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June 1, 1998

Chevron Products Company 6001 Bollinger Canyon Road Building L

San Ramon, CA 94583 P.O. Box 6004 San Ramon, CA 94583-0904

Marketing – Sales West Phone 510 842-9500

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

Re: Former Chevron Service Station #9-0329

340 Highland Avenue Piedmont, California

Dear Ms. Evans:

Enclosed is the Water Well and Surface Water Survey that was conducted by our consultant Pacific Environmental Group Inc., for the above noted site. This survey was requested in your letter of March 18, 1998, and was for an area within ¼ mile of the site.

The water well survey conducted at the Department of Water Resources determined that four domestic and four irrigation wells are located within the surveyed area. Four of these wells are located southerly and down gradient of the site.

The closest down gradient well to the site is the City of Piedmont well #4, which is used for irrigation. This well is located approximately 0.11 miles (580 feet) south of the site. The well is screened from 150 to 170 feet and 190 to 210 feet below ground surface. The closest site monitoring wells MW-5 and MW-6 to City well #4 are screened from about 2 ½ to 18 feet and are in a high recharge acquifer near the surface (<5 feet). The soil lithology for these wells below the 5-foot level, is siltstone and sandstone, which would act as a confining barrier between the lower acquifer (copy of well logs enclosed).

The other three down gradient wells #7, #6 and #5 are located 0.17 miles (897 feet), 0.19 miles (1003 feet) and 0.19 miles (1003 feet) respectively south of the site. Well #7 is used for irrigation and is screened from 55 to 275 feet. Well #6 is used for irrigation and is screened from 57 to 157 feet. Well #5 is used for domestic water supply and is screened from 40 to 100 feet.

June 1, 1998 Ms. Pamela Evans Former Chevron Service Station #9-0329 Page 2

None of the down gradient wells are screened in the upper acquifer and with the confining siltstone/sandstone barrier between the upper and lower acquifers, it would not be expected that the down gradient wells would be impacted from the hydrocarbons that have been detected at the site.

If you have any questions or comments please all me at (510) 842-9136.

Sincerely,

CHEVRON PRODUCTS, COMPANY

Philip R. Briggs

Site Assessment and Remediation Project Manager

Enclosure

Cc. Mr. Chuck Headlee RWQCB-San Francisco Bay Region 2101 Webster Street, Suite 500 Oakland, CA 94612

> Mr. Frank Hoffman Hoffman Investment Company 1760 Willow Road Hillsborough, CA 94010

Mir Ghafari & Fred Manoucheri Piedmont Enterprises 340 Highland Avenue Piedmont, CA 94611

Ms. Bette Owen, Chevron

Ms. Anne Payne, Chevron, ChvPkv/V-1156



AN TOMPANY

May 29, 1998 Project 320-160.1B

Mr. Phil Briggs Chevron Products Company P.O. Box 6004 San Ramon, California 94583-804

Re: Water Well and Surface Water Survey Chevron Service Station 9-0329 340 Highland Avenue at Vista Avenue Piedmont, California

Dear Mr. Briggs:

The water well survey conducted at the Department of Water Resources for the site referenced above (Figure 1) determined that four domestic water-supply wells, and four irrigation wells are located within 1/4 mile of the site. Available well details are presented in Table 1 and brief descriptions of these wells follows:

- The domestic water-supply wells are owned by individuals for use at their private residences. The nearest domestic well to the site is Well #2 (19P4) located approximately 0.17 miles west-southwest of the site.
- Three of the irrigation wells are owned by individuals, the closest of which, Well #7 (19Q) is approximately 0.17 miles southeast of the site.
- The City of Piedmont well (Well #4, 19Q2) used for irrigation, is the closest well to the site at 0.11 miles to the south. The well is screened from 150 to 170 feet and 190 to 210 feet below ground surface.
 Further well construction details are not currently known.

The surface water survey identified only one creek within a 1/4-mile radius of the site. A small intermittent creek flows through Piedmont Park and is located approximately 360 feet southeast of the site.

Groundwater gradient at the site has been generally to the southwest. Therefore, the City of Piedmont irrigation well #4 and the intermittent creek located in Piedmont Park are the closest downgradient receptors. Elevated concentrations of methyl tert-butyl ether have been identified in on-site Well C-2. Wells C-5, C-6 should continue to be monitored to evaluate plume status (Figure 2).

If you have any questions or require further information, please call.

Sincerely,

Pacific Environmental Group, Inc.

Ross Tinline

Project Geologist

RG 5860

Attachments: Table 1

- Summary of Water Wells

Figure 1

- Site Location Map

Figure 2 - Site Map

Table 1 Summary of Water Well's Located Within 1/4-Mile Radius of

Chevron Service Station 9-0329 340 Highland Avenue at Vista Avenue Piedmont, California

				Well	Total	Screened	Distance
Well	Location	Well	Date	Diameter	Depth	Interval	From Site
ID Section	n (if listed in DWR records)	Use	Dritled	(inches)	(feet, bgs)	(feet, bgs)	(miles)
1 19P3	304 Hillside Near Oakland	Domestic	1977	6	220	NA NA	0.20 NW
2 19P4	321 Hillside at Vista	Domestic	02/04/91	5	161	54-74	0.17 WSW
3 19Q1	781 Highland	Domestic	5/14/77	6	200	NA NA	0.23 SE
4 1902	Piedmont Park	Irrigation	8/77	6	250	150-170, 190-210	0.11 S
5 19Q3	141 Hazel Lane	Domestic	5/17/88	4.5	100	40-100	0,19 \$
************					91000 Head occurrences on		
6 19Q4	55 Hazel Lane near Highland Avenue	Irrigation	9/19/88	4.5	157	57-157	0.19 SE
7 19Q	120 Hazel Lane	Irrigation	11/3/92	4,5	300	55-275	0.17 SE
							910009000000000000000000000000000000000
8 19R1	321 Mountain between Mountain and Sharon	irrigation	6/23/88	4.5	220	80-180	0.23 E
				01080 (80 87 8 88 0).			
bgs = Below grou	und surface						<u> manan kanca kabibi Nyang</u>
NA = Not availal							





QUADRANGLE LOCATION

<u>LEGEND</u>

¹ ▲ WATER SUPPLY WELL LOCATION AND DESIGNATION

REFERENCES:

USGS 7.5 MIN. TOPOGRAPHIC MAP TITLED: OAKLAND EAST, CALIFORNIA DATED: 1959 REVISED: 1980





PACIFIC ENVIRONMENTAL GROUP, INC.

CHEVRON SERVICE STATION 9-0329

340 Highland Avenue at Vista Avenue Piedmont, California

SITE LOCATION MAP

FIGURE:

PROJECT: 320-160.16





