Chevron

Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing Department
Phone 510 842 9500

April 6, 1994

Ms. Eva Chu
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re : Former Chevron Service Station No. 9-7127
Highway I-580 and Grantline Rd.
Tracy, California

Dear Ms. Chu :

All monitoring wells with the exception of MW-5 detected dissolved hydrocarbons.

Chevron will continue to monitor and sample the wells on a quarterly basis.

Please refer to the enclosed report from Sierra Environmental Services dated March 25, 1994 for more information. 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 9-7127R8

Enclosure

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

William S. Carnazzo, M.D., Carnazzo Land Company, Inc.
P.O. Box 6031, Atascadero, CA 93423

Mr. & Mrs. Joe Jess, Jess Ranch
Route 5, Box 704-A, Tracy, CA 95376

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

SIERRA
Environmental Services

March 25, 1994

Kenneth Kan
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: Former Chevron Service Station #9-7127
Interstate 580 at Grant Line Road
Altamont Pass, California
SES Project #1-369-04

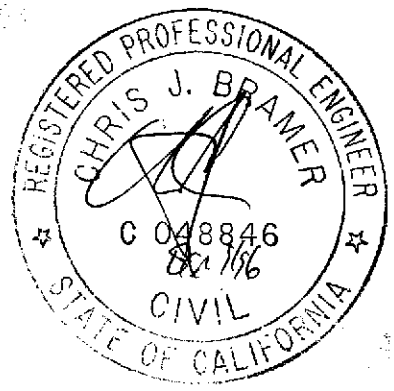
Dear Mr. Kan:

This report presents the results of the quarterly ground water sampling at former Chevron Service Station #9-7127, located at Interstate 580 at Grant Line Road, Altamont Pass Area, California. Five wells, MW-1 through MW-5, were sampled (Figure 1).

On February 15, 1994, SES personnel visited the site. Water level measurements were collected in all site wells and all wells were checked for the presence of free-phase hydrocarbons. Free-phase hydrocarbons were not present in any of the site wells. Water level data are shown in Table 1 and ground water elevation contours are included on Figure 1.

The ground water samples were collected on February 15, 1994 in accordance with SES Standard Operating Procedure - Ground Water Sampling (attached). All analyses were performed by GTEL of Concord, California. Analytic results for ground water are presented in Table 2. The chain of custody document and laboratory analytic reports are attached. SES is not responsible for laboratory omissions or errors.

Thank you for allowing us to provide services to Chevron. Please call if you have any questions.



Sincerely,
Sierra Environmental Services

Argy Mena
Staff Geologist

Chris J. Bramer
Professional Engineer #C48846

AJM/CJB/wmc
36904QM.MR4

Attachments Figure
Tables
SES Standard Operating Procedure
Chain of Custody Document and Laboratory Analytic Reports

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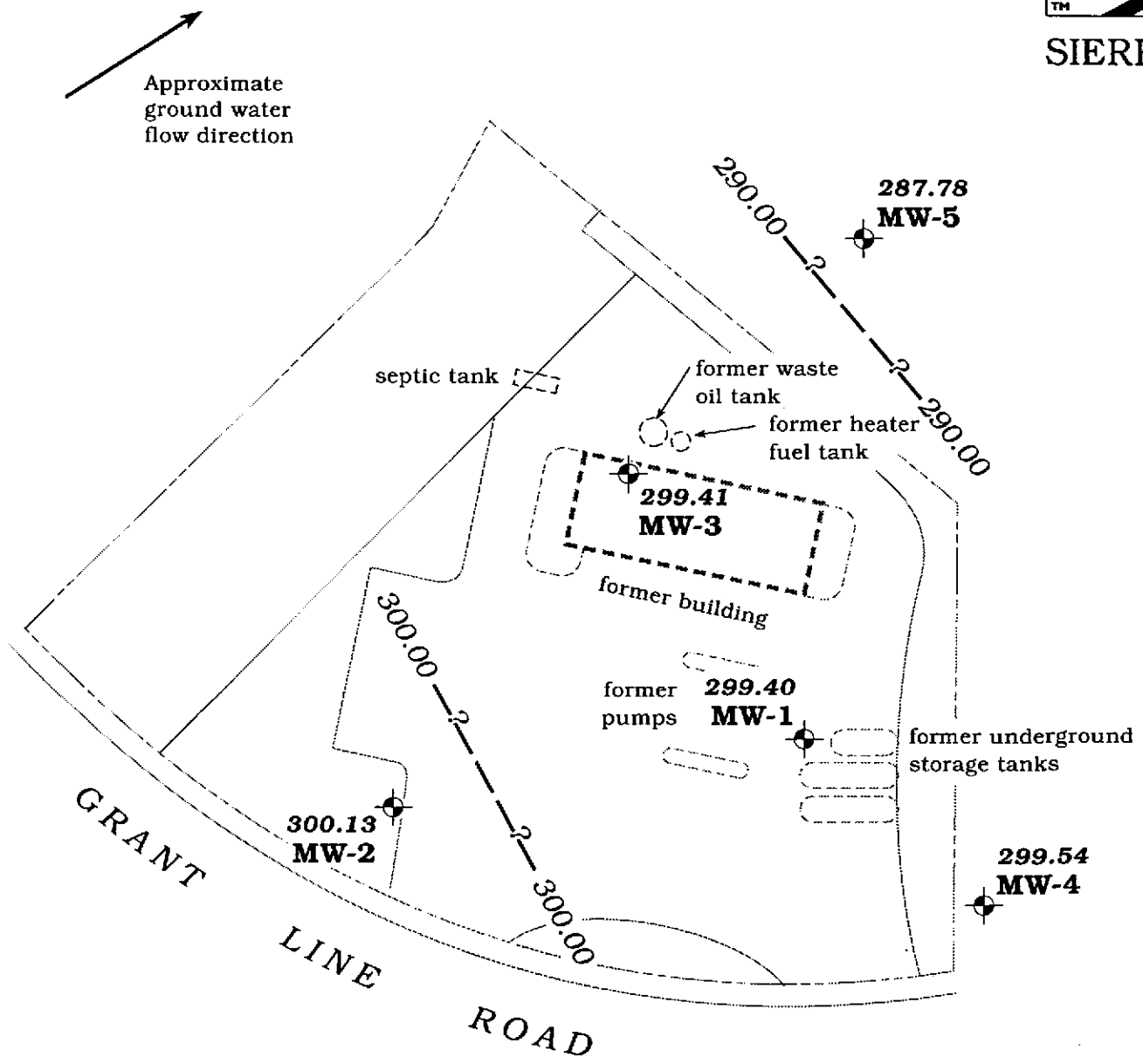

EXPLANATION

MW-5	Monitoring well
300.13	Ground water elevation, in feet
290.00	Ground water elevation contour, dashed where inferred, queried where uncertain

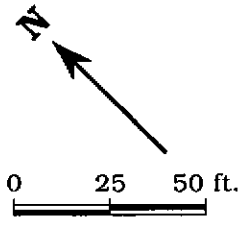

Figure 1. Monitoring Well Locations and Ground Water Elevation Contour Map - February 15, 1994 - Former Chevron Service Station #9-7127, Interstate 580 and Grant Line Road, Altamont Pass, California

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Table 1. Water Level Data and Well Construction Details - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Altamont Pass Area, California

Well ID	Date Measured	DTW (ft)	TOC (ft)	GWE (msl)	Product Thickness* (ft)	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
						<----------*feet below grade*---------->		
MW-1	**2/15/94**	**29.77**	329.17	**299.40**	**0**	---	---	---
MW-2	**2/15/94**	**27.09**	327.22	**300.13**	**0**	---	---	---
MW-3	**2/15/94**	**29.87**	329.28	**299.41**	**0**	---	---	---
MW-4	**2/15/94**	**29.90**	329.44	**299.54**	**0**	22 - 37	20 - 37	0 - 20
MW-5	**2/15/94**	**25.10**	312.88	**287.78**	**0**	5 - 25	4 - 25	0 - 4

EXPLANATION:

DTW = Depth to water
TOC = Top of casing elevation
GWE = Ground water elevation
msl = Measurements referenced relative to mean sea level
--- = Not available/not applicable

NOTES:

All top of casing elevations were surveyed by Tronoff Land Surveying, Davis, California on November 2, 1993.

* Product thickness was measured on and after February 15, 1994 with an MMC flexi-dip interface probe.

Well construction details for MW-1 through MW-3 not available for inclusion in this report.

Well construction details for MW-4 and MW-5 taken from the Well Installation Report prepared for Chevron by Pacific Environmental Group, Inc., December 3, 1993.

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Table 2. Analytic Results for Ground Water - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Altamont Pass Area, California

Well ID	Date Sampled	Analytic Lab	Analytic Method	TPPH(G)	B	T	E	X
				<----------ppb---------->				
MW-1	**2/15/94**	**GTEL**	**8015/8020**	**99,000**	**20,000**	**24,000**	**2,000**	**9,800**
MW-2	**2/15/94**	**GTEL**	**8015/8020**	**83**	**21**	**6**	**1**	**3**
MW-3	**2/15/94**	**GTEL**	**8015/8020**	**23,000**	**11,000**	**1,700**	**540**	**1,000**
MW-4	5/21/93	GTEL	8015/8020	<50	12	2	<0.5	1
	11/5/93	GTEL	8015/8020	300	56	10	0.8	3
	2/15/94	**GTEL**	**8015/8020**	**260**	**47**	**12**	**2**	**4**
MW-5	5/25/93	GTEL	8015/8020	<50	<0.5	<0.5	<0.5	0.9
	11/5/93	GTEL	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	2/15/94	**GTEL**	**8015/8020**	**<50**	**<0.5**	**1**	**<0.5**	**1**
Trip Blank TB-LB	**2/15/94**	**GTEL**	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Bailer Blank BB	**2/15/94**	**GTEL**	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

EXPLANATION:

TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
ppb = Parts per billion
--- = Not analyzed/Not applicable

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
8020 = EPA Method 8020 for BTEX

ANALYTIC LABORATORIES:

GTEL = Groundwater Technology Environmental Laboratories, Inc., Concord California

NOTES:

Analytic data prior to February 15,1994 compiled from the Well Installation Report prepared for Chevron by Pacific Environmental Group, Inc., December 3, 1993.

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SES STANDARD OPERATING PROCEDURE
GROUND WATER SAMPLING

The following describes sampling procedures used by SES field personnel to collect and handle ground water samples. Before samples are collected, careful consideration is given to the type of analysis to be performed so that precautions are taken to prevent loss of volatile components or contamination of the sample, and to preserve the sample for subsequent analysis. Wells will be sampled no less than 24 hours after well development. Collection methods specific to ground water sampling are presented below.

Prior to sampling, each well is checked for the presence of free-phase hydrocarbons using an MMC flexi-dip interface probe. Product thickness (measured to the nearest 0.01 foot) is noted on the sampling form. Water level measurements are also made using either a water level meter or the interface probe. The water level measurements are also noted on the sampling form.

Prior to sampling, each well is purged of a minimum of three well casing volumes of water using a steam-cleaned PVC bailer, or a pre-cleaned pump. Temperature, pH and electrical conductivity are measured at least three times during purging. Purging is continued until these parameters have stabilized (i.e., changes in temperature, pH or conductivity do not exceed ±0.5°F, 0.1 or 5%, respectively).

The purge water is taken to Chevron's Richmond Refinery for disposal.

Ground water samples are collected from the wells with steam-cleaned Teflon bailers. The water samples are decanted into the appropriate container for the analysis to be performed. Pre-preserved sample containers may be used or the analytic laboratory may add preservative to the sample upon arrival. Duplicate samples are collected from each well as a back-up sample and/or to provide quality control. The samples are labeled to include the project number, sample ID, date, preservative, and the field person's initials. The samples are placed in polyethylene bags and in an ice chest (maintained at 4°C) for transport under chain of custody to the laboratory.

The chain of custody form includes the project number, analysis requested, sample ID, date analysis and the SES field person's name. The form is signed and dated (with the transfer time) by each person who yields or receives the samples beginning with the field personnel and ending with the laboratory personnel.

A trip blank and bailer blank accompanies each sampling set, or 5% trip blanks and 5% bailer blanks are included for sets of greater than 20 samples. The bailer blank is prepared by pouring previously boiled water into a steam-cleaned Teflon bailer prior to sampling a well. The trip and bailer blanks are analyzed for some or all of the same compounds as the ground water samples.

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

4080 Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
(800) 423-7143 Outside CA
(510) 825-0720 FAX

Client Number: SIE01CHV08
Consultant Project Number: 1-369-04
Facility Number: 9-7127
Project ID: I-580 at Grant Line Road
Mountain House, CA
Work Order Number: C4-02-0258

February 22, 1994

Ed Morales
Sierra Environmental Services
P.O. Box 2546
Martinez, CA 94553

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 02/16/94.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
Laboratory Director

Client Number: SIE01CHV08
Consultant Project Number: 1-369-04
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Mountain House, CA
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Table 1

ANALYTICAL RESULTS

Aromatic Volatile Organics and

Total Petroleum Hydrocarbons as Gasoline in Water

EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		01	02	03	04
Client Identification		TBLB	BB	MW2	MW3
Date Sampled		02/15/94	02/15/94	02/15/94	02/15/94
Date Analyzed		02/17/94	02/17/94	02/17/94	02/18/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	<0.5	<0.5	21	11000
Toluene	0.5	<0.5	<0.5	6	1700
Ethylbenzene	0.5	<0.5	<0.5	1	540
Xylene, total	0.5	<0.5	<0.5	3	1000
TPH as Gasoline	50	<50	<50	83	23000
Detection Limit Multiplier		1	1	1	100
BFB surrogate, % recovery		105	105	105	101

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Bromofluorobenzene surrogate recovery acceptability limits are 70-130%.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: SIE01CHV08
Consultant Project Number: 1-369-04
Facility Number: 9-7127
Project ID: I-580 at Grant Line Road
Mountain House, CA
Work Order Number: C4-02-0258

Table 1 (continued)

ANALYTICAL RESULTS

Aromatic Volatile Organics and

Total Petroleum Hydrocarbons as Gasoline in Water

EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		05	06	07	021794Q
Client Identification		MW4	MM5	MW1	METHOD BLANK
Date Sampled		02/15/94	02/15/94	02/15/94	–
Date Analyzed		02/17/94	02/16/94	02/18/94	02/17/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	47	<0.5	20000	<0.5
Toluene	0.5	12	1	24000	<0.5
Ethylbenzene	0.5	2	<0.5	2000	<0.5
Xylene, total	0.5	4	1	9800	<0.5
TPH as Gasoline	50	260	<50	99000	<50
Detection Limit Multiplier		1	1	200	1
BFB surrogate, % recovery		106	87.8	102	103

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Bromofluorobenzene surrogate recovery acceptability limits are 70-130%.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: SIE01CHV08
Consultant Project Number: 1-369-04
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Mountain House, CA
Work Order Number: C4-02-0258

QC Matrix Spike and Duplicate Spike Results

Matrix: Water

Analyte	Sample ID	Spike Amount	Units	Recovery, %	Duplicate Recovery, %	RPD, %	Control Limits
Modified EPA 8020:							
Benzene	C4020241-5	20.0	ug/L	96.5	96.5	0	57.3 - 138
Toluene	C4020241-5	20.0	ug/L	93.5	93.5	0	63.0 - 134
Ethylbenzene	C4020241-5	20.0	ug/L	92.0	92.0	0	59.3 - 137
Xylene, total	C4020241-5	60.0	ug/L	92.5	90.8	1.9	59.3 - 144

GTEL ENVIRONMENTAL LABORATORIES, INC.