MONITORING
PURGING
DISPOSING
SAMPLING

MPDS SERVICES, INCORPORATED

MPDS-UN5366-05
March 15, 1995

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

Attention: Mr. Edward C. Ralston

RE: Quarterly Data Report
Unocal Service Station #5366
7375 Amador Valley Boulevard
Dublin, California

Dear Mr. Ralston:

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 Unocal monitoring wells that were monitored and sampled during this quarter are indicated in Table 1. Prior to sampling, the Unocal wells were checked for depth to water and the presence of free product or sheen. The monitoring data and the ground water elevations for the Unocal wells are summarized in Table 1. The ground water flow direction at the Unocal site during the most recent quarter is shown on the attached Figure 1.

A joint monitoring and sampling event was conducted with the consultant for the nearby former Shell service station site on February 15, 1995. The monitoring data collected for the former Shell service station is summarized in Table 4. Monitoring data from the BP and Arco service station wells were unavailable. The ground water flow direction in the vicinity of these sites during the most recent quarter is also shown on the attached Figure 1.

Ground water samples were collected from the Unocal wells on February 15, 1995. Prior to sampling, the Unocal wells were each purged of between 8 and 8.5 gallons of water. 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 collected from the Unocal wells 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 from the Unocal wells to date are summarized in Tables 2 and 3. The concentrations of Total Petroleum Hydrocarbons (TPH) as gasoline, TPH as diesel, and benzene detected in the ground water samples collected from the Unocal wells this quarter are shown on the attached Figure 2. Copies of the laboratory analytical results and the Chain of Custody documentation for the Unocal wells 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 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.

Sarkis Karkarian
Staff Engineer

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

License No. EG 1633
Exp. Date 8/31/96

/bp

Attachments: Tables 1 through 4
Location Map
Figures 1 & 2
Laboratory Analyses
Chain of Custody documentation

cc: Mr. Thomas Berkins, Kaprealian Engineering, Inc.

TABLE 1

SUMMARY OF MONITORING DATA
UNOCAL MONITORING WELLS

Well #	Ground Water Elevation (feet)	Depth to Water (feet)♦	Total Well Depth (feet)♦	Product Thickness (feet)	Sheen	Water Purged (gallons)
(Monitored and Sampled February 15, 1995)						
MW1	328.27	7.80	19.52	0	No	8
MW2	329.20	7.58	19.30	0	No	8
MW3	329.36	7.62	18.98	0	No	8
MW4	328.31	8.12	19.44	0	No	8
MW5	328.20	7.76	20.02	0	No	8.5
(Monitored and Sampled November 18, 1994)						
MW1	326.38	9.69	19.49	0	No	7
MW2*	326.83	9.95	19.26	0	--	0
MW3*	326.83	10.15	18.91	0	--	0
MW4*	326.33	10.10	19.44	0	--	0
MW5	325.87	10.09	19.99	0	No	7
(Monitored and Sampled August 25, 1994)						
MW1	325.49	10.58	19.49	0	No	6.5
MW2*	326.03	10.75	19.27	0	--	0
MW3*	326.05	10.93	18.94	0	--	0
MW4*	325.49	10.94	19.43	0	--	0
MW5	325.53	10.43	20.00	0	No	7
(Monitored and Sampled on May 17, 1994)						
MW1	326.81	9.26	19.50	0	No	8
MW2*	327.47	9.31	19.26	0	--	0
MW3*	327.49	9.49	18.94	0	--	0
MW4*	326.80	9.63	19.44	0	--	0
MW5	326.72	9.24	20.00	0	No	8

TABLE 1 (Continued)

SUMMARY OF MONITORING DATA
UNOCAL MONITORING WELLS

Well #	Well Casing Elevation (feet)**
MW1	336.07
MW2	336.78
MW3	336.98
MW4	336.43
MW5	335.96

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

* Monitored only.

** The elevations of the top of the well casings have been surveyed relative to Mean Sea Level (MSL), per the County of Alameda Benchmark, standard brass disk in the westerly center island of Amador Valley Boulevard at Village Parkway, 15 feet from the nose and 0.8 feet from the northerly curb, stamped "VL PK AM VY, 1977" (elevation = 337.40 feet MSL).

-- Sheen determination was not performed.

TABLE 2

SUMMARY OF LABORATORY ANALYSES
UNOCAL MONITORING WELLS
WATER

Date	Well #	TPH as Gasoline (DHS)	Benzene	Toluene	Ethyl-benzene	Xylenes
2/15/95	MW1	2,400	61	ND	87	34
	MW2	ND	ND	ND	ND	ND
	MW3	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND
	MW5	16,000 (2,000)	2,700	ND	1,700	50
11/18/94	MW1	820	21	ND	19	6.6
	MW2	SAMPLED ANNUALLY				
	MW3	SAMPLED ANNUALLY				
	MW4	SAMPLED ANNUALLY				
	MW5	18,000	2,400	52	1,600	51
8/25/94	MW1	650	10	1.6	7.7	2.1
	MW5	9,400	3,800	ND	2,200	150
5/17/94	MW1	1,000	41	ND	49	32
	MW2	SAMPLED ANNUALLY				
	MW3	SAMPLED ANNUALLY				
	MW4	SAMPLED ANNUALLY				
	MW5	20,000	4,300	ND	2,300	130
2/11/94	MW1	970	40	3.2	2.8	15
	MW2	ND	ND	ND	ND	ND
	MW3	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND
	MW5	18,000	2,400	140	920	3,100
11/11/93	MW1	350	19	2.5	2.7	3.4
8/12/93	MW1	1,000	46	ND	29	6.3
5/10/93	MW1	1,600	39	0.40	25	3.3

TABLE 2 (Continued)

SUMMARY OF LABORATORY ANALYSES
UNOCAL MONITORING WELLS
WATER

Date	Well #	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
2/10/93	MW1	3,000	230	ND	340	200
	MW2	ND	ND	ND	ND	ND
	MW3	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND
11/10/92	MW1	1,100	49	ND	71	21
8/12/92	MW1	1,700	51	ND	93	21
5/22/92	MW1	2,500	120	ND	230	37
	MW2	ND	ND	ND	ND	ND
2/25/92	MW1	3,900	500	ND	450	400
11/13/91	MW1	860	40	ND	11	2.5
8/12/91	MW1	1,100	68	2.6	210	9.3
5/15/91	MW1	2,100	220	ND	360	27
2/14/91	MW1	1,900	150	2.9	340	43
11/14/90	MW1	2,000	110	0.52	410	16
8/15/90	MW1	2,200	160	ND	570	45
5/18/90	MW1	2,000	140	1.8	460	19
	MW2	ND	ND	ND	ND	ND
	MW3	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND
2/06/90	MW1	2,700	170	ND	350	29
	MW2	ND	ND	ND	ND	ND
	MW3	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND

TABLE 2 (Continued)

SUMMARY OF LABORATORY ANALYSES
UNOCAL MONITORING WELLS
WATER

Date	Well #	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
10/20/89	MW1	ND	ND	ND	ND	ND
	MW2	ND	ND	ND	ND	ND
	MW3	ND	ND	ND	0.38	ND
	MW4	ND	ND	ND	ND	ND
7/27/89	MW1	1,900	130	6.3	ND	68
	MW2	ND	ND	ND	ND	ND
	MW3	ND	ND	ND	ND	ND
	MW4	ND	0.34	ND	ND	ND
5/22/89	MW3	ND	ND	ND	ND	ND
4/28/89	MW1	1,000	97	0.8	170	24
	MW2	ND	ND	ND	ND	ND
	MW3	880	9.6	9.7	19	12.7
	MW4	ND	0.3	ND	ND	ND
1/26/89	MW1	1,900	240	1.8	81	30
	MW2	ND	ND	ND	ND	ND
	MW3	ND	ND	ND	ND	ND
	MW4	ND	0.67	ND	ND	ND
10/28/88	MW1	5,200	150	ND	250	12
	MW2	ND	ND	ND	ND	ND
	MW3	--	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND
7/25/88	MW1	6,100	170	2.1	94	94
	MW2	ND	ND	ND	ND	ND
	MW3	--	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND
4/29/88	MW1	10,000	960	17	870	1,500
	MW2	170	2.7	0.6	ND	13
	MW3	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND

TABLE 2 (Continued)

SUMMARY OF LABORATORY ANALYSES
UNOCAL MONITORING WELLS
WATER

ND = Non-detectable.

-- Indicates that analysis was not performed.

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

Note: Laboratory analyses data prior to February 11, 1994, were provided by Kaprealian Engineering, Inc.

TABLE 3

SUMMARY OF LABORATORY ANALYSES
UNOCAL MONITORING WELLS
WATER

Date	Well #	TPH as Diesel	Total Oil & Grease (mg/L)	EPA 8010 Constituents
2/15/95	MW3	ND	ND	--
	MW5	2,000*	--	--
11/18/94	MW5	2,000**	--	--
8/25/94	MW5	2,000**	--	--
5/17/94	MW5	2,500*	--	--
2/11/94	MW3	ND	ND	--
	MW5	2,300*	--	--
5/10/93	MW1	730*	--	--
2/10/93	MW3	200	ND	--
5/18/90	MW3	ND	ND	ND
2/06/90	MW3	ND	ND	ND
10/20/89	MW3	ND	2.5	ND
7/27/89	MW3	ND	1.6	ND
5/22/89	MW3	--	--	--
4/28/89	MW3	72	ND	ND
1/26/89	MW3	ND	--	ND
10/28/88	MW3	ND	--	ND
7/25/88	MW3	ND	--	ND
4/29/88	MW3	ND	--	ND

TABLE 3 (Continued)

SUMMARY OF LABORATORY ANALYSES
UNOCAL MONITORING WELLS
WATER

* 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.

ND = Non-detectable.

-- Indicates analysis was not performed.

mg/L = milligrams per liter.

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

Note: Laboratory analyses data prior to February 11, 1994, were provided by Kaprealian Engineering, Inc.

TABLE 4

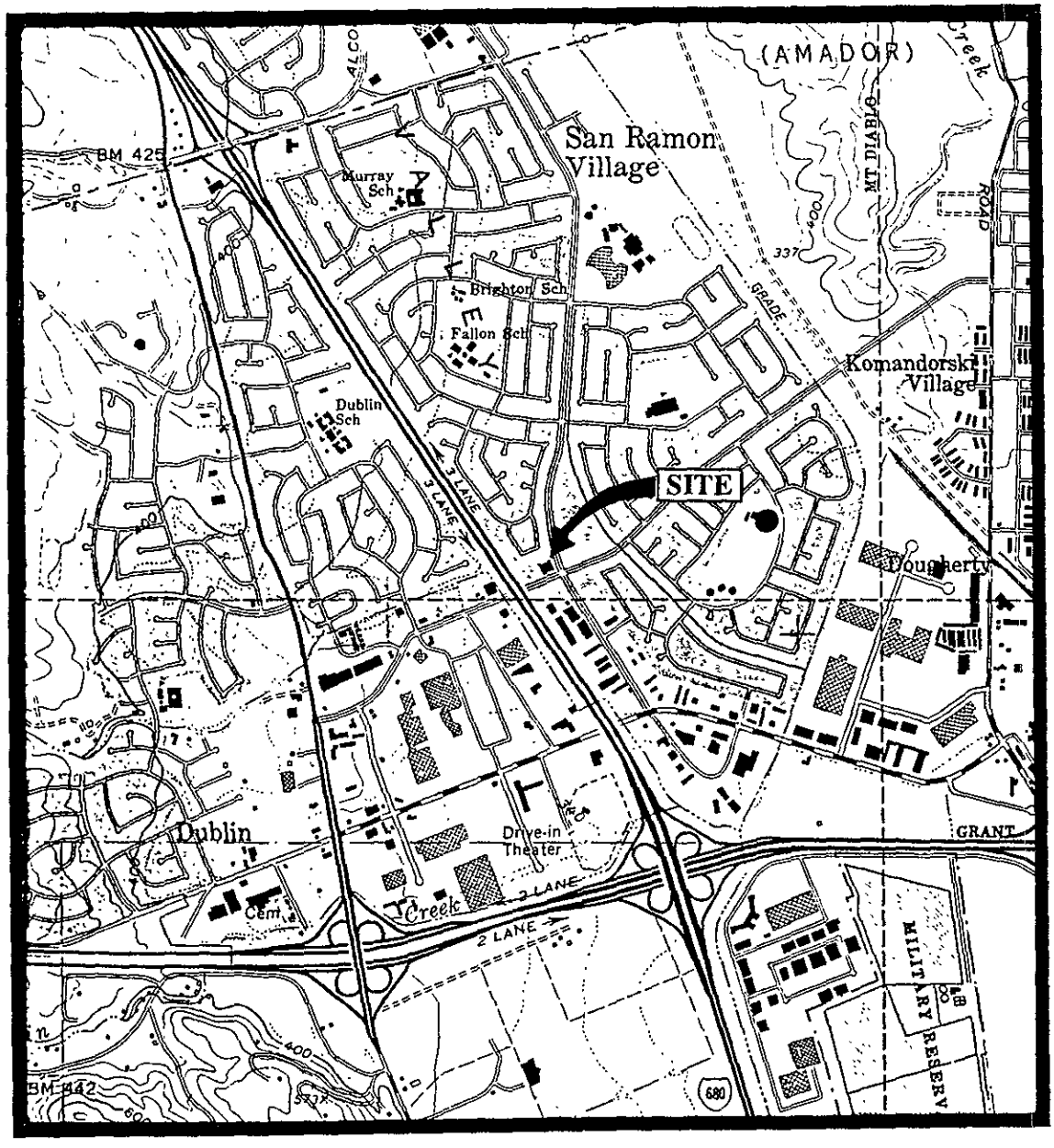
SUMMARY OF MONITORING DATA
Shell Service Station Wells
(Provided by Pacific Environmental Group, Inc.)

Well #	Ground Water Elevation (feet)	Depth to Water (feet)	Well Casing Elevation (feet)*
	(Monitored on February 15, 1995)		
MW1	327.99	6.84	334.83
MW2	328.06	8.90	336.96
MW3	328.58	8.35	336.93
MW4	327.65	9.49	337.14
MW5	328.08	6.88	334.96
MW6	328.06	7.36	335.42
MW7	327.83	5.40	333.23
MW8	269.10	66.7	335.80
MW9	327.21	7.36	334.57
MW11	327.74	6.46	334.20
MW12	327.37	5.16	332.53
MW13	327.22	8.42	335.64
RW1	N/A	8.20	NA

* Relative MSL.

N/A = Not applicable.

NA = Not available.

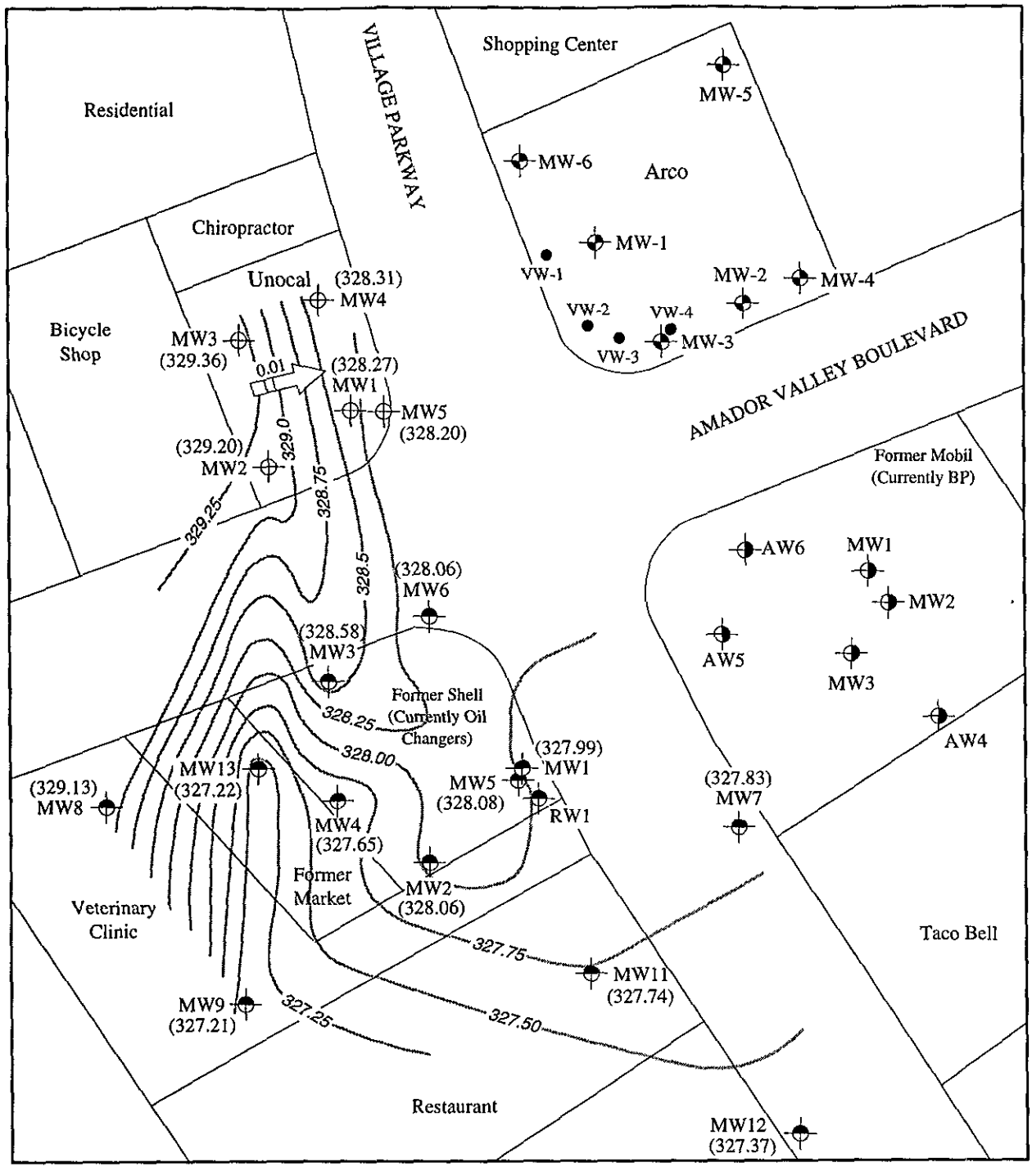


Base modified from 7.5 minute U.S.G.S. Dublin Quadrangle
(photorevised 1980)

0 2000 4000

Approx. scale feet

mpds SERVICES, INCORPORATED	**UNOCAL SERVICE STATION #5366** **7375 AMADOR VALLEY BLVD.** **DUBLIN, CALIFORNIA**	**LOCATION MAP**



LEGEND

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

0 100 200

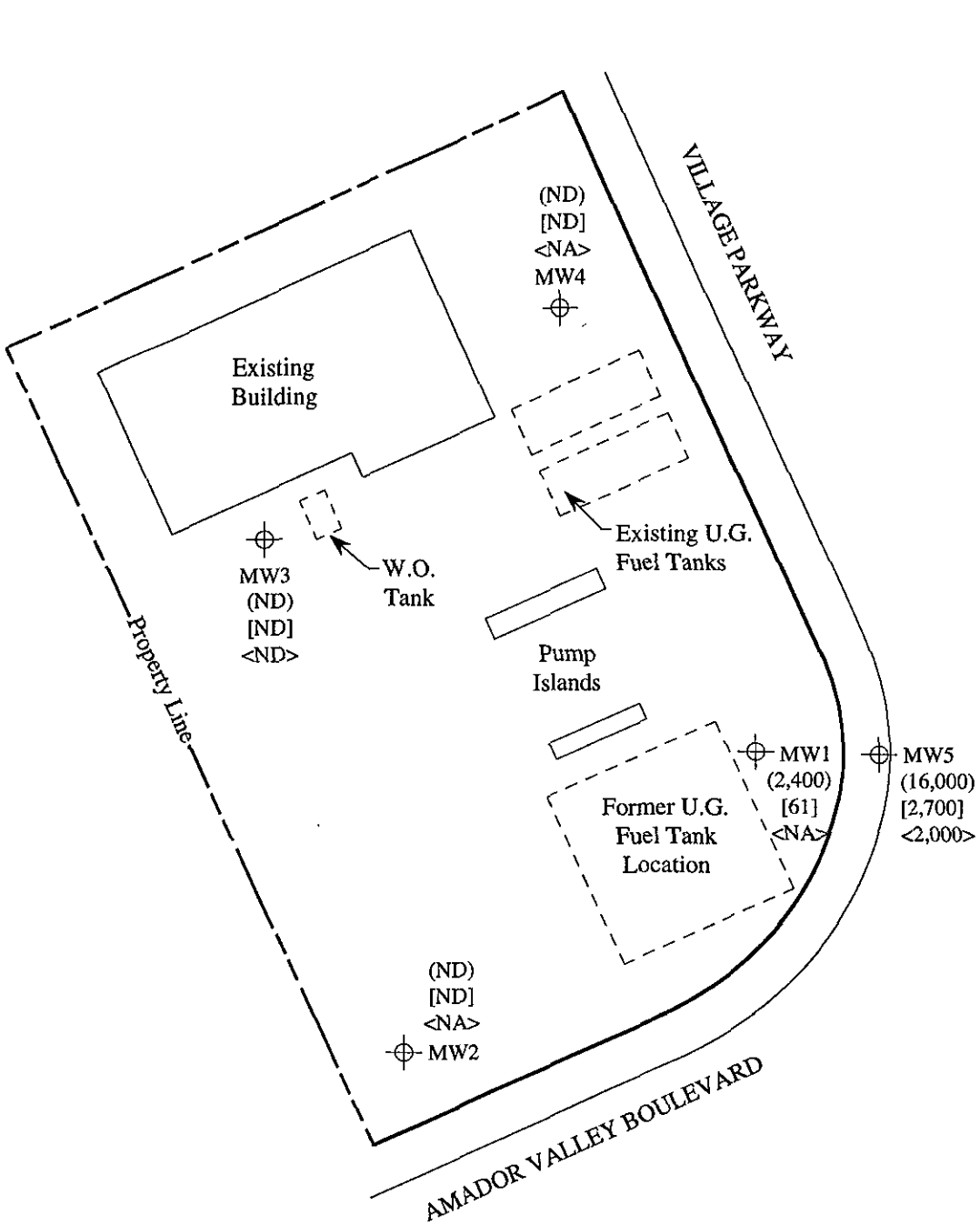
Approx. scale feet

POTENTIOMETRIC SURFACE MAP FOR THE FEBRUARY 15, 1995 JOINT MONITORING EVENT

mpds SERVICES, INCORPORATED

UNOCAL SERVICE STATION #5366
7375 AMADOR VALLEY BLVD.
DUBLIN, CALIFORNIA

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, NA = Not analyzed

0 30 60

Approx. scale feet

PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON FEBRUARY 15, 1995

mpds SERVICES, INCORPORATED

UNOCAL SERVICE STATION #5366
7375 AMADOR VALLEY BLVD.
DUBLIN, CALIFORNIA

FIGURE
2

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

MPDS Services	Client Project ID:	Unocal #5366, 7375 Amador Valley Rd., Dublin	Sampled: Feb 15, 1995
2401 Stanwell Dr., Ste. 300	Matrix Descript:	Water	Received: Feb 15, 1995
Concord, CA 94520	Analysis Method:	EPA 5030/8015/8020	Reported: Mar 3, 1995
Attention: Sarkis Karkarian	First Sample #:	502-0987	

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
502-0987	MW 1	2,400	61	ND	87	34
502-0988	MW 2	ND	ND	ND	ND	ND
502-0989	MW 3	ND	ND	ND	ND	ND
502-0990	MW 4	ND	ND	ND	ND	ND
502-0991	MW 5	16,000	2,700	ND	1,700	50
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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
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: Sarkis Karkarian

Client Project ID: Unocal #5366, 7375 Amador Valley Rd., Dublin
Matrix Descript: Water
Analysis Method: EPA 5030/8015/8020
First Sample #: 502-0987

Sampled: Feb 15, 1995
Received: Feb 15, 1995
Reported: Mar 3, 1995

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
502-0987	MW 1	Gasoline	20	2/27/95	HP-4	76
502-0988	MW 2	--	1.0	2/27/95	HP-2	103
502-0989	MW 3	--	1.0	2/27/95	HP-2	98
502-0990	MW 4	--	1.0	2/27/95	HP-2	99
502-0991	MW 5	Gasoline	100	2/27/95	HP-2	99

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
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
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: Sarkis Karkarian

Client Project ID: Unocal #5366, 7375 Amador Valley Rd., Dublin
Sample Matrix: Water
Analysis Method: EPA 3510/3520/8015
First Sample #: 502-0989

Sampled: Feb 15, 1995
Received: Feb 15, 1995
Reported: Mar 3, 1995

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 502-0989 MW 3	Sample I.D. 502-0991 MW 5*
Extractable Hydrocarbons	50	N.D.	2,000
Chromatogram Pattern:		--	Diesel and Unidentified Hydrocarbons <C14

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0
Date Extracted:	2/21/95	2/21/95
Date Analyzed:	2/27/95	2/27/95
Instrument Identification:	HP-3B	HP-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 <C14" are probably gasoline.

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	Client Project ID:	Unocal #5366, 7375 Amador Valley Rd., Dublin	Sampled: Feb 15, 1995
2401 Stanwell Dr., Ste. 300	Matrix Descript:	Water	Received: Feb 15, 1995
Concord, CA 94520	Analysis Method:	SM 5520 B&F (Gravimetric)	Extracted: Mar 1, 1995
Attention: Sarkis Karkarian	First Sample #:	502-0989	Analyzed: Mar 1, 1995
			Reported: Mar 3, 1995

TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/L (ppm)	Detection Limit Multiplication Factor
502-0989	MW 3	N.D.	1.0

Detection Limits:	**5.0**

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

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MPDS Services
2401 Stanwell Dr., Ste. 300
Concord, CA 94520
Attention: Sarkis Karkarian

Client Project ID: Unocal #5366, 7375 Amador Valley Rd.,Dublin
Matrix: Liquid

QC Sample Group: 5020987-991

Reported: Mar 14, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	A. Tuzon	A. Tuzon	A. Tuzon	A. Tuzon
MS/MSD Batch#:	5021234	5021234	5021234	5021234
Date Prepared:	2/27/95	2/27/95	2/27/95	2/27/95
Date Analyzed:	2/27/95	2/27/95	2/27/95	2/27/95
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:	89	95	95	96
Matrix Spike Duplicate % Recovery:	95	100	100	101
Relative % Difference:	6.5	5.1	5.1	5.1
LCS Batch#:	2LCS022795	2LCS022795	2LCS022795	2LCS022795
Date Prepared:	2/27/95	2/27/95	2/27/95	2/27/95
Date Analyzed:	2/27/95	2/27/95	2/27/95	2/27/95
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
LCS % Recovery:	84	92	92	92
% Recovery Control Limits:	71-133	72-128	72-130	71-120

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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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: Sarkis Karkarian

Client Project ID: Unocal #5366, 7375 Amador Valley Rd.,Dublin
Matrix: *Liquid*

QC Sample Group: 5020987-991

Reported: Mar 14, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel	Oil & Grease
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015 Mod	SM 5520 B&F
Analyst:	A. Tuzon	A. Tuzon	A. Tuzon	A. Tuzon	K.Wimer	D. Newcomb
MS/MSD Batch#:	5020993	5020993	5020993	5020993	BLK022195	BLK030195
Date Prepared:	2/27/95	2/27/95	2/27/95	2/27/95	2/21/95	3/1/95
Date Analyzed:	2/27/95	2/27/95	2/27/95	2/27/95	2/27/95	3/1/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	HP-3B	--
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L	5000 mg/L
Matrix Spike % Recovery:	100	95	100	100	72	88
Matrix Spike Duplicate % Recovery:	100	100	105	100	96	83
Relative % Difference:	0.0	0.0	4.9	0.0	29	5.8
LCS Batch#:	1LCS022795	1LCS022795	1LCS022795	1LCS022795	BLK022195	BLK030195
Date Prepared:	2/27/95	2/27/95	2/27/95	2/27/95	2/21/95	3/1/95
Date Analyzed:	2/27/95	2/27/95	2/27/95	2/27/95	2/27/95	3/1/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	HP-3B	--
LCS % Recovery:	108	105	110	107	72	88
% Recovery Control Limits:	71-133	72-128	72-130	71-120	28-122	75-125

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.

MPDS SERVICES, INCORPORATED
2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: (510) 602-5100, Fax: (510) 689-1918

CHAIN OF CUSTODY

SAMPLER: RAY MARANGOSIAN

WITNESSING AGENCY:

UNOCAL S/S # 5366 CITY: DUBLIN

ADDRESS: 7375 AMADOR VALLEY BLVD

TURN AROUND TIME: 2 DAY

ANALYSES REQUESTED: TPH-GAS BTEX; TPH-DIESEL; TOG; 8010

SAMPLE ID NO.	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPH-GAS BTEX	TPH-DIESEL	TOG	8010	REMARKS
MW1	2.15.95	11:00	X	X		2	well	X				5020987 AB
MW2	"	10:30	X	X		2	"	X				5020988 ↓
MW3	"	9:20	X	X		4	"	X	X	X		5020989 AD
MW4	"	9:50	X	X		2	"	X				5020990 AB
MW5	"	11:00	X	X		3	"	X	X			5020991 AC

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME
Ray Marangosian	2-15-95 17:40	Chad Allen	2-15-95 1740
(SIGNATURE)	2-16-95 1100	(SIGNATURE)	2-16 1100
(SIGNATURE)	2-16 pm 12:45	(SIGNATURE) R.S. Kelley	2/16/95 12:45 pm
(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? Yes
2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? Yes
3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? No
4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? Yes

SIGNATURE: Chad Allen TITLE: Analyst DATE: 2/15/95

Note: All water containers to be sampled for TPHG/BTEX, 8010 & 8240 are preserved with HCL. All water containers to be sampled for Lead or Metals are preserved with HNO3. All other containers are unpreserved.