



Chevron U.S.A. Products Company

2410 Camino Ramon, San Ramon, California • Phone (510) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

November 18, 1992

92 NOV 22 10 01 AM

Mr. Scott Seery
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re : Former Chevron Service Station No. 9-2960
2416 Grove Way, Castro Valley, CA 94546

Dear Mr. Seery :

Enclosed is the quarterly groundwater monitoring and sampling report from Alton Geoscience dated November 12, 1992.

Briefly, total petroleum hydrocarbon as gasoline (TPH-G), benzene, toluene, ethylbenzene, and xylenes (BTEX) were not detected in monitoring wells C-4, C-5, C-6, C-7, and C-8. TPH-G and BTEX were detected in wells C-2 and C-3. Free product was observed and removed from well C-1. Approximately 0.5 gallon of separate phase product was removed during the months of August and September. Depth to water ranged from 16.40 to 20.65 feet.

Alameda County Public Works Agency accepted our new location for the proposed treatment system enclosure. Their decision delayed our installation of the treatment system by 6 weeks. Chevron is now in the process of obtaining an encroachment permit for monitoring wells C-1, C-2, C-3, and proposed extraction well EW-1.

If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

Kenneth Kan
Engineer

LKAN/MacFile 9-2960R9

Enclosure

cc : Mr. Rich Hiatt, RWQCB-S.F. Bay Region
2101 Webster Street, Suite 500, Oakland, CA 94612

Mr. Bob Yule, First Presbyterian Church
2490 Grove Way, Castro Valley, CA 94546

Ms. Bette Owen, Chevron U.S.A. Products Co.



November 12, 1992

Mr. Kenneth Kan
Chevron U.S.A. Products Company
Post Office Box 5004
San Ramon, California 94583-0804

31-0563

Subject: Quarterly Ground Water Monitoring Report
Former Chevron Station No. 9-2960
2416 Grove Way,
Castro Valley, California

Dear Mr. Kan:

In accordance with our agreement, Alton Geoscience transmits this Quarterly Ground Water Monitoring and Sampling Report for Former Chevron Station No. 9-2960, located at 2416 Grove Way, Castro Valley, California. Figure 1 shows the site location.

Monitoring and sampling of the ground water monitoring wells were performed on September 28, 1992, in accordance with the requirements and procedures of the California Regional Water Quality Control Board (RWQCB) and local regulatory agencies.

FIELD PROCEDURES

Prior to purging and sampling the wells, each well was checked for liquid-phase hydrocarbons or sheen. The depth to ground water and, if present, free product in each well was measured from the top of casing using an electronic interface probe with 0.01 foot tolerance.

Ground water analytical samples were collected using a clean bailer after more than 3 casing volumes of ground water were purged from each well. Ground water samples were then decanted into the appropriate clean sample containers for delivery to a California-certified laboratory following proper preservation and chain of custody procedures. Purged ground water was transferred to a 600-gallon, trailer-mounted, steel tank (California Department of Health Services-registered), and delivered as non-hazardous to the Chevron Richmond Terminal for treatment.

Mr. Kenneth Kan
September 28, 1992
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SAMPLING AND ANALYTICAL RESULTS

The results of the monitoring and laboratory analyses of the ground water samples for this quarter, as well as the results of previous monitoring and sampling events, are summarized in Table 1. Based on the previous wellhead elevation survey data and depth to water measurements collected during this monitoring event, ground water elevations and the general ground water gradient direction at this site are presented in Figure 2.

Free product was noted in monitoring well C-1. Approximately a total of 1/2 of gallon of free product was removed by balling or skimming during the months of August and September of 1992. The official laboratory reports and chain of custody records are included in Appendix A.

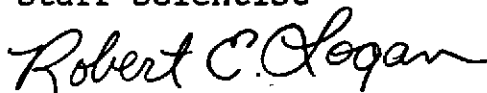
Please call Todd B. Pearson at (510) 734-8134 if you have any questions concerning this report.

Sincerely,

ALTON GEOSCIENCE,

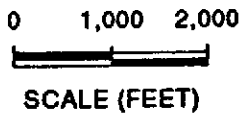
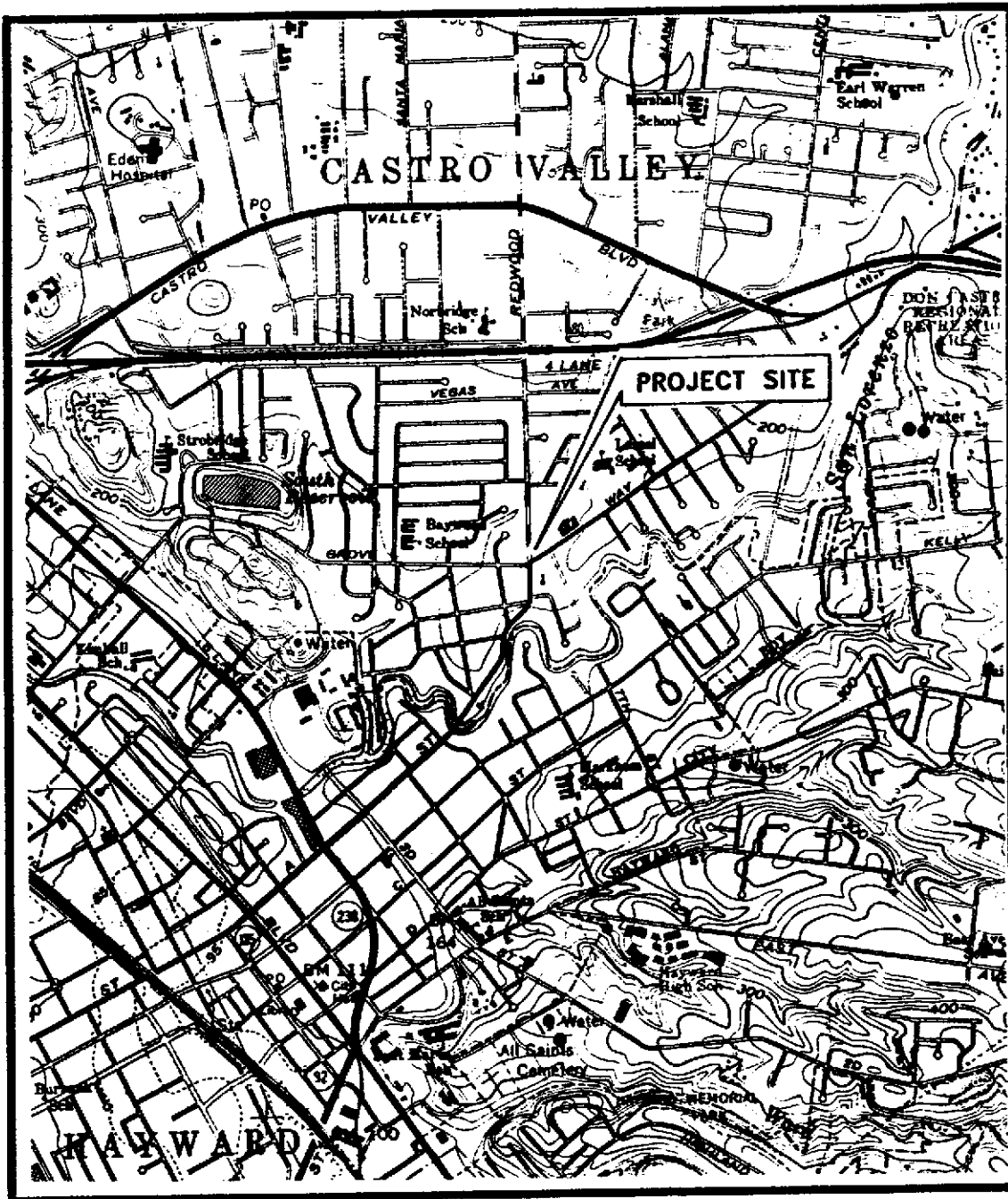


Todd B. Pearson
Staff Scientist



Robert E. Logan R.G. 5088
Manager, Northern California Operations

wp92960tp



Source: U.S.G.S. Map
Hayward Quadrangle
California
7.5 Minute Series

SITE VICINITY MAP





Former Chevron Station No. 9-2960
2416 Grove Way
Castro Valley, California

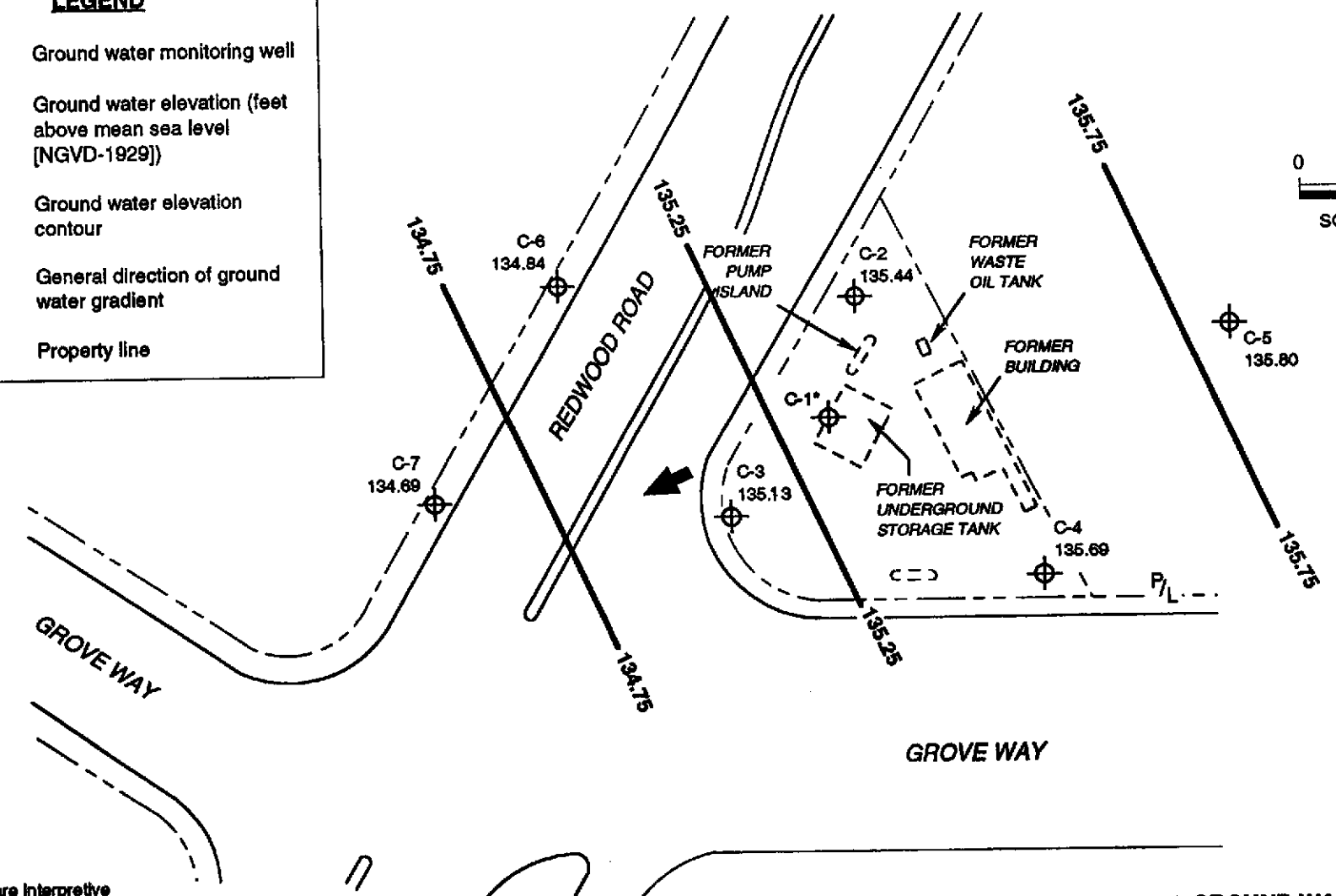
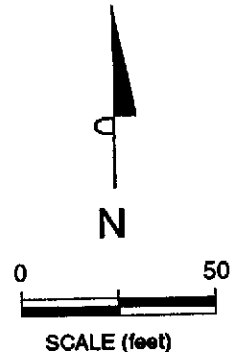
FIGURE 1

ALTON GEOSCIENCE
Pleasanton, California

Project No. 31-0563

LEGEND

-  C-7 Ground water monitoring well
- 134.69 Ground water elevation (feet above mean sea level [NGVD-1929])
-  Ground water elevation contour
-  General direction of ground water gradient
-  P/L Property line



NOTES:
 Contour lines are interpretive based on fluid level measured on September 28, 1992.
 Contour interval = 0.50 foot.
 * = Ground water elevation not determined for monitoring well C-1 (see Table 1).

GROUND WATER ELEVATION CONTOUR MAP
 September 28, 1992

Former Chevron Station No. 9-2960
 2416 Grove Way
 Castro Valley, California



Source: Geostrategies, Inc.

FIGURE 2

Table 1
 Summary of Results of Ground Water Sampling
 Former Chevron Service Station # 9-2960
 2416 Grove Way/Redwood Road, Castro Valley, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/MONITORING	TOP OF WELL BOX ELEVATION	DEPTH TO WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH-G	B	T	E	X	LAB
C-1	10/23/86	---	---	---	---	37000	6400	3700	---	4300	TMA
C-1	09/10/87	---	---	---	---	120000	25000	60000	13000	56000 *	ENS
C-1	10/03/90	153.36	18.67	---	134.69	---	---	---	---	---	NA
C-1	10/25/90	153.36	18.71	0.71	135.22	---	---	---	---	---	NA
C-1	01/22/91	153.36	18.70	0.70	135.22	---	---	---	---	---	NA
C-1	02/21/91	153.36	18.62	0.88	135.44	---	---	---	---	---	NA
C-1	04/01/91	153.36	16.91	0.03	136.47	---	---	---	---	---	NA
C-1	04/11/91	153.36	16.90	0.04	136.49	---	---	---	---	---	NA
C-1	07/01/91	153.36	17.61	0.00	135.75	---	---	---	---	---	NA
C-1	09/24/91	153.36	18.98	0.99	135.17	---	---	---	---	---	NA
C-1	10/23/91	153.36	19.32	1.24	135.03	---	---	---	---	---	NA
C-1	11/22/91	153.36	18.83	0.97	134.53	---	---	---	---	---	NA
C-11	01/09/92	153.36	17.26	---	136.10	---	---	---	---	---	NA
C-11	03/06/92	153.36	16.69	0.61	137.16	---	---	---	---	---	NA
C-11	06/04/92	153.36	17.10	0.22	136.44	---	---	---	---	---	NA
C-111	09/28/92	153.36	18.71	0.77	---	---	---	---	---	---	NA

Table 1
 Summary of Results of Ground Water Sampling
 Former Chevron Service Station # 9-2960
 2416 Grove Way/Redwood Road, Castro Valley, California
 Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEVATION	DEPTH TO WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH-G	B	T	E	X	LAB
C-2	10/23/86	---	---	---	---	30000	2700	1900	---	1500	TMA
C-2	09/10/87	---	---	---	---	14000	2600	2900	500	1200 *	ENS
C-2	10/16/89	---	---	---	---	600	260	34	1.7	41	NA
C-2	01/04/90	---	---	---	---	2600	470	150	23	130	NA
C-2	04/05/90	---	---	---	---	500	280	29	6.3	19	NA
C-2	07/02/90	---	---	---	---	2400	670	110	17	76	NA
C-2	10/03/90	---	---	---	---	---	---	---	---	---	NA
C-2	10/25/90	151.84	16.60	---	135.24	1300	390	47	9	58	SAL
C-2	01/22/91	151.84	16.69	---	135.15	2600	680	88	29	130	SAL
C-2	02/21/91	151.84	16.31	---	135.53	---	---	---	---	---	NA
C-2	04/01/91	151.84	15.08	---	136.76	---	---	---	---	---	NA
C-2	04/11/91	151.84	15.23	---	136.61	---	---	---	---	---	NA
C-2	07/01/91	151.84	15.96	---	135.88	---	---	---	---	---	NA
C-2	09/24/91	151.84	16.51	---	135.33	3600	1400	63	6.9	63	SAL
C-2	10/23/91	151.84	16.66	---	135.18	---	---	---	---	---	NA
C-2	11/22/91	151.84	16.37	---	135.47	---	---	---	---	---	NA
C-2	01/09/92	151.84	15.56	---	136.28	7100	770	740	190	690	SAL
C-2	03/06/92	151.84	14.37	---	137.47	3200	250	230	59	220	SAL
C-2	06/04/92	151.84	15.04	---	136.80	1500	ND<0.5	180	42	130	SAL
C-2	09/28/92	151.84	16.40	---	135.44	6400	940	230	57	220	SAL

Table 1
 Summary of Results of Ground Water Sampling
 Former Chevron Service Station # 9-2960
 2416 Grove Way/Redwood Road, Castro Valley, California
 Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEVATION	DEPTH TO WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH-G	B	T	E	X	LAB
C-3	10/23/86	---	---	---	---	3300	49	24	---	20	TMA
C-3	09/10/87	---	---	---	---	200	110	2.6	ND<2.0	ND<2.0	ENS
C-3	10/16/89	---	---	---	---	900	640	4.2	1.6	16	NA
C-3	01/04/90	---	---	---	---	920	430	7	6	7	NA
C-3	04/05/90	---	---	---	---	930	690	3.4	5.1	4.8	NA
C-3	07/02/90	---	---	---	---	1700	590	11	4.8	9.4	NA
C-3	10/03/90	154.13	19.16	---	134.97	---	---	---	---	---	NA
C-3	10/25/90	154.13	19.28	---	134.85	750	510	2	6	5	SAL
C-3	01/22/91	154.13	19.18	---	134.95	430	260	2	2	5	SAL
C-30	01/22/91	154.13	19.18	---	134.95	400	250	2	2	5	SAL
C-3	02/21/91	154.13	18.88	---	135.25	---	---	---	---	---	NA
C-3	04/01/91	154.13	17.59	---	136.54	---	---	---	---	---	NA
C-3	04/11/91	154.13	17.81	---	136.32	---	---	---	---	---	NA
C-3	07/01/91	154.13	18.56	---	135.57	---	---	---	---	---	NA
C-3	09/24/91	154.13	19.12	---	135.01	260	52	0.7	0.8	2.2	SAL
C-3	10/23/91	154.13	19.24	---	134.89	---	---	---	---	---	NA
C-3	11/22/91	154.13	19.03	---	135.10	---	---	---	---	---	NA
C-3	01/09/92	154.13	18.23	---	135.90	240	120	0.9	ND<0.5	1.6	SAL
C-3	03/06/92	154.13	17.04	---	137.09	230	68	1.2	1.2	1.3	SAL
C-3	06/04/92	154.13	17.79	---	136.34	80	36	0.6	0.5	0.7	SAL
C-3	09/28/92	154.13	19.00	---	135.13	84	49	ND<0.5	ND<0.5	1.5	SAL

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WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEVATION	DEPTH TO WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH-G	B	T	E	X	LAB
C-4	10/23/86	---	---	---	---	570	3	4	---	5	TMA
C-4	09/10/87	---	---	---	---	500	3.0	ND<0.5	ND<0.5	ND<0.5	ENS
C-4	10/16/89	---	---	---	---	ND<500	12	1.0	ND<0.5	0.8	NA
C-4	01/04/90	---	---	---	---	ND<500	5	ND<0.5	ND<0.5	0.9	NA
C-4	04/05/90	---	---	---	---	ND<50	6.6	ND<0.5	ND<0.5	0.7	NA
C-4	07/02/90	---	---	---	---	71	4.1	ND<0.5	ND<0.5	ND<0.5	NA
C-4	10/03/90	---	---	---	---	---	---	---	---	---	NA
C-4	10/25/90	156.00	20.43	---	135.57	ND<50	2	ND<0.5	ND<0.5	ND<0.5	SAL
C-4	01/22/91	156.00	20.50	---	135.50	ND<50	3	ND<0.5	ND<0.5	ND<0.5	SAL
C-4	02/21/91	156.00	20.23	---	135.77	---	---	---	---	---	NA
C-4	04/01/91	156.00	19.03	---	136.97	---	---	---	---	---	NA
C-4	04/11/91	156.00	19.05	---	136.95	---	---	---	---	---	NA
C-4	07/01/91	156.00	19.90	---	136.10	---	---	---	---	---	NA
C-4	09/24/91	156.00	20.41	---	135.59	87 **	1.6	ND<0.5	ND<0.5	ND<0.5	SAL
C-4	10/23/91	156.00	20.53	---	135.47	---	---	---	---	---	NA
C-4	11/22/91	156.00	20.35	---	135.65	---	---	---	---	---	NA
C-4	01/09/92	156.00	19.54	---	136.46	51 ***	4.3	ND<0.5	ND<0.5	ND<0.5	SAL
C-4D	01/09/92	156.00	19.54	---	136.46	ND<50	4.8	ND<0.5	ND<0.5	ND<0.5	SAL
C-4	03/06/92	156.00	18.26	---	137.74	ND<50	0.8	ND<0.5	ND<0.5	ND<0.5	SAL
C-4	06/04/92	156.00	18.92	---	137.08	ND<50	ND<0.5	ND<0.5	ND<0.5	0.7	SAL
C-4	09/28/92	156.00	20.31	---	135.69	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL

Table 1
 Summary of Results of Ground Water Sampling
 Former Chevron Service Station # 9-2960
 2416 Grove Way/Redwood Road, Castro Valley, California
 Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEVATION	DEPTH TO WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH-G	B	T	E	X	LAB
C-5	10/03/90	153.38	17.78	---	135.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-5	10/25/90	153.38	17.92	---	135.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-5	11/09/90	153.38	17.92	---	135.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-5	01/22/91	153.38	17.80	---	135.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-5	02/21/91	153.38	17.51	---	135.87	---	---	---	---	---	NA
C-5	04/01/91	153.38	16.31	---	137.07	---	---	---	---	---	NA
C-5	04/11/91	153.38	16.36	---	137.02	---	---	---	---	---	NA
C-5	07/01/91	153.38	17.12	---	136.26	---	---	---	---	---	NA
C-5	09/24/91	153.38	17.70	---	135.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-50	09/24/91	153.38	17.70	---	135.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-5	10/23/91	153.38	17.82	---	135.56	---	---	---	---	---	NA
C-5	11/22/91	153.38	17.61	---	135.77	---	---	---	---	---	NA
C-5	01/09/92	153.38	17.04	---	136.34	ND<50	ND<0.5	0.7	ND<0.5	ND<0.5	SAL
C-5	03/06/92	153.38	15.76	---	137.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-5	06/04/92	153.38	16.40	---	136.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-5	09/28/92	153.38	17.58	---	135.80	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	10/03/90	152.84	18.14	---	134.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	10/25/90	152.84	18.29	---	134.55	ND<50	ND<0.5	1	ND<0.5	ND<0.5	SAL
C-6	11/09/90	152.84	18.26	---	134.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	01/22/91	152.84	18.15	---	134.69	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	02/21/91	152.84	17.92	---	134.92	---	---	---	---	---	NA
C-6	04/01/91	152.84	17.11	---	135.73	---	---	---	---	---	NA
C-6	04/11/91	152.84	17.01	---	135.83	---	---	---	---	---	NA
C-6	07/01/91	152.84	17.72	---	135.12	---	---	---	---	---	NA
C-6	09/24/91	152.84	18.12	---	134.72	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	10/23/91	152.84	18.25	---	134.59	---	---	---	---	---	NA
C-6	11/22/91	152.84	18.05	---	134.79	---	---	---	---	---	NA
C-6	01/09/92	152.84	17.42	---	135.42	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	03/06/92	152.84	16.51	---	136.33	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	06/04/92	152.84	17.01	---	135.83	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	09/28/92	152.84	18.00	---	134.84	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL

Table 1
 Summary of Results of Ground Water Sampling
 Former Chevron Service Station # 9-2960
 2416 Grove Way/Redwood Road, Castro Valley, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEVATION	DEPTH TO WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH-G	B	T	E	X	LAB
C-7	10/03/90	155.34	20.82	---	134.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-7	10/25/90	155.34	20.91	---	134.43	ND<50	ND<0.5	1	ND<0.5	ND<0.5	SAL
C-7	11/09/90	155.34	20.94	---	134.40	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-7	01/22/91	155.34	21.50	---	133.84	ND<50	4	ND<0.5	ND<0.5	ND<0.5	SAL
C-7	02/21/91	155.34	20.71	---	134.63	---	---	---	---	---	NA
C-7	04/01/91	155.34	20.00	---	135.34	---	---	---	---	---	NA
C-7	04/11/91	155.34	20.05	---	135.29	---	---	---	---	---	NA
C-7	07/01/91	155.34	20.52	---	134.82	---	---	---	---	---	NA
C-7	09/24/91	155.34	20.82	---	134.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-7	10/23/91	155.34	20.91	---	134.43	---	---	---	---	---	NA
C-7	11/22/91	155.34	20.79	---	134.55	---	---	---	---	---	NA
C-7	01/09/92	155.34	20.16	---	135.18	ND<50	ND<0.5	ND<0.5	ND<0.5	0.9	SAL
C-7	03/06/92	155.34	19.42	---	135.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-7	06/04/92	155.34	19.81	---	135.53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-7	09/28/92	155.34	20.65	---	134.69	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	10/03/90	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	10/25/90	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	11/09/90	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	01/22/91	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	09/24/91	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	01/09/92	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	03/06/92	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	06/04/92	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	09/28/92	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL

Table 1
 Summary of Results of Ground Water Sampling
 Former Chevron Service Station # 9-2960
 2416 Grove Way/Redwood Road, Castro Valley, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/MONITORING	TOP OF WELL BOX ELEVATION	DEPTH TO WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH-G	B	T	E	X	LAB
RINSATE	09/10/87	NA	NA	NA	NA	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ENS
RINSATE	10/25/90	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
RINSATE	09/24/90	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
RINSATE	01/09/92	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
RINSATE	03/06/92	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
RINSATE	06/04/92	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
RINSATE	09/28/92	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL

EXPLANATION OF ABBREVIATIONS:

TPH-G :Total Petroleum Hydrocarbons as Gasoline
 (EPA method 8015 modified)
 B :Benzene (EPA method 8020 or 8240)
 T :Toluene (EPA method 8020 or 8240)
 E :Ethylbenzene (EPA method 8020 or 8240)
 X :Xylenes (EPA method 8020 or 8240)
 TB :Trip Blank
 D :Duplicate

--- :Not analyzed/Not measured
 NA :Not applicable/Not available
 TMA :Thermo Analytical Inc.
 ENS :Enseco
 SAL :Superior Analytical Laboratory
 * :Concentration for m-Xylene only.
 ** :Non-standard gasoline pattern observed
 in chromatogram.
 *** :The chromatogram shows only a single peak
 in the gasoline range.
 | :Not sampled due to observed sheen.
 || :Ground water elevation not determined for
 well C-1 due to free product thickness >.20

Note: Top of casing and ground water elevations are expressed as feet above mean sea level (NGVD - 1929)

APPENDIX A
OFFICIAL LABORATORY RESULTS
AND
CHAIN OF CUSTODY FORMS



Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

Alton Geoscience
Attn: TODD PEARSON

Project 31-0563
Reported 10/11/92

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
13538- 1	TB-LB	09/28/92	10/05/92 Water
13538- 2	RINSATE	09/28/92	10/05/92 Water
13538- 3	C-5	09/28/92	10/07/92 Water
13538- 4	C-6	09/28/92	10/05/92 Water
13538- 5	C-4	09/28/92	10/05/92 Water
13538- 6	C-7	09/28/92	10/05/92 Water
13538- 7	C-3	09/28/92	10/05/92 Water
13538- 8	C-2	09/28/92	10/09/92 Water

RESULTS OF ANALYSIS

Laboratory Number: 13538- 1 13538- 2 13538- 3 13538- 4 13538- 5

Gasoline:	ND<50	ND<50	ND<50	ND<50	ND<50
Benzene:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Toluene:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Ethyl Benzene:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Xylenes:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5

Concentration: ug/L ug/L ug/L ug/L ug/L

Laboratory Number: 13538- 6 13538- 7 13538- 8

Gasoline:	ND<50	84	6400
Benzene:	ND<0.5	49	940
Toluene:	ND<0.5	ND<0.5	230
Ethyl Benzene:	ND<0.5	ND<0.5	57
Xylenes:	ND<0.5	1.5	220

Concentration: ug/L ug/L ug/L



C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2
QA/QC INFORMATION
SET: 13538

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
ug/L = parts per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Water: 5000ug/L

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Water: 50ug/L

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Water: 50ug/L

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Water: 0.5ug/L

ANALYTE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	200 ng	86/86	0%	76-111
Benzene:	200 ng	94/91	3%	78-110
Toluene:	200 ng	94/91	3%	78-111
Ethyl Benzene:	200 ng	95/91	4%	78-118
Xylenes:	600 ng	95/91	4%	73-113

Richard Srna Ph.D.
[Signature]
Laboratory Director
10/12/92

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

13538

Chain-of-Custody-Record

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

Chevron Facility Number 9-2960
Facility Address 2416 GROVE WAY, CASTRO VALLEY
Consultant Project Number 31-0563
Consultant Name ALTON Geoscience
Address 5870 Stoneridge Dr., SR. 6 Pleasanton
Project Contact (Name) Todo Pearson
(Phone) 510-734-8134 (Fax Number) 734-8420

Chevron Contact (Name) Ken Kan
(Phone) 510-842-9500
Laboratory Name SAL OCT 14 1992
Laboratory Release Number 2512110
Samples Collected by (Name) Andrew Black
Collection Date 9-29-92
Signature [Signature]

Sample Number	Lab Sample Number	Number of Containers	Media: S = Soil, W = Water, C = Charcoal	Type: G = Grab, C = Composite, D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analytes To Be Performed											Remarks						
								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)										
TB-LB		1	W	G		HCL	Yes	X															DO NOT Bill for TB-LB Sample		
RIN		1	W	G		HCL	Y	X																	
C-5		2	W	G	1723	HCL	Y	X																	
C-6		2	W	G	1636	HCL	Y	X																	
C-4		2	W	G	1743	HCL	Y	X																	
C-7		2	W	G	1628	HCL	Y	X																	
C-3		2	W	G	1800	HCL	Y	X																	
C-2		2	W	G	1811	HCL	Y	X																	

Please Initial: [Initials]
 Samples Stored in Ice. [Initials]
 Appropriate containers. [Initials]
 Samples preserved. [Initials]
 VOA's without headspace. [Initials]
 Comments: _____

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>ALTON</u>	Date/Time <u>9/29/92</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Ken Kan</u>	Date/Time <u>9/29/1992</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days <u>10 Days</u> As Contracted
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>Ken Kan</u>	Date/Time <u>9/29/1992</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Ken Kan</u>	Date/Time <u>9/29/1992</u>	
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>Ken Kan</u>	Date/Time <u>9/29/1992</u>	Received For Laboratory By (Signature) <u>[Signature]</u>	Date/Time <u>9/29/92 1350</u>		

COC-3.DWG/Q3 8/1/HCH