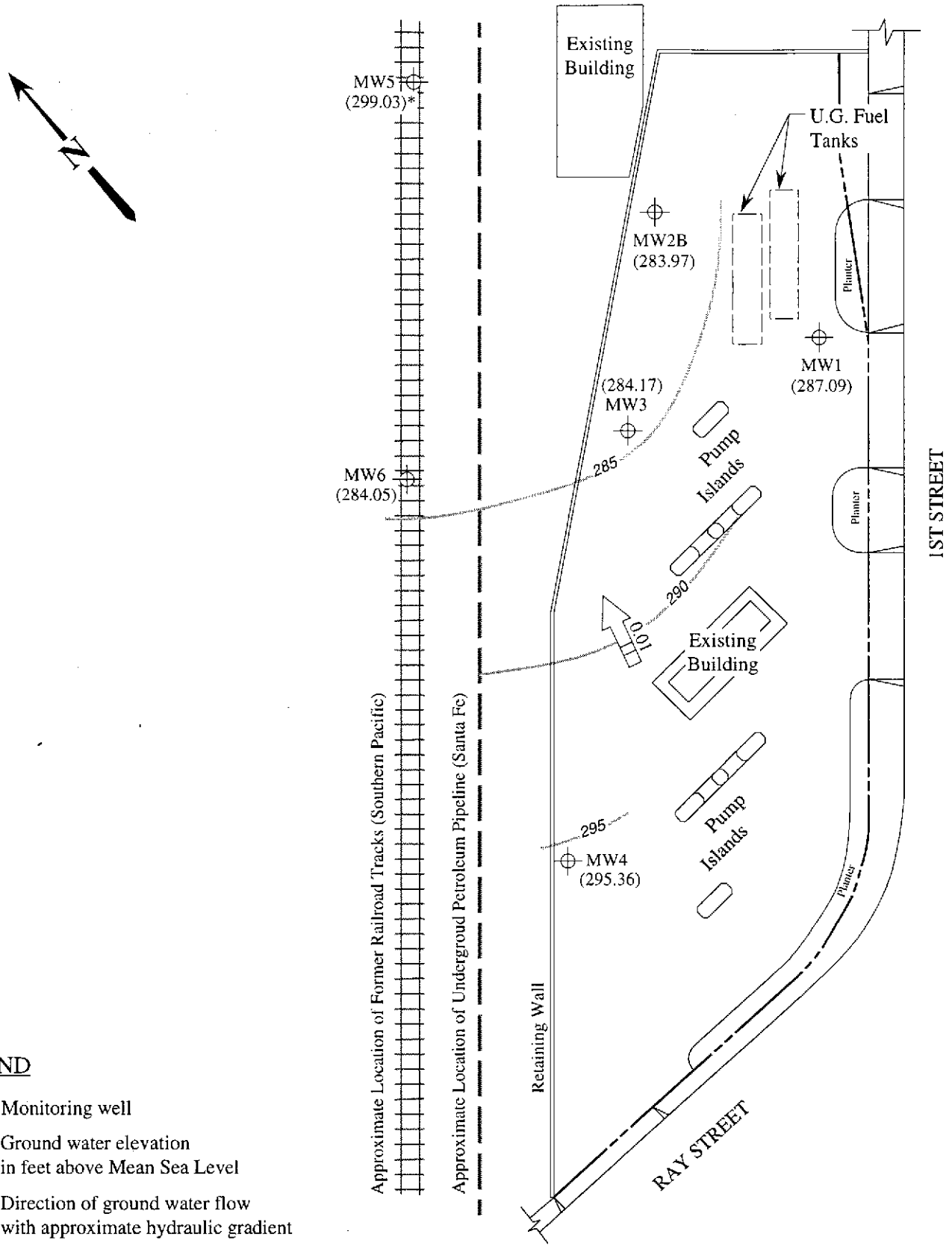
Prior to August 1, 1995, the total purgeable petroleum hydrocarbon (TPH as gasoline) quantification range used by Sequoia Analytical Laboratory was C4 - C12. Since August 1, 1995, the quantification range used by Sequoia Analytical Laboratory is C6 - C12.

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**



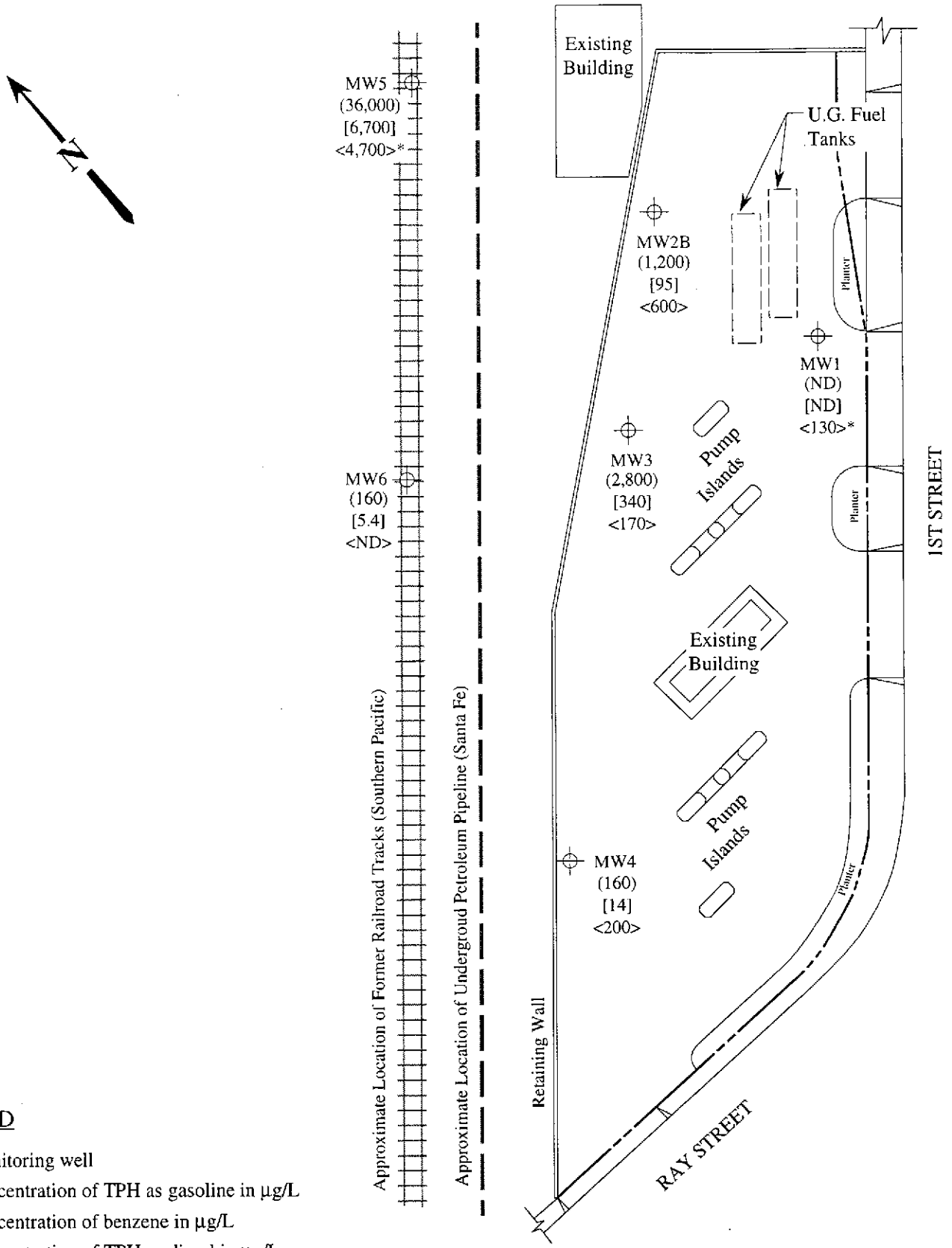
LEGEND

- 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

* Elevation was not used to calculate contours.

POTENTIOMETRIC SURFACE MAP FOR THE SEPTEMBER 18, 1996 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

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

PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON SEPTEMBER 18, 1996

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:	Unocal #7376, 4191 1rst St, Pleasanton	Sampled: Sep 18, 1996
2401 Stanwell Dr., Ste. 300	Matrix Descript:	Water	Received: Sep 20, 1996
Concord, CA 94520	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Oct 9, 1996
Attention: Jarrel Crider	First Sample #:	609-1267	

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
609-1267	MW1	ND	ND	ND	ND	ND
609-1268	MW2B	1,200	95	ND	ND	ND
609-1269	MW3	2,800	340	12	11	110
609-1270	MW4	160	14	ND	ND	1.6
609-1271	MW5	36,000	6,700	410	730	6,500
609-1272	MW6	160	5.4	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, #1894

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 #7376, 4191 1rst St, Pleasanton	Sampled: Sep 18, 1996
2401 Stanwell Dr., Ste. 300	Matrix Descript:	Water	Received: Sep 20, 1996
Concord, CA 94520	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Oct 9, 1996
Attention: Jarrel Crider	First Sample #:	609-1267	

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
609-1267	MW1	--	1.0	09/28/96	HP-2	98
609-1268	MW2B	Gasoline	1.0	09/28/96	HP-2	75
609-1269	MW3	Gasoline	20	09/28/96	HP-2	87
609-1270	MW4	Gasoline	1.0	09/28/96	HP-2	112
609-1271	MW5	Gasoline	500	09/28/96	HP-2	110
609-1272	MW6	Gasoline	1.0	09/28/96	HP-2	114

SEQUOIA ANALYTICAL, #1894

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 #7376, 4191 1rst St, Pleasanton	Sampled: Sep 18, 1996
2401 Stanwell Dr., Ste. 300	Sample Descript:	Water	Received: Sep 20, 1996
Concord, CA 94520	Analysis for:	MTBE (EPA 8020 Mod.)	
Attention: Jarrel Crider	First Sample #:	609-1267	Analyzed: Sep 28, 1996
			Reported: Oct 9, 1996

LABORATORY ANALYSIS FOR: MTBE (EPA 8020 Mod.)

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
609-1267	MW1	250	590
609-1268	MW2B	250	5,200
609-1269	MW3	40	2,500
609-1270	MW4	40	N.D.
609-1271	MW5	250	4,100
609-1272	MW6	40	N.D.

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

SEQUOIA ANALYTICAL, #1894

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 #7376, 4191 1rst St, Pleasanton
Sample Matrix: Water
Analysis Method: EPA 3510/8015 Mod.
First Sample #: 609-1267

Sampled: Sep 18, 1996
Received: Sep 20, 1996
Reported: Oct 9, 1996

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 609-1267 MW1*	Sample I.D. 609-1268 MW2B	Sample I.D. 609-1269 MW3	Sample I.D. 609-1270 MW4	Sample I.D. 609-1271 MW5*	Sample I.D. 609-1272 MW6
Extractable Hydrocarbons	50	130	600	170	200	4,700	N.D.
Chromatogram Pattern:		Unidentified Hydrocarbons >C20	Diesel	Diesel	Diesel	Unidentified Hydrocarbons <C15	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	10	1.0
Date Extracted:	9/27/96	9/27/96	9/27/96	9/27/96	9/27/96	9/27/96
Date Analyzed:	9/27/96	9/27/96	9/27/96	9/27/96	9/30/96	9/27/96
Instrument Identification:	HP-3B	HP-3B	HP-3B	HP-3B	HP-3A	HP-3A

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:
*These samples do not appear to contain diesel. "Unidentified hydrocarbons <C15" are probably gasoline; ">C20" refers to unidentified hydrocarbons in the total oil and grease range.

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 #7376, 4191 1rst St, Pleasanton
Matrix: Liquid
QC Sample Group: 609126-272
Reported: Oct 9, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015
Analyst:	ZT	ZT	ZT	ZT	I. Dalvand
MS/MSD Batch#:	MS092896	MS092896	MS092896	MS092896	BLK092796
Date Prepared:	9/28/96	9/28/96	9/28/96	9/28/96	9/27/96
Date Analyzed:	9/28/96	9/28/96	9/28/96	9/28/96	9/27/96
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	HP-3B
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	300 µg/L
Matrix Spike % Recovery:	120	118	129	91	80
Matrix Spike Duplicate % Recovery:	130	118	137	89	76
Relative % Difference:	8.0	0.0	6.0	2.2	5.6
LCS Batch#:	LCS092896	LCS092896	LCS092896	LCS092896	LCS092796
Date Prepared:	9/28/96	9/28/96	9/28/96	9/28/96	9/27/96
Date Analyzed:	9/28/96	9/28/96	9/28/96	9/28/96	9/27/96
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	HP-3B
LCS % Recovery:	120	118	119	93	79
% Recovery Control Limits:	80-120	80-120	80-120	80-120	50-150

SEQUOIA ANALYTICAL, #1894

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.

9609359

CHAIN OF CUSTODY

SAMPLER: DOUG LEE
WITNESSING AGENCY:

UNOCAL S/S # 7376 CITY: PLEASANTON
ADDRESS: 4191 1ST STREET

ANALYSES REQUESTED

TURN AROUND TIME: REGULAR

SAMPLE ID NO.	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPH-GAS BTEX	TPH-DIESEL	TOG	8010	MTBE				REMARKS
MW1	9/18/96		X	X		2 VOA/1L		X	X			X	6091267	A-C		
MW2	"		"	"		"		"	"			"	6091268			
MW3	"		"	"		"		"	"			"	6091269			
MW4	"		"	"		"		"	"			"	6091270			
MW5	"		"	"		"		"	"			"	6091271			
MW6	"		"	"		"		"	"			"	6091272			E403

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
(SIGNATURE)	09:22 9/20/96	(SIGNATURE)
(SIGNATURE)	9/26/96 15:25	(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? N
4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? Y

SIGNATURE: TITLE: Lab Tech DATE: 9/20/96

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

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

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: UNOCAL #7376/PLEASANTON
4191 1ST STREET

DATE & TIME SAMPLED: 9/18/96 11:35 A.M. / P.M.

FIELD TECHNICIAN: DOUG LEE

PURGE METHOD: BAILER

DATE(S) PURGED: 9/18/96

WELL NUMBER: MW1

WATER LEVEL-INITIAL: 79.90

SAMPLING METHOD: BAILER

WATER LEVEL-FINAL: 81.74

CONTAINERS: 2 VOA / 1L

WELL DEPTH: 96.39

PRESERVATIVES: HCL (VOAS)

WELL CASING VOLUME: 1.10

†CASING DIAMETER: 2"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([µmhos/cm]x100) (± 10% of TOTAL	pH (± 0.2)
11:00	1	80.2	5.54	6.71
	2	79.8	6.02	6.92
	3	79.2	5.78	6.79
11:31	3.5	78.6	5.69	6.66

† 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: UNOCAL #7376/PLEASANTON 4191 1ST STREET

DATE & TIME SAMPLED 9/18/96 17:52 A.M. P.M.

FIELD TECHNICIAN DOUG LEE

PURGE METHOD BAILER

DATE(S) PURGED 9/18/96

WELL NUMBER MW2B

WATER LEVEL-INITIAL 81.08

SAMPLING METHOD BAILER

WATER LEVEL-FINAL 82.43

CONTAINERS 2 VOA/1 L

WELL DEPTH 95.25

PRESERVATIVES HCL(VOAS)

WELL CASING VOLUME .71

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([μmhos/cm]x100) (± 10% of TOTAL	pH (± 0.2)
17:23	0	83.7	8.90	6.61
	.75	80.8	8.22	6.46
	1.5	80.3	8.13	6.43
17:45	2.25	79.9	8.03	6.39

† 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: UNOCAL #7376/PLEASANTON
419 1ST STREET

DATE & TIME SAMPLED 9/18/96 17:10 A.M. P.M.

FIELD TECHNICIAN DOUG LEE

PURGE METHOD BAILER

DATE(S) PURGED 9/18/96

WELL NUMBER MW3

WATER LEVEL-**INITIAL** 82.84

SAMPLING METHOD BAILER

WATER LEVEL-**FINAL** 83.33

CONTAINERS 2 VOA/1 L

WELL DEPTH 94.10

PRESERVATIVES HCL (VOAS)

WELL CASING VOLUME 1.91

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([µmhos/cm]x100) (± 10% of TOTAL	pH (± 0.2)
16:08	0	88.7	7.92	6.99
	1	84.7	7.54	6.66
	2	91.3	7.72	6.67
	4	80.6	7.79	6.65
17:00	6	80.1	7.94	6.71

† 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
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PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: UNOCAL #7376/PLEASANTON 4191 1ST STREET

DATE & TIME SAMPLED: 9/18/96 12:40 A.M. P.M.

FIELD TECHNICIAN: DOUG LEE

PURGE METHOD: BAILER

DATE(S) PURGED: 9/18/96

WELL NUMBER: MW4

WATER LEVEL-**INITIAL**: 73.67

SAMPLING METHOD: BAILER

WATER LEVEL-**FINAL**: 91.05

CONTAINERS: 2 VOA / 1 L

WELL DEPTH: 94.99

PRESERVATIVES: HCL (VOAs)

WELL CASING VOLUME: 3.62

†CASING DIAMETER: 2"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([μmhos/cm]x100) (± 10% of TOTAL	pH (± 0.2)
12:07	0	90.2	5.33	7.03
	2	88.9	5.15	7.35
	4	88.4	4.95	7.36
	6	88.1	4.55	7.41
	8	87.4	4.47	7.46
	10	86.1	4.19	7.42
	12	85.9	4.22	7.40
12:25	13	85.3	4.44	7.34

† 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

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PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: UNOCAL #7376/PLEASANTON
4191 1ST STREET

DATE & TIME SAMPLED 9/18/96 14:25 A.M. P.M.

FIELD TECHNICIAN DOUG LEE

PURGE METHOD BAILER

DATE(S) PURGED 9/18/96

WELL NUMBER MW5

WATER LEVEL-INITIAL 64.20

SAMPLING METHOD BAILER

WATER LEVEL-FINAL 67.46

CONTAINERS 2 VOA / 1L

WELL DEPTH 72.58

PRESERVATIVES HCL (VOAS)

WELL CASING VOLUME 1.42

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([μmhos/cm]x100) (± 10% of TOTAL	pH (± 0.2)
14:10	0	93.9	6.78	6.93
	1	91.0	7.47	6.72
	2	87.4	7.87	6.68
	3	85.5	7.53	6.63
	4	84.4	7.67	6.66
	5	84.1	7.81	6.60
14:10	5.5	83.9	7.90	6.62

† 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

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PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: UNOCAL #7376 / PLEASANTON
4191 1ST STREET

DATE & TIME SAMPLED: 9/18/96 13:56 A.M. / P.M.

FIELD TECHNICIAN: DOUG LEE

PURGE METHOD: BAILER

DATE(S) PURGED: 9/18/96

WELL NUMBER: MW6

WATER LEVEL-INITIAL: 79.07

SAMPLING METHOD: BAILER

WATER LEVEL-FINAL: 79.15

CONTAINERS: 2 VOA / 1 L

WELL DEPTH: 99.09

PRESERVATIVES: HCL (VOAS)

WELL CASING VOLUME: 1.53

†CASING DIAMETER: 2"

TIME	GALLONS PURGED	TEMPERATURE (°F) (± 1°F)	ELECTRICAL CONDUCTIVITY ([µmhos/cm]x100) (± 10% of TOTAL	pH (± 0.2)
13:27	0	98.4	4.65	7.53
	1	93.9	4.77	7.41
	2	90.2	6.64	7.03
	3	87.2	6.78	6.89
	4	85.2	6.71	6.86
	5	84.2	6.65	6.85
13:37	6	84.1	6.71	6.85

† 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