

1205 - 1215



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

January 18, 1995

*Need MW NW of former OST pit.
Implement RAB to prevent offsite
migration of contaminants.
Investigate utility trenches on Webster St.*

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 Fourth Quarter 1994 Groundwater Monitoring report dated January 4, 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. Additionally, a sample collected from B-1 was analyzed for TOG. Dissolved concentrations of these constituents detected during this sampling event are similar to historical observations at the site. Concentrations of TOG in B-1 were below method detection limits, therefore we will discontinue sampling for this constituent. Depth to ground water was measured at approximately 4.4 to 6.0 feet below grade and the direction of flow is to the northwest.

Separate phase hydrocarbons (SPH) are being removed on a weekly basis from monitor well A-1. Absorbent pads are currently employed to remove the SPH due to its viscous nature. A summary of the baling program is included in the enclosed report.

We look forward to discussing this site and our Comprehensive Site Review and Proposed Further Action Plan with you on January 26, 1995. If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

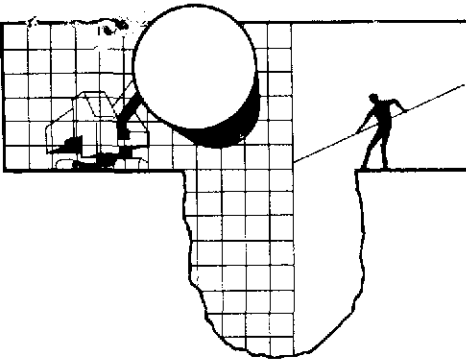
cc: Mr. S.A. Willer



Page 2
January 18, 1995
Chevron SS#9-0290

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

File: 9-0290 QM5



BLAINE TECH SERVICES INC.

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

January 4, 1995

Mark Miller
Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583-0804

4th Quarter 1994 Monitoring at 9-0290

Fourth Quarter 1994 Groundwater Monitoring at
Chevron Service Station Number 9-0290
1802 Webster Street
Alameda, CA

Monitoring Performed on November 30, 1994

Groundwater Sampling Report 941130-E-1

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.

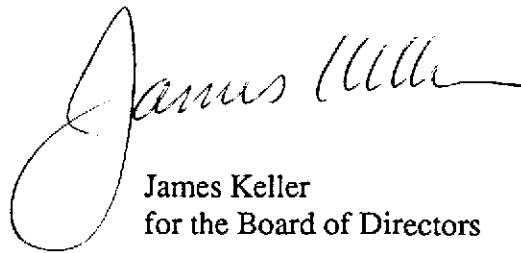
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater 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,

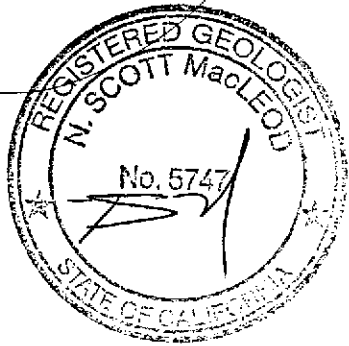
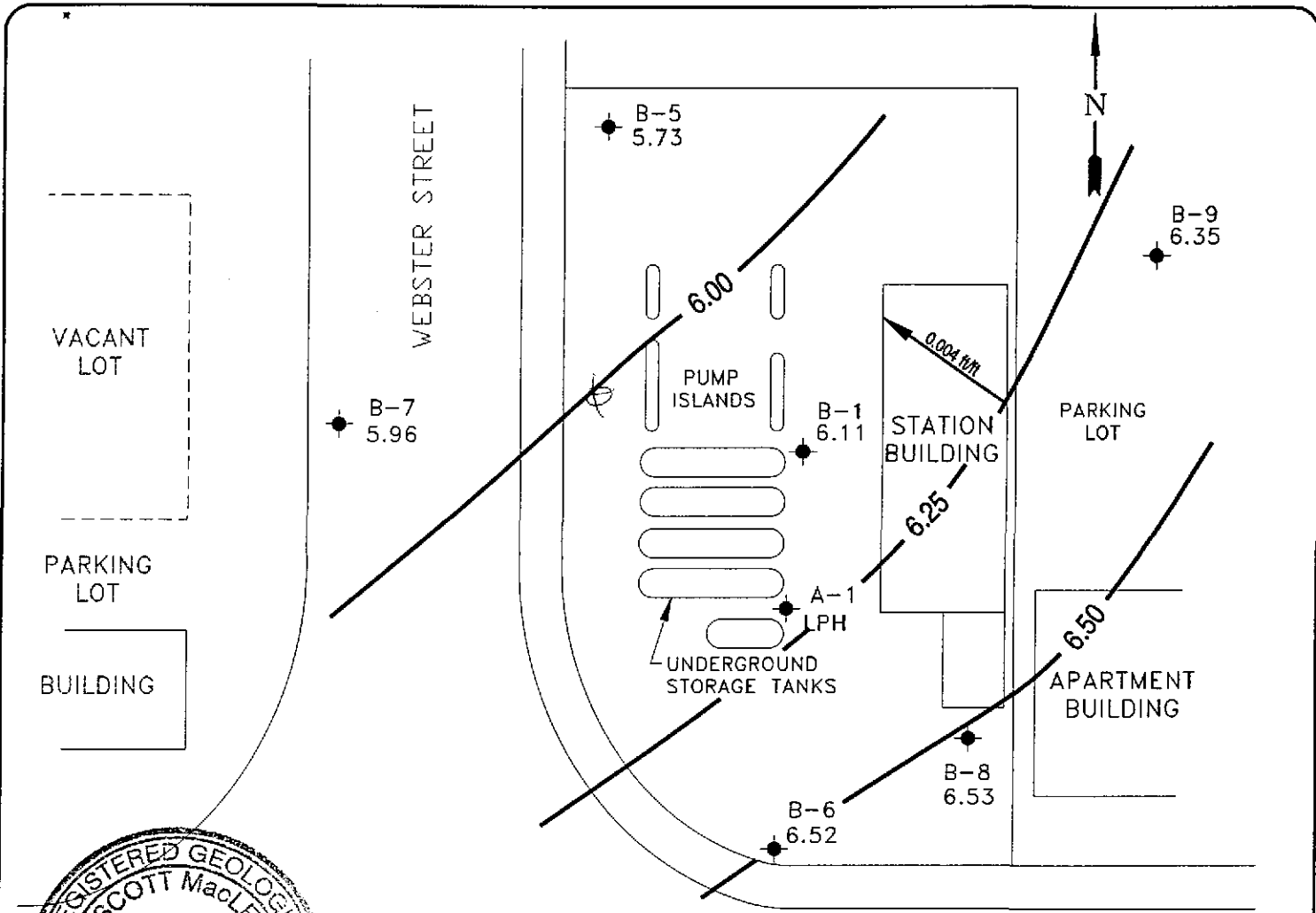
A handwritten signature in cursive script that reads "James Keller". The signature is written in black ink and is positioned above the printed name and title.

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, COULD NOT GAUGE
- X.XX POTENTIOMETRIC SURFACE ELEVATION (FT)
- POTENTIOMETRIC SURFACE CONTOUR
- ← X.XX GROUNDWATER FLOW DIRECTION AND GRADIENT

B.P. STATION



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

VCHEVRON9-0290\0290-QM(4Q94).DWG

Ground Water Elevation
 November 30, 1994

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	2.00	2.00	--	--	--	--	--	--	--	--
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	2.00	--	--	--	--	--	--	--	--
07/20/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
07/27/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
08/06/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
08/10/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
08/16/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--

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	--	--	--	--	2.76	--	--	--	--	--	--	--	--
09/24/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
10/01/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
10/07/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
10/13/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
10/19/93	11.56	--	--	0.10	--	2.76	--	--	--	--	--	--	--	--
10/20/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
10/28/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
11/12/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
11/19/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
11/30/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
12/10/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
12/16/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
12/23/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
12/29/93	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
01/03/94	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
01/17/94	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
01/26/94	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
02/07/94	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
02/11/94	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
02/18/94	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
02/25/94	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
03/04/94	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
03/11/94	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
03/16/94	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
03/25/94	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
04/01/94	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
08/18/94	11.56	--	--	--	--	2.76	--	--	--	--	--	--	--	--
11/30/94	11.56	--	--	--	2.00	4.76	--	--	--	--	--	--	--	--

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**
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*

* 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*

* 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
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*
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*

* 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	--	--

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



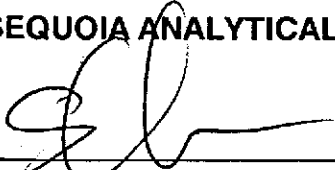
Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 941130-E1, Chevron 9-0290 Lab Proj. ID: 9412062	Sampled: 11/30/94 Received: 12/01/94 Analyzed: see below Reported: 12/13/94
Attention: Jim Keller		

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9412062-01 Sample Desc: LIQUID, B-1				
TRPH (SM 5520 B&F)	mg/L	12/07/94	5.0	N.D.

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

SEQUOIA ANALYTICAL - ELAP #1210



Suzanne Chin
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Proj. ID: 941130-E1, Chevron 9-0290 Sample Descript: B-1 Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9412062-01	Sampled: 11/30/94 Received: 12/01/94 Extracted: 12/08/94 Analyzed: 12/10/94 Reported: 12/13/94
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QC Batch Number: GC120894OHBPEXZ
Instrument ID: GCHP4B

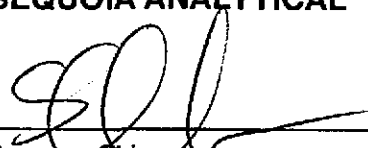
Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern: Non Diesel Mix	50	3200 C9-C24

Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	116

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

SEQUOIA ANALYTICAL - ELAP #1210


Suzanne Chin
Project Manager





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

Client Proj. ID: 941130-E1, Chevron 9-0290
 Sample Descript: B-1
 Matrix: LIQUID
 Analysis Method: 8015Mod/8020
 Lab Number: 9412062-01

Sampled: 11/30/94
 Received: 12/01/94
 Analyzed: 12/07/94
 Reported: 12/13/94

QC Batch Number: GC120794BTEX20A
 Instrument ID: GCHP20

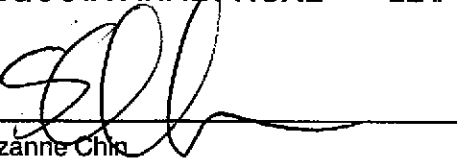
Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	250	1500
Benzene	2.5	250
Toluene	2.5	17
Ethyl Benzene	2.5	7.5
Xylenes (Total)	2.5	19
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	116

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

SEQUOIA ANALYTICAL - ELAP #1210


 Suzanne Chin
 Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Proj. ID: 941130-E1, Chevron 9-0290 Sample Descript: B-5 Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9412062-02	Sampled: 11/30/94 Received: 12/01/94 Extracted: 12/08/94 Analyzed: 12/10/94 Reported: 12/13/94
---	---	--

QC Batch Number: GC120894OHBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern: Non Diesel Mix	50	140 C9-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50	% Recovery 150 106

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 941130-E1, Chevron 9-0290 Sample Descript: B-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9412062-02	Sampled: 11/30/94 Received: 12/01/94 Analyzed: 12/07/94 Reported: 12/13/94
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QC Batch Number: GC120694BTEX03A
Instrument ID: GCHP03

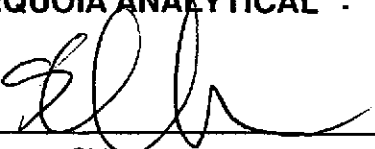
Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

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	99

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

SEQUOIA ANALYTICAL - ELAP #1210



Suzanne Chir
Project Manager





Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Client Proj. ID: 941130-E1, Chevron 9-0290
Sample Descript: B-6
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9412062-03

Sampled: 11/30/94
Received: 12/01/94
Extracted: 12/08/94
Analyzed: 12/10/94
Reported: 12/13/94

QC Batch Number: GC120894OHBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	230
Chromatogram Pattern: Non Diesel Mix		C9-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	92

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 941130-E1, Chevron 9-0290 Sample Descript: B-6 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9412062-03	Sampled: 11/30/94 Received: 12/01/94 Analyzed: 12/07/94 Reported: 12/13/94
--	---	---

QC Batch Number: GC120694BTEX03A
Instrument ID: GCHP03

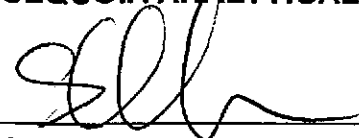
Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

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	109

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

SEQUOIA ANALYTICAL - ELAP #1210



 Suzanne Chin
 Project Manager





Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: 941130-E1, Chevron 9-0290
Sample Descript: B-7
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9412062-04

Sampled: 11/30/94
Received: 12/01/94
Extracted: 12/08/94
Analyzed: 12/10/94
Reported: 12/13/94

QC Batch Number: GC120894OHBPEXZ
Instrument ID: GCHP4B

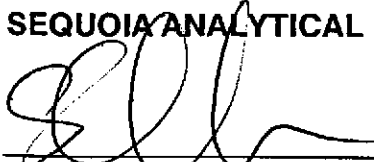
Total Extractable Petroleum Hydrocarbons (TEPH)

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

Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	90

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

SEQUOIA ANALYTICAL - ELAP #1210



Suzanne Chin
Project Manager





Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Client Proj. ID: 941130-E1, Chevron 9-0290
Sample Descript: B-7
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9412062-04

Sampled: 11/30/94
Received: 12/01/94
Analyzed: 12/07/94
Reported: 12/13/94

Attention: Jim Keller

QC Batch Number: GC120694BTEX03A
Instrument ID: GCHP03

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	111

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager





Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Client Proj. ID: 941130-E1, Chevron 9-0290
Sample Descript: B-8
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9412062-05

Sampled: 11/30/94
Received: 12/01/94
Extracted: 12/08/94
Analyzed: 12/10/94
Reported: 12/13/94

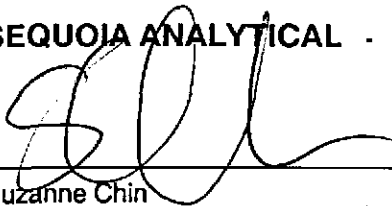
QC Batch Number: GC120894OHBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	120
Chromatogram Pattern: Non Diesel Mix		C20-C24
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	120

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

SEQUOIA ANALYTICAL - ELAP #1210


Suzanne Chin
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 941130-E1, Chevron 9-0290 Sample Descript: B-8 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9412062-05	Sampled: 11/30/94 Received: 12/01/94 Analyzed: 12/07/94 Reported: 12/13/94
Attention: Jim Keller		

QC Batch Number: GC120694BTEX03A
Instrument ID: GCHP03


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	110

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

SEQUOIA ANALYTICAL - ELAP #1210



Suzanne Chin
Project Manager





Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: 941130-E1, Chevron 9-0290
Sample Descript: B-9
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9412062-06

Sampled: 11/30/94
Received: 12/01/94
Extracted: 12/08/94
Analyzed: 12/10/94
Reported: 12/13/94

QC Batch Number: GC120894OHBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern: Non Diesel Mix	50	60 C20-C24
Surrogates n-Pentacosane (C25)	Control Limits % 50	% Recovery 150 102

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 941130-E1, Chevron 9-0290 Sample Descript: B-9 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9412062-06	Sampled: 11/30/94 Received: 12/01/94 Analyzed: 12/07/94 Reported: 12/13/94
Attention: Jim Keller		

QC Batch Number: GC120694BTEX03A
Instrument ID: GCHP03

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	110

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 941130-E1, Chevron 9-0290 Sample Descript: TB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9412062-07	Sampled: 11/30/94 Received: 12/01/94 Analyzed: 12/07/94 Reported: 12/13/94
Attention: Jim Keller		

QC Batch Number: GC120694BTEX03A
Instrument ID: GCHP03

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	108

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin
Project Manager





Blaine Tech Services, Inc. Client Project ID: 941130-E1, Chevron 9-0290
 985 Timothy Drive Matrix: Liquid
 San Jose, CA 95133
 Attention: Jim Keller Work Order #: 9412062 01 Reported: Dec 13, 1994

QUALITY CONTROL DATA REPORT

Analyte: Total Recoverable
 Petroleum Hyd.
QC Batch#: OP1206945520EXA
Analy. Method: SM 5520 BF
Prep. Method: -

Analyst: A. Pina
MS/MSD #: BLK120694
Sample Conc.: N.D.
Prepared Date: 12/6/94
Analyzed Date: 12/6/94
Instrument I.D.#: MANUAL
Conc. Spiked: 30 mg/L

Result: 26
MS % Recovery: 87

Dup. Result: 25
MSD % Recov.: 83

RPD: 3.9
RPD Limit: 0-10

LCS #: BLK120694
Prepared Date: 12/6/94
Analyzed Date: 12/6/94
Instrument I.D.#: MANUAL
Conc. Spiked: 30 mg/L

LCS Result: 26
LCS % Recov.: 87

**MS/MSD
 LCS Control Limits** 70-110

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

 Suzanne Chin
 Project Manager





Blaine Tech Services, Inc. 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Project ID: 941130-E1, Chevron 9-0290 Matrix: Liquid	Work Order #: 9412062 01-06	Reported: Dec 13, 1994
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QUALITY CONTROL DATA REPORT

Analyte: Diesel
QC Batch#: GC1208940HBPEXZ
Analy. Method: EPA 8015 Mod
Prep. Method: EPA 3520

Analyst: N. Herrera
MS/MSD #: 941206104
Sample Conc.: 98
Prepared Date: 12/8/94
Analyzed Date: 12/10/94
Instrument I.D.#: GCHP4
Conc. Spiked: 600 µg/L

Result: 390
MS % Recovery: 49

Dup. Result: 400
MSD % Recov.: 50

RPD: 2.5
RPD Limit: 0-50

LCS #: BLK120894

Prepared Date: 12/8/94
Analyzed Date: 12/10/94
Instrument I.D.#: GCHP4
Conc. Spiked: 600 µg/L

LCS Result: 430
LCS % Recov.: 72

MS/MSD LCS Control Limits	38-122
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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

 Suzanne Chin
 Project Manager





Blaine Tech Services, Inc. Client Project ID: 941130-E1, Chevron 9-0290
 985 Timothy Drive Matrix: Liquid
 San Jose, CA 95133 Work Order #: 9412062 01 Reported: Dec 13, 1994
 Attention: Jim Keller

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC120794BTEX20A	GC120794BTEX20A	GC120794BTEX20A	GC120794BTEX20A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	N.A.	N.A.	N.A.	N.A.

Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	941204419	941204419	941204419	941204419
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	N.A.	N.A.	N.A.	N.A.
Analyzed Date:	12/7/94	12/7/94	12/7/94	12/7/94
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.9	10	11	31
MS % Recovery:	99	100	110	103
Dup. Result:	9.3	9.8	10	29
MSD % Recov.:	93	98	100	97
RPD:	6.3	2.0	9.5	6.7
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	71-133	72-128	72-130	71-120
LCS				
Control Limits				

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

Suzanne Chin
 Suzanne Chin
 Project Manager

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

9412062.BLA <3>





Blaine Tech Services, Inc. 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Project ID: 941130-E1, Chevron 9-0290 Matrix: Liquid	Work Order #: 9412062 02-07	Reported: Dec 13, 1994
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QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC120694BTEX03A	GC120694BTEX03A	GC120694BTEX03A	GC120694BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	N.A.	N.A.	N.A.	N.A.

Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	941204309	941204309	941204309	941204309
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	N.A.	N.A.	N.A.	N.A.
Analyzed Date:	12/6/94	12/6/94	12/6/94	12/6/94
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	10	31
MS % Recovery:	100	100	100	103
Dup. Result:	10	10	10	30
MSD % Recov.:	100	100	100	100
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

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

Suzanne Chin
Project Manager



Field Data Sheets

WELL GAUGING DATA

Project # 941130-E1 Date 11/30/94 Client 9-0290

Site 1802 Webster St. Alameda CA.

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"	ODOR SHEEN SDH	5.36*					TC
B-1	2"					6.01	18.67	
B-5	2"					4.45	18.14	
B-6	2"					5.45	18.92	
B-7	2"					4.58	14.18	
B-8	2"					5.46	14.35	
B-9	2"					4.35	13.96	

* Note: I WAS UNABLE to accurately gauge the thickness of Immiscible Liquid. Due to the thick of the product the probe became fouled and was UNABLE to sense WATER.

CHEVRON WELL MONITORING DATA SHEET

Project #: <i>94/130-E1</i>	Station # 9- <i>0200</i>
Sampler: <i>KEB</i>	Date Sampled: <i>11/30/94</i>
Well I.D.: <i>A-1</i>	Well Diameter: (circle one) 2 3 4 6
Total Well Depth: Before _____ After _____	Depth to Water: Before _____ After _____
Depth to Free Product: <i>5.36</i>	Thickness of Free Product (feet): <i>*</i>
Measurements referenced to: PVC Grade Other --	

** UNABLE to gauge / INTERPHASE probe became fouled and was unable to accurately detect water.*

_____ X _____	Specified Volumes	=	_____ gallons
1 Case Volume			

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:
						<i>Bailed 2 gal. of SPH.</i>

Did Well Dewater? *NO.* If yes, gals. Gallons Actually Evacuated: *20*

Sampling Time: *1415*

Sample I.D.: *A-1 Free Product* Laboratory: *Seq.*

Analyzed for: *Material Identification*

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

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941130-E1</u>	Station # 9- <u>0290</u>
Sampler: <u>VEB</u>	Date Sampled: <u>11/30/94</u>
Well I.D.: <u>B-1</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>18.07</u> After	Depth to Water: Before <u>6.01</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>(P)</u> PVC	Grade Other --

<u>1.9</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>5.8</u>
1 Case Volume		Specified Volumes		gallons

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

Sampling: Bailer CHEM. DTSR
Middleburg
Electric Submersible
Suction Pump
Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1309</u>	<u>70.1</u>	<u>7.83</u>	<u>1442</u>		<u>2.0</u>	
<u>1315</u>	<u>67.2</u>	<u>7.26</u>	<u>1845</u>		<u>4.0</u>	
<u>1319</u>	<u>66.6</u>	<u>7.16</u>	<u>1489</u>		<u>6.0</u>	

Did Well Dewater? NO If yes, gals.

Gallons Actually Evacuated: 6.0

Sampling Time: 1335

Sample I.D.: B-1

Laboratory: Seq.

Analyzed for: TDH-G, BTEX / TPH-Diesel / T OIL & GREASE

Duplicate I.D.:

Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations: Best case / Purge w/ Teal Pump / Sample w/ Pin Bailer.

CHEVRON WELL MONITORING DATA SHEET

Project # <u>941130-E1</u>	Station # 9- <u>0290</u>
Sampler: <u>KEB</u>	Date Sampled: <u>11/30/94</u>
Well I.D.: <u>B-5</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>13.14</u> After	Depth to Water: Before <u>4.45</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	Grade Other --

<u>2.2</u>	x	<u>3</u>	=	<u>6.6</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer <u>Ketton</u> Middleburg Electric Submersible Suction Pump Type of Installed Pump _____	Sampling: Bailer <u>CHEV DISP</u> Middleburg Electric Submersible Suction Pump Installed Pump _____
---	---

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1225</u>	<u>73.2</u>	<u>7.91</u>	<u>870</u>		<u>2.5</u>	
<u>1228</u>	<u>70.5</u>	<u>7.64</u>	<u>930</u>		<u>5.0</u>	
<u>1232</u>	<u>70.4</u>	<u>7.52</u>	<u>924</u>		<u>7.0</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 7.0

Sampling Time: 1235

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

Analyzed for: TPH, BTEX, HPH - Diesel

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

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941130-E1</u>	Station # <u>9-0290</u>
Sampler: <u>KEB</u>	Date Sampled: <u>11/30/94</u>
Well I.D.: <u>B6</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>18.92</u> After	Depth to Water: Before <u>5.45</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to:	<u>PVC</u> Grade Other --

<u>2.2</u>	x	<u>3</u>	=	<u>6.6</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer CHEV. DISP.
 Middleburg
 Electric Submersible
 Suction Pump
 Type of Installed Pump

Sampling: Bailer CHEV. DISP.
 Middleburg
 Electric Submersible
 Suction Pump
 Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1152</u>	<u>67.6</u>	<u>7.59</u>	<u>934</u>		<u>2.5</u>	
<u>1156</u>	<u>70.0</u>	<u>7.44</u>	<u>946</u>		<u>5.0</u>	
<u>1200</u>	<u>70.7</u>	<u>7.49</u>	<u>946</u>		<u>7.0</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 7.0

Sampling Time: 1205

Sample I.D.: B6 Laboratory: 609

Analyzed for: TPH, BTEX / TPH-Diesel

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

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941130-E1</u>	Station # 9- <u>0290</u>
Sampler: <u>KEB</u>	Date Sampled: <u>11/30/94</u>
Well I.D.: <u>B-4</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>14.10</u> After	Depth to Water: Before <u>4.58</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	Grade Other --

<u>1.5</u>	x	<u>3</u>	=	<u>4.6</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer elec. disp.
 Middleburg
 Electric Submersible
 Suction Pump
 Type of Installed Pump _____

Sampling: Bailer elec. disp.
 Middleburg
 Electric Submersible
 Suction Pump
 Installed Pump _____

TIME	TEMP. (F)	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1014</u>	<u>66.5</u>	<u>6.96</u>	<u>776</u>		<u>1.5</u>	
<u>1019</u>	<u>67.3</u>	<u>6.56</u>	<u>774</u>		<u>3.0</u>	
<u>1026</u>	<u>68.3</u>	<u>6.85</u>	<u>785</u>		<u>5.0</u>	

Did Well Dewater? NO If yes, gals.

Gallons Actually Evacuated: 5.0

Sampling Time: 1030

Sample I.D.: B-4

Laboratory: Seq.

Analyzed for: TDH6, BTEX / TDH-Diesel

Duplicate I.D.:

Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941130-E1</u>	Station # <u>9-0290</u>
Sampler: <u>KEB</u>	Date Sampled: <u>11/30/94</u>
Well I.D.: <u>B-4</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>14.10</u> After	Depth to Water: Before <u>4.58</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>(PVC)</u> Grade Other --	

<u>1.5</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>4.6</u>
1 Case Volume		Specified Volumes		gallons

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

Sampling: Bailer elec. DISP
 Middleburg
 Electric Submersible
 Suction Pump
 Installed Pump _____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1014</u>	<u>66.5</u>	<u>6.96</u>	<u>476</u>		<u>1.5</u>	
<u>1018</u>	<u>67.3</u>	<u>6.56</u>	<u>474</u>		<u>3.0</u>	
<u>1026</u>	<u>68.3</u>	<u>6.85</u>	<u>485</u>		<u>5.0</u>	

Did Well Dewater? NO If yes, gals.

Gallons Actually Evacuated: 5.0

Sampling Time: 1030

Sample I.D.: B-4

Laboratory: Geq.

Analyzed for: TDH, BTEX / TDH-Diesel

Duplicate I.D.:

Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941130-E1</u>	Station # 9- <u>0290</u>
Sampler: <u>CEB</u>	Date Sampled: <u>11/30/94</u>
Well I.D.: <u>B-9</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>13.96</u> After	Depth to Water: Before <u>4.35</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	Grade Other --

<u>1.5</u>	x	<u>3</u>	=	<u>4.6</u>
1 Case Volume		Specified Volumes		gallons

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

Sampling: Bailer CHEV. DISP.
 Middleburg
 Electric Submersible
 Suction Pump
 Installed Pump

TIME	TEMP. (F)	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1044</u>	<u>65.2</u>	<u>6.89</u>	<u>1324</u>		<u>1.5</u>	
<u>1047</u>	<u>65.9</u>	<u>6.91</u>	<u>1343</u>		<u>3.0</u>	
<u>1055</u>	<u>66.9</u>	<u>7.17</u>	<u>1340</u>		<u>5.0</u>	

Did Well Dewater? NO If yes, gals.

Gallons Actually Evacuated: 5.0

Sampling Time: 1100

Sample I.D.: B-9

Laboratory: Seq

Analyzed for: TPH-6, BTEX / TPH-Diesel

Duplicate I.D.:

Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations: