Chevron

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd., Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

Site Assessment & Remediation Group
Phone (510) 842-9500

May 10, 1995

Ms. Juliet Shin
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: **Chevron Service Station #9-0290**
1802 Webster Street, Alameda, CA

Dear Ms. Shin:

Enclosed is the First Quarter 1995 Groundwater Monitoring report dated March 22, 1995, prepared by our consultant Blaine Tech Services, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), total petroleum hydrocarbons as diesel (TPH-D), and BTEX. Dissolved concentrations of these constituents detected during this sampling event are similar to historical observations at the site. Depth to ground water was measured at approximately 3.7 to 5.4 feet below grade and the direction of flow is to the northwest.

Separate phase hydrocarbons are being removed on a quarterly basis from monitor well A-1. We are currently developing action items based on discussions held in our meeting of January 26, 1995. If you have any questions or comments, feel free to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. S.A. Willer

Ms. Louise Van De Deere
Housing Authority of the City of Alameda
701 Atlantic Avenue
Alameda, CA 94501

File: 90290Q6

03

Sandra Lifebuoy

① Consider ORC in well A-1
measure DO in A-1 and B-1
before start - Measure on
1/4 Qtly basis thereafter -

② If no remediation, then do
risk assessment for intrusion and
inhalation

③ Data seem to show that A-1 had
free product in Feb 1995 when
was it GW sampled? Notice
were PP in wells, to field notes

BLAINE
TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

March 22, 1995

Mark Miller
Chevron U.S.A. Products Company
P.O. Box 5004
San Ramon, CA 94583-0804

1st Quarter 1995 Monitoring at 9-0290

First Quarter 1995 Groundwater Monitoring at
Chevron Service Station Number 9-0290
1802 Webster Street
Alameda, CA

Monitoring Performed on February 15, 1995

Groundwater Sampling Report **950215-D-2**

This report covers the routine quarterly monitoring of groundwater wells at this Chevron facility. Blaine Tech Services, Inc.'s work at the site includes inspection, gauging, evacuation, purgewater containment, sample collection and sample handling in accordance with standard procedures that conform to Regional Water Quality Control Board requirements.

Routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated volume of a three-case volume purge, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater is, likewise, collected and transported to Chevron's Richmond Refinery for disposal.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS.** The full analytical report for the most recent samples is located in the **Analytical Appendix.** The table also contains new groundwater elevation calculations taken from the computer plotted gradient map which is located in the **Professional Engineering Appendix.**

At a minimum, Blaine Tech Services, Inc. field personnel are certified upon completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

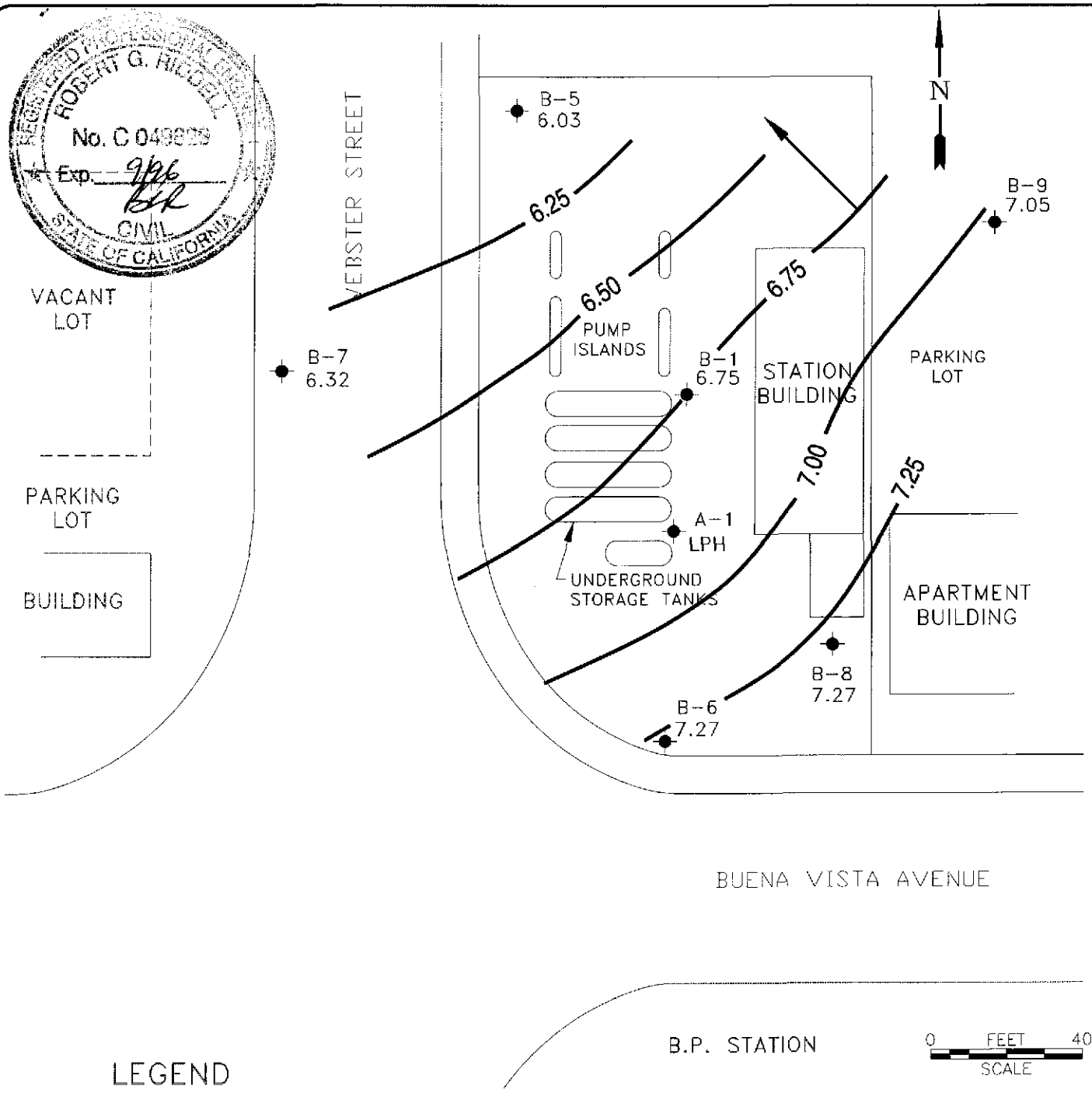
Yours truly,

James Keller
for the Board of Directors

JPK/dk

attachments: Professional Engineering Appendix
Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Field Data Sheets

Professional Engineering Appendix



LEGEND

——— - - -	PROPERTY LINE
✦	MONITORING WELL
LPH	LIQUID-PHASE HYDROCARBONS; NOT GAUGED
8.75	POTENTIOMETRIC SURFACE ELEVATION (FT)
⌒	POTENTIOMETRIC SURFACE CONTOUR
←	GROUNDWATER FLOW DIRECTION

NOTE:
1. CONTOURS REPRESENT APPROXIMATE ELEVATIONS ABOVE MEAN SEA LEVEL.

Base map from Groundwater Technology, Inc.

CAMBRIA
Environmental Technology, Inc.

Chevron Station 9-0290
1802 Webster Street
Alameda, California

\CHEVRON\9-0290\0290-QM.DWG

Ground Water Elevation
February 15, 1995

FIGURE
1

Table of
Well Data and
Analytical Results

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel
A-1														
09/20/91	8.13	0.48	9.23	1.58	--	--	--	--	--	--	--	--	--	--
10/09/91	8.13	1.46	6.67	0.00	--	--	--	--	--	--	--	--	--	--
10/17/91	8.13	1.43	7.28	0.58	--	--	--	--	--	--	--	--	--	--
10/23/91	8.13	1.36	7.42	0.65	--	--	--	--	--	--	--	--	--	--
11/01/91	8.13	1.49	7.14	0.50	--	--	--	--	--	--	--	--	--	--
11/07/91	8.13	1.50	7.14	0.51	--	--	--	--	--	--	--	--	--	--
11/15/91	8.13	1.47	7.19	0.53	--	--	--	--	--	--	--	--	--	--
11/21/91	8.13	1.28	7.28	0.54	--	--	--	--	--	--	--	--	--	--
12/12/91	8.13	1.29	7.33	0.49	--	--	--	--	--	--	--	--	--	--
12/30/91	8.13	1.73	6.76	0.36	--	--	--	--	--	--	--	--	--	--
01/13/92	8.13	2.21	6.29	0.37	--	--	--	--	--	--	--	--	--	--
01/22/92	8.13	2.15	6.43	0.45	--	--	--	--	--	--	--	--	--	--
02/12/92	8.13	2.21	6.30	0.38	--	--	--	--	--	--	--	--	--	--
03/09/92	8.13	3.14	5.30	0.31	--	--	--	--	--	--	--	--	--	--
04/10/92	8.13	2.83	5.37	0.07	--	--	--	--	--	--	--	--	--	--
05/18/92	8.13	2.39	6.14	0.40	--	--	--	--	--	--	--	--	--	--
01/06/93	8.13	--	--	--	--	--	--	--	--	--	--	--	--	--
02/03/93	8.13	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/93	11.56	6.19	5.85	0.60	--	--	--	--	--	--	--	--	--	--
06/11/93	11.56	--	--	--	2.00	2.00	--	--	--	--	--	--	--	--
06/15/93	11.56	--	--	--	0.13	2.13	--	--	--	--	--	--	--	--
06/18/93	11.56	--	--	--	0.13	2.26	--	--	--	--	--	--	--	--
06/22/93	11.56	--	--	--	0.50	2.76	--	--	--	--	--	--	--	--
06/29/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
07/09/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
07/15/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
07/19/93	11.56	5.54	6.23	0.26	2.00	4.76	--	--	--	--	--	--	--	--
07/20/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
07/27/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
08/06/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
08/10/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
08/16/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--

Continued on next page

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel
A-1 (CONT'D)														
09/16/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
09/24/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
10/01/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
10/07/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
10/13/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
10/19/93	11.56	--	--	0.10	--	4.76	--	--	--	--	--	--	--	--
10/20/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
10/28/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
11/12/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
11/19/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
11/30/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
12/10/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
12/16/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
12/23/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
12/29/93	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
01/03/94	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
01/17/94	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
01/26/94	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
02/07/94	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
02/11/94	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
02/18/94	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
02/25/94	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
03/04/94	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
03/11/94	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
03/16/94	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
03/25/94	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
04/01/94	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
08/18/94	11.56	--	--	--	--	4.76	--	--	--	--	--	--	--	--
11/30/94	11.56	--	--	--	2.00	6.76	--	--	--	--	--	--	--	--
02/15/95	11.56	--	4.79	--	--	6.76	--	--	--	--	--	--	--	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel
A-2														
09/20/91	8.00	0.27	7.73	0.00	--	--	--	8100	860	14	110	53	--	5100
10/09/91	8.00	1.39	6.61	0.00	--	--	--	--	--	--	--	--	--	--
10/17/91	8.00	1.34	6.66	0.00	--	--	--	--	--	--	--	--	--	--
10/23/91	8.00	1.29	6.80	0.09	--	--	--	--	--	--	--	--	--	--
11/01/91	8.00	1.45	6.63	0.15	--	--	--	--	--	--	--	--	--	--
11/07/91	8.00	1.45	6.64	0.21	--	--	--	--	--	--	--	--	--	--
11/15/91	8.00	1.38	6.81	0.19	--	--	--	--	--	--	--	--	--	--
11/21/91	8.00	1.31	6.93	0.24	--	--	--	--	--	--	--	--	--	--
12/12/91	8.00	1.24	6.97	0.15	--	--	--	--	--	--	--	--	--	--
12/30/91	8.00	1.70	6.54	0.24	--	--	--	--	--	--	--	--	--	--
01/13/92	8.00	2.16	5.92	0.08	--	--	--	--	--	--	--	--	--	--
01/22/92	8.00	2.00	6.01	0.10	--	--	--	--	--	--	--	--	--	--
02/12/92	8.00	2.20	6.06	0.26	--	--	--	--	--	--	--	--	--	--
03/09/92	8.00	3.11	4.93	0.04	--	--	--	--	--	--	--	--	--	--
04/10/92	8.00	2.80	5.20	<0.01	--	--	--	--	--	--	--	--	--	--
05/18/92	8.00	2.36	5.66	0.02	--	--	--	--	--	--	--	--	--	--
01/06/93	8.00	--	--	--	--	--	--	--	--	--	--	--	--	--
02/03/93	8.00	3.20	4.98	0.22	--	--	--	--	--	--	--	--	--	--
04/23/93	11.46	6.24	5.36	0.18	--	--	--	--	--	--	--	--	--	--
06/11/93	11.46	--	--		0.13	1.00	--	--	--	--	--	--	--	--
06/15/93	11.46	--	--		0.13	1.13	--	--	--	--	--	--	--	--
06/18/93	11.46	--	--		0.26	1.39	--	--	--	--	--	--	--	--
06/22/93	11.46	--	--		0.50	1.89	--	--	--	--	--	--	--	--
06/29/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
07/09/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
07/15/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
07/19/93	11.46	5.53	6.79	1.07	--	1.89	--	--	--	--	--	--	--	--
07/20/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
07/27/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
08/06/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
08/10/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
08/16/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--

Continued on next page

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel
A-2 (CONT'D)														
09/16/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
09/24/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
10/01/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
10/07/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
10/13/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
10/19/93	11.46	6.23	6.36	1.41	--	1.89	--	--	--	--	--	--	--	--
10/20/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
10/28/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
11/12/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
11/19/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
11/30/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
12/10/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
12/16/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
12/23/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
12/29/93	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
01/03/94	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
01/17/94	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
01/26/94	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
02/07/94	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
02/11/94	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
02/18/94	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
02/25/94	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
03/04/94	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
03/11/94	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
03/16/94	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
03/25/94	11.46	--	--		--	1.89	--	--	--	--	--	--	--	--
04/01/94	11.46	--	--		--	1.89	Destroyed	--	--	--	--	--	--	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel
B-1														
04/23/93	12.12	6.19	5.93	0.00	--	--	--	13,000	4900	22	250	47	--	8300
07/19/93	12.12	5.46	6.66	0.00	--	--	--	3300	1200	16	24	<30	--	1600
10/19/93	12.12	5.04	7.08	0.00	--	--	--	2300	730	18	14	31	--	550
01/17/94	12.12	5.39	6.73	0.00	--	--	--	22,000	6500	170	210	430	--	<50
08/18/94	12.12	5.27	6.85	0.00	--	--	Inaccessible	--	--	--	--	--	--	--
11/30/94	12.12	6.11	6.01	0.00	--	--	--	1500	250	17	7.5	19	<5.0*	3200**
02/15/95	12.12	6.75	5.37	0.00	--	--	--	1000	160	<2.0	4.6	2.6	--	1300**
B-3														
09/20/91	8.01	1.08	6.94	0.01	--	--	--	--	--	--	--	--	--	--
10/09/91	8.01	1.66	6.35	0.00	--	--	--	--	--	--	--	--	--	--
10/17/91	8.01	1.57	6.44	0.00	--	--	--	--	--	--	--	--	--	--
10/23/91	8.01	1.53	6.84	0.00	--	--	--	--	--	--	--	--	--	--
11/01/91	8.01	1.70	6.31	0.00	--	--	--	--	--	--	--	--	--	--
11/07/91	8.01	1.69	6.32	0.00	--	--	--	--	--	--	--	--	--	--
11/15/91	8.01	1.62	6.39	0.00	--	--	--	--	--	--	--	--	--	--
11/21/91	8.01	1.57	6.44	0.00	--	--	--	--	--	--	--	--	--	--
12/12/91	8.01	1.19	6.82	<0.01	--	--	--	--	--	--	--	--	--	--
12/30/91	8.01	1.64	6.37	0.00	--	--	--	--	--	--	--	--	--	--
01/13/92	8.01	2.07	5.94	0.00	--	--	--	--	--	--	--	--	--	--
01/22/92	8.01	2.02	5.99	0.00	--	--	--	--	--	--	--	--	--	--
02/12/92	8.01	2.19	5.82	<0.01	--	--	--	--	--	--	--	--	--	--
03/09/92	8.01	2.91	5.10	0.00	--	--	--	--	--	--	--	--	--	--
04/10/92	8.01	2.65	5.36	0.00	--	--	--	--	--	--	--	--	--	--
05/18/92	8.01	2.29	5.72	0.00	--	--	--	6200	550	58	13	51	<5000	250
01/06/93	8.01	2.51	5.50	--	--	--	Sheen	5400	490	54	51	82	--	10,000
02/03/93	8.01	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/93	11.42	6.10	5.32	0.00	--	--	--	18,000	540	69	47	120	--	6400
07/29/93	11.42	5.48	5.94	0.00	--	--	--	40,000	780	69	49	150	--	4000
10/19/93	11.42	5.10	6.32	0.00	--	--	--	20,000	520	37	43	100	--	1500
01/17/94	11.42	4.47	6.95	0.00	--	--	Destroyed	3900	430	32	29	82	--	<50

* Analytical values are in parts per million (ppm).
** Chromagram pattern indicates a non-diesel mix.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel
B-4														
09/20/91	8.04	1.22	6.82	0.01	--	--	--	19,000	710	160	650	2000	--	1400
10/09/91	8.04	1.41	6.63	0.00	--	--	--	--	--	--	--	--	--	--
10/17/91	8.04	1.20	6.84	0.00	--	--	--	--	--	--	--	--	--	--
10/23/91	8.04	1.17	6.87	0.00	--	--	--	--	--	--	--	--	--	--
11/01/91	8.04	1.34	6.70	0.00	--	--	--	--	--	--	--	--	--	--
11/07/91	8.04	1.31	6.73	0.00	--	--	--	--	--	--	--	--	--	--
11/15/91	8.04	1.21	6.83	0.00	--	--	--	--	--	--	--	--	--	--
11/21/91	8.04	1.20	6.84	0.00	--	--	--	--	--	--	--	--	--	--
12/12/91	8.04	1.17	6.87	<0.01	--	--	--	--	--	--	--	--	--	--
12/30/91	8.04	1.58	6.46	0.00	--	--	--	--	--	--	--	--	--	--
01/13/92	8.04	2.13	5.91	0.00	--	--	--	--	--	--	--	--	--	--
01/22/92	8.04	2.09	5.95	0.00	--	--	--	--	--	--	--	--	--	--
02/12/92	8.04	2.26	5.78	<0.01	--	--	--	15,000	920	75	520	940	--	860
03/09/92	8.04	2.95	5.09	0.00	--	--	--	--	--	--	--	--	--	--
04/10/92	8.04	2.65	5.39	0.00	--	--	--	--	--	--	--	--	--	--
05/18/92	8.04	2.45	5.59	0.00	--	--	--	19,000	2000	97	560	1200	<5000	<50
01/06/93	8.04	2.54	5.50	--	--	--	Sheen	19,000	2000	89	490	740	--	2700
02/03/93	8.04	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/93	11.46	6.07	5.39	0.00	--	--	--	5700	2400	75	380	580	--	2300
07/19/93	11.46	5.33	6.13	0.00	--	--	--	19,000	2400	140	440	620	--	2400
10/19/93	11.46	4.95	6.51	0.00	--	--	--	13,000	1200	84	290	530	--	2100
01/17/94	11.46	5.28	6.18	0.00	--	--	Destroyed	11,000	1900	63	170	290	--	<50

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel
B-5														
09/20/91	7.73	2.2	5.53	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
10/09/91	7.73	2.42	5.31	0.00	--	--	--	--	--	--	--	--	--	--
10/17/91	7.73	2.09	5.64	0.00	--	--	--	--	--	--	--	--	--	--
10/23/91	7.73	2.05	5.68	0.00	--	--	--	--	--	--	--	--	--	--
11/01/91	7.73	2.24	5.49	0.00	--	--	--	--	--	--	--	--	--	--
11/07/91	7.73	2.19	5.54	0.00	--	--	--	--	--	--	--	--	--	--
11/15/91	7.73	2.10	5.63	0.00	--	--	--	--	--	--	--	--	--	--
11/21/91	7.73	--	--	--	--	--	--	--	--	--	--	--	--	--
12/12/91	7.73	2.05	5.68	0.00	--	--	--	--	--	--	--	--	--	--
12/30/91	7.73	2.54	5.19	0.00	--	--	--	--	--	--	--	--	--	--
01/13/92	7.73	3.07	4.65	0.00	--	--	--	--	--	--	--	--	--	--
01/22/92	7.73	3.03	4.70	0.00	--	--	--	--	--	--	--	--	--	--
02/12/92	7.73	3.38	4.45	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/09/92	7.73	3.68	4.05	0.00	--	--	--	--	--	--	--	--	--	--
04/10/92	7.73	3.30	4.43	0.00	--	--	--	--	--	--	--	--	--	--
05/18/92	7.73	3.94	3.79	0.00	--	--	--	390	39	1.9	11	24	<5000	--
01/06/93	7.73	3.39	4.44	--	--	--	Sheen	<50	<0.5	<0.5	<0.5	<0.5	--	<50
02/03/93	7.73	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/93	10.18	5.86	4.32	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
07/19/93	10.18	5.15	5.03	0.00	--	--	--	54	<0.5	0.7	<0.5	<1.5	--	<50
10/19/93	10.18	5.08	5.10	0.00	--	--	--	<50	2.0	4.1	0.6	3.5	--	<50
01/07/94	10.18	5.32	4.86	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
08/18/94	10.18	5.04	5.14	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
11/30/94	10.18	5.73	4.45	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	140*
02/15/95	10.18	6.03	4.15	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	170*

* Chromagram pattern indicates a non-diesel mix.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel
B-6														
09/20/91	8.55	1.70	6.85	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
10/09/91	8.55	1.72	6.83	0.00	--	--	--	--	--	--	--	--	--	--
10/17/91	8.55	1.65	6.90	0.00	--	--	--	--	--	--	--	--	--	--
10/23/91	8.55	1.62	6.93	0.00	--	--	--	--	--	--	--	--	--	--
11/01/91	8.55	1.77	6.78	0.00	--	--	--	--	--	--	--	--	--	--
11/07/91	8.55	1.74	6.81	0.00	--	--	--	--	--	--	--	--	--	--
11/15/91	8.55	1.67	6.88	0.00	--	--	--	--	--	--	--	--	--	--
11/21/91	8.55	1.60	6.95	0.00	--	--	--	--	--	--	--	--	--	--
12/12/91	8.55	1.41	7.14	0.00	--	--	--	--	--	--	--	--	--	--
12/30/91	8.55	2.05	6.50	0.00	--	--	--	--	--	--	--	--	--	--
01/13/92	8.55	2.36	6.19	0.00	--	--	--	--	--	--	--	--	--	--
01/22/92	8.55	2.28	6.27	0.00	--	--	--	--	--	--	--	--	--	--
02/12/92	8.55	2.43	6.12	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/09/92	8.55	3.27	5.28	0.00	--	--	--	--	--	--	--	--	--	--
04/10/92	8.55	3.07	5.48	0.00	--	--	--	--	--	--	--	--	--	--
05/18/92	8.55	2.65	5.90	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5000	<50
01/06/93	8.55	2.76	5.79	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
02/03/93	8.55	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/93	11.97	6.70	5.27	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
07/19/93	11.97	5.06	6.91	0.00	--	--	--	74	<0.5	<0.5	<0.5	<1.5	--	<50
10/19/93	11.97	5.49	6.48	0.00	--	--	--	<50	<0.5	0.5	<0.5	2.2	--	<50
01/07/94	11.97	5.79	6.18	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
08/18/94	11.97	5.77	6.20	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
11/30/94	11.97	6.52	5.45	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	230*
02/15/95	11.97	7.27	4.70	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	130*

* Chromatogram pattern indicates a non-diesel mix.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel
B-7														
04/23/93	10.54	6.02	4.52	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<50	--
07/19/93	10.54	5.50	5.04	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<50	<50
10/19/93	10.54	5.14	5.40	0.00	--	--	--	<50	3.1	0.5	<0.5	0.8	--	<50
01/07/94	10.54	5.35	5.19	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
08/18/94	10.54	5.28	5.26	0.00	--	--	--	<50	<0.5	<0.5	<0.5	1.1	--	<50
11/30/94	10.54	5.96	4.58	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
02/15/95	10.54	6.32	4.22	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
B-8														
04/23/93	11.99	6.63	5.36	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<50	--
07/19/93	11.99	5.77	6.22	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<50	<50
10/19/93	11.99	--	--	--	--	--	Dry	--	--	--	--	--	--	--
01/07/94	11.99	5.69	6.30	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
08/18/94	11.99	5.56	6.43	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
11/30/94	11.99	6.53	5.46	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	120*
02/15/95	11.99	7.27	4.72	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	120*
B-9														
04/23/93	10.70	6.14	4.56	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<50	--
07/19/93	10.70	5.25	5.45	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<50	<50
10/19/93	10.70	4.81	5.89	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
01/07/94	10.70	5.29	5.41	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
08/18/94	10.70	5.15	5.55	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
11/30/94	10.70	6.35	4.35	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	60*
02/15/95	10.70	7.05	3.65	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50

* Chromatogram pattern indicates a non-diesel mix.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel
TRIP BLANK														
01/06/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/23/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/19/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/93	--	--	--	--	--	--	--	<50	<0.5	0.5	<0.5	<0.5	--	--
01/17/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/18/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/15/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 1, 1994.
Earlier field data and analytical results are drawn from the September 27, 1994 Groundwater Technology, Inc. report.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
SPH = Seperate-Phase Hydrocarbons
TOG = Total Oil and Grease

Analytical Appendix

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

Blaine Technical Services	Client Proj. ID: 950215-D2, Chevron 9-0290	Sampled: 02/15/95
985 Timothy Drive	Sample Descript: B-1	Received: 02/16/95
San Jose, CA 95133	Matrix: LIQUID	Extracted: 02/22/95
	Analysis Method: EPA 8015 Mod	Analyzed: 02/23/95
Attention: Jim Keller	Lab Number: 9502A82-01	Reported: 02/28/95

QC Batch Number: GC0217950HBPEXA
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**1300**
Chromatogram Pattern: **Non Diesel Mix**		**C9-C24**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	122

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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Blaine Technical Services	Client Proj. ID: 950215-D2, Chevron 9-0290	Sampled: 02/15/95
985 Timothy Drive	Sample Descript: B-1	Received: 02/16/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/21/95
Attention: Jim Keller	Lab Number: 9502A82-01	Reported: 02/28/95

QC Batch Number: GC022095BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**200**	**1000**
Benzene	**2.0**	**160**
Toluene	2.0	N.D.
Ethyl Benzene	**2.0**	**4.6**
Xylenes (Total)	**2.0**	**2.6**
Chromatogram Pattern:		**Gas**
Discrete Peak		**C6-C7**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	98

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

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Blaine Technical Services	Client Proj. ID: 950215-D2, Chevron 9-0290	Sampled: 02/15/95
985 Timothy Drive	Sample Descript: B-5	Received: 02/16/95
San Jose, CA 95133	Matrix: LIQUID	Extracted: 02/22/95
	Analysis Method: EPA 8015 Mod	Analyzed: 02/23/95
Attention: Jim Keller	Lab Number: 9502A82-02	Reported: 02/28/95

QC Batch Number: GC0217950HBPEXA
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**170**
Chromatogram Pattern:		
Non Diesel Mix		**C9-C24**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	110

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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

Blaine Technical Services	Client Proj. ID: 950215-D2, Chevron 9-0290	Sampled: 02/15/95
985 Timothy Drive	Sample Descript: B-5	Received: 02/16/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/19/95
Attention: Jim Keller	Lab Number: 9502A82-02	Reported: 02/28/95

QC Batch Number: GC021895BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	92

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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

Blaine Technical Services	Client Proj. ID: 950215-D2, Chevron 9-0290	Sampled: 02/15/95
985 Timothy Drive	Sample Descript: B-6	Received: 02/16/95
San Jose, CA 95133	Matrix: LIQUID	Extracted: 02/22/95
	Analysis Method: EPA 8015 Mod	Analyzed: 02/23/95
Attention: Jim Keller	Lab Number: 9502A82-03	Reported: 02/28/95

QC Batch Number: GC0217950HBPEXA
Instrument ID: GHCP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**130**
Chromatogram Pattern:		
Non Diesel Mix		**C9-C24**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	104

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

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

Blaine Technical Services	Client Proj. ID: 950215-D2, Chevron 9-0290	Sampled: 02/15/95
985 Timothy Drive	Sample Descript: B-6	Received: 02/16/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/20/95
Attention: Jim Keller	Lab Number: 9502A82-03	Reported: 02/28/95

QC Batch Number: GC021895BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	86

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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Blaine Technical Services	Client Proj. ID: 950215-D2, Chevron 9-0290	Sampled: 02/15/95
985 Timothy Drive	Sample Descript: B-7	Received: 02/16/95
San Jose, CA 95133	Matrix: LIQUID	Extracted: 02/22/95
	Analysis Method: EPA 8015 Mod	Analyzed: 02/23/95
Attention: Jim Keller	Lab Number: 9502A82-04	Reported: 02/28/95

QC Batch Number: GC0217950HBPEXA
Instrument ID: GHCP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	98

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

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Blaine Technical Services	Client Proj. ID: 950215-D2, Chevron 9-0290	Sampled: 02/15/95
985 Timothy Drive	Sample Descript: B-7	Received: 02/16/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/19/95
Attention: Jim Keller	Lab Number: 9502A82-04	Reported: 02/28/95

QC Batch Number: GC021895BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	97

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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Blaine Technical Services	Client Proj. ID: 950215-D2, Chevron 9-0290	Sampled: 02/15/95
985 Timothy Drive	Sample Descript: B-8	Received: 02/16/95
San Jose, CA 95133	Matrix: LIQUID	Extracted: 02/22/95
	Analysis Method: EPA 8015 Mod	Analyzed: 02/27/95
Attention: Jim Keller	Lab Number: 9502A82-05	Reported: 02/28/95

QC Batch Number: GC0217950HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**120**
Chromatogram Pattern:		
Discrete Peaks		...

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	107

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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

Blaine Technical Services	Client Proj. ID: 950215-D2, Chevron 9-0290	Sampled: 02/15/95
985 Timothy Drive	Sample Descript: B-8	Received: 02/16/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/19/95
Attention: Jim Keller	Lab Number: 9502A82-05	Reported: 02/28/95

QC Batch Number: GC021895BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	96

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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Blaine Technical Services	Client Proj. ID: 950215-D2, Chevron 9-0290	Sampled: 02/15/95
985 Timothy Drive	Sample Descript: B-9	Received: 02/16/95
San Jose, CA 95133	Matrix: LIQUID	Extracted: 02/22/95
	Analysis Method: EPA 8015 Mod	Analyzed: 02/27/95
Attention: Jim Keller	Lab Number: 9502A82-06	Reported: 02/28/95

QC Batch Number: GC0217950HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	96

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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

Blaine Technical Services	Client Proj. ID: 950215-D2, Chevron 9-0290	Sampled: 02/15/95
985 Timothy Drive	Sample Descript: B-9	Received: 02/16/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/19/95
Attention: Jim Keller	Lab Number: 9502A82-06	Reported: 02/28/95

QC Batch Number: GC021895BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	88

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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

Blaine Technical Services	Client Proj. ID: 950215-D2, Chevron 9-0290	Sampled: 02/15/95
985 Timothy Drive	Sample Descript: TB	Received: 02/16/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/19/95
Attention: Jim Keller	Lab Number: 9502A82-07	Reported: 02/28/95

QC Batch Number: GC021895BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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

Blaine Tech Services	Client Project ID:	950215-D2, Chevron 9-0290	
985 Timothy Drive	Matrix:	Liquid	
San Jose, CA 95133			
Attention: Jim Keller	Work Order #:	9502A82 -01-06	Reported: Feb 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	GC021795OHBPEXA
Analy. Method:	EPA 8015M
Prep. Method:	EPA 3510

Analyst:	B. Ali
MS/MSD #:	950281801
Sample Conc.:	N.D.
Prepared Date:	2/17/95
Analyzed Date:	2/17/95
Instrument I.D.#:	GCHP5A
Conc. Spiked:	600 µg/L
Result:	460
MS % Recovery:	77
Dup. Result:	420
MSD % Recov.:	70
RPD:	9.1
RPD Limit:	0-50

LCS #:	-
Prepared Date:	-
Analyzed Date:	-
Instrument I.D.#:	-
Conc. Spiked:	-
LCS Result:	-
LCS % Recov.:	-

MS/MSD LCS Control Limits	38-122

SEQUOIA ANALYTICAL

Suzanne Chin
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.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

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

Blaine Tech Services
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Project ID: 950215-D2, Chevron 9-0290
Matrix: Liquid
Work Order #: 9502A82-01

Reported: Feb 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC022095BTEX03A	GC022095BTEX03A	GC022095BTEX03A	GC022095BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950258302	950258302	950258302	950258302
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/20/95	2/20/95	2/20/95	2/20/95
Analyzed Date:	2/20/95	2/20/95	2/20/95	2/20/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.7	9.4	9.3	28
MS % Recovery:	97	94	93	93
Dup. Result:	8.9	8.3	8.3	25
MSD % Recov.:	89	83	83	83
RPD:	8.6	12	11	11
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Suzanne Chin
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.

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Blaine Tech Services	Client Project ID:	950215-D2, Chevron 9-0290	
985 Timothy Drive	Matrix:	Liquid	
San Jose, CA 95133			
Attention: Jim Keller	Work Order #:	9502A82-02-07	Reported: Feb 28, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC021895BTEX02A	GC021895BTEX02A	GC021895BTEX02A	GC021895BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950258303	950258303	950258303	950258303
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/18/95	2/18/95	2/18/95	2/18/95
Analyzed Date:	2/18/95	2/18/95	2/18/95	2/18/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	10	30
MS % Recovery:	100	100	100	100
Dup. Result:	10	10	10	31
MSD % Recov.:	100	100	100	103
RPD:	0.0	0.0	0.0	3.3
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Suzanne Chin
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.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number 9-0290
Facility Address 1802 Webster St., Alameda, CA
Consultant Project Number 950215-02
Consultant Name Blaine Tech Services, Inc.
Address 985 Timothy Dr., San Jose, CA 95133
Project Contact (Name) Jim Keller
(Phone) 408-995-5535 (Fax Number) 408-293-8773

Chevron Contact (Name) Mark Miller
(Phone) (510) 842-8134
Laboratory Name Sequoia
Laboratory Release Number 2172720
Samples Collected by (Name) MIKE DILLOUGHERY
Collection Date 2-15-95
Signature MD Dillaughery

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)						DO NOT BILL FOR TB-LB Remarks
B-1	2-15-95	5	W		1630	HCL	Y	X	X			A-E									
B-5	2-15-95	5	W		1605		Y	X	X												
B-6	2-15-95	5	W		1555		Y	X	X						9502A82						
B-7	2-15-95	5	W		1530		Y	X	X												
B-8	2-15-95	5	W		1425		Y	X	X												
B-9	2-15-95	5	W		1345		Y	X	X												
TB	2-15-95	2	W			↓	Y	X	X			↓									12.C

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
MD Dillaughery	BTS	2/16 10:00		Sequoia	2/16/95 10:05	24 Hrs.
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	48 Hrs.
		2/16/95 12:20				5 Days
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	10 Days
					2-16-95 1220	As Contracted

Field
Data
Sheets

WELL GAUGING DATA

Project # 950215-~~DB~~2 Date 2-15-95 Client CHEV 9-0290

Site 1802 Webster St., Alameda

Well I.D.	Well Size (in.)	Sheen/ Odor	Depth to Immiscible Liquid (feet)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to Water (feet)	Depth to Well Bottom (feet)	Survey ~~Point~~: TOB or TOC
A-1	2"	F.P.				4.79	11.14	TOC
B-1	2"	SHEEN/ Odor				5.37	17.15	↓
B-5	2"					4.15	18.24	
B-6	2"					4.70	18.98	
B-7	2"					4.22	14.24	
B-8	2"					4.72	14.45	
B-9	2"					3.65	14.07	

WE . MONITORING DATA SHEET

Project #: 950215-D2	~~Client:~~ Station # 9-0290
Sampler: MIKE D.	Date Sampled:
Well I.D.: A-1	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before / After	Depth to Water: Before / After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

Volume Conversion Factor (VCF):
(ft = (d^2/4) x π)/231
where
ft = in/feet
d = diameter (in.)
π = 3.1416
231 = in3/gal

Well (in.	VCF
2"	= 0.16
3"	= 0.37
4"	= 0.65
6"	= 1.47
10"	= 4.08
12"	= 5.87

_____ X _____ = _____

1 Case Volume | Specified Volumes | gallons

Purging: Bailer ☐ Middleburg ☐ Electric Submersible ☐ Suction Pump ☐ Type of Installed Pump _____

Sampling: Bailer ☐ Middleburg ☐ Electric Submersible ☐ Suction Pump ☐ Installed Pump ☐

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
	Heavy oil coating on top, about					
	1" thick. Water underneath is					
	relatively clean.					
	NOT SAMPLED					

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time:

Sample I.D.: Laboratory:

Analyzed for:

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 950215-D2	Station # 9-0290
Sampler: MIKE D	Date Sampled: 2-15-95
Well I.D.: B-1	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 17.15 After	Depth to Water: Before 5.37 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

1.9	x	3	=	6.0
1 Case Volume		Specified Volumes		gallons

Purging: (Bailer) DISP Middleburg Electric Submersible Suction Pump Type of Installed Pump _____

Sampling: (Bailer) DISP Middleburg Electric Submersible Suction Pump Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1615	64.2	7.0	1100	—	2.0	
1620	64.0	6.8	1000	—	4.0	
1625	63.8	6.8	900	—	6.0	

Did Well Dewater? N If yes, gals. Gallons Actually Evacuated: 6.0

Sampling Time: 1630

Sample I.D.: B-1 Laboratory: SEQ

Analyzed for: TPHG, BTEX, TPHD

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 950215-D2	Station # 9-0290
Sampler: MIKE D.	Date Sampled: 2-15-95
Well I.D.: B-5	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 18.24 After	Depth to Water: Before 4.15 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

2.3	x	3	=	7.0
1 Case Volume		Specified Volumes		gallons

Purging: (Bailer) DISP.
Middleburg
Electric Submersible
Suction Pump
Type of Installed Pump _____

Sampling: (Bailer) DISP
Middleburg
Electric Submersible
Suction Pump
Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1550	63.0	6.6	760	—	2.5	
1555	64.2	6.7	740	—	5.0	
1600	64.0	6.6	720	—	7.0	

Did Well Dewater? N If yes, gals. Gallons Actually Evacuated: 7.0

Sampling Time: 1605

Sample I.D.: B-5 Laboratory: SEQ

Analyzed for: TPHG, BTEX, TPHD

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 950215-D2	Station # 9-0290
Sampler: MIKE D.	Date Sampled: 2-15-95
Well I.D.: B-6	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 18.98 After	Depth to Water: Before 4.70 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

2.5	x	3	=	7.5
1 Case Volume		Specified Volumes		gallons

Purging: (Bailer) DISP. Middleburg Electric Submersible Suction Pump Type of Installed Pump _____

Sampling: (Bailer) DISP Middleburg Electric Submersible Suction Pump Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1440	62.6	6.8	600	—	2.5	
1445	63.6	6.8	600	—	5.0	
1450	63.8	6.7	600	—	7.5	

Did Well Dewater? N If yes, gals. Gallons Actually Evacuated: 8.0

Sampling Time: 1455

Sample I.D.: B-6 Laboratory: SEQ

Analyzed for: TPHG, BTEX, TPHD

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 950215-D2	Station # 9-0290
Sampler: MIKE D.	Date Sampled: 2-15-95
Well I.D.: B-7	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 14.24 After	Depth to Water: Before 4.22 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other --

1.6	x	3	=	4.9
1 Case Volume		Specified Volumes		gallons

Purging: (Bailer) DISP Middleburg Electric Submersible Suction Pump Type of Installed Pump ___

Sampling: (Bailer) DISP Middleburg Electric Submersible Suction Pump Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1515	62.4	7.0	700	—	1.5	
1520	64.8	7.1	600	—	3.0	
1525	64.6	7.0	700	—	5.0	

Did Well Dewater? N If yes, gals. Gallons Actually Evacuated: 5.0

Sampling Time: 1530

Sample I.D.: B-7 Laboratory: SEQ

Analyzed for: TPH G, BTEX, TPH D

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 950215-DZ	Station # 9-0290
Sampler: MIKE D.	Date Sampled: 2-15-95
Well I.D.: B-9	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 14.07 After	Depth to Water: Before 3.65 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

1.7	x	3	=	5.2
1 Case Volume		Specified Volumes		gallons

Purging: Bailer, Middleburg, Electric Submersible, Suction Pump, Type of Installed Pump ____

Sampling: (Bailer) DISP, ~~Middleburg~~, Electric Submersible, Suction Pump, Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1330	60.6	6.8	2000	----	1.5	
1335	61.0	6.8	1100		3.0	
1340	60.8	6.7	1100		5.5	

Did Well Dewater? N If yes, gals. Gallons Actually Evacuated: 5.5

Sampling Time: 1345

Sample I.D.: ~~MW-9~~ B-9 Laboratory: SEQ

Analyzed for: TPHG, BTEX, TPHD

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations: