



October 7, 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. Four wells, MW-2 through MW-5, were sampled (Figure 1).

On June 28, July 19, and September 2, 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 present in one of the site wells, MW-1.** Water level data are shown in Table 1 and ground water elevation contours are included on Figures 1, 2, and 3.

The ground water samples were collected on September 2, 1994 in accordance with SES Standard Operating Procedure - Ground Water Sampling (attached). The field water sampling forms for this event are included. All analyses were performed by GTEL of Concord, California. Analytic results for ground water are presented in Table 1. 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

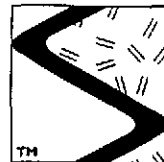
Arge Leyton
Staff Geologist

Chris J. Bramer
Professional Engineer #C48846

AML/CJB/lmo
36904QM,SE4

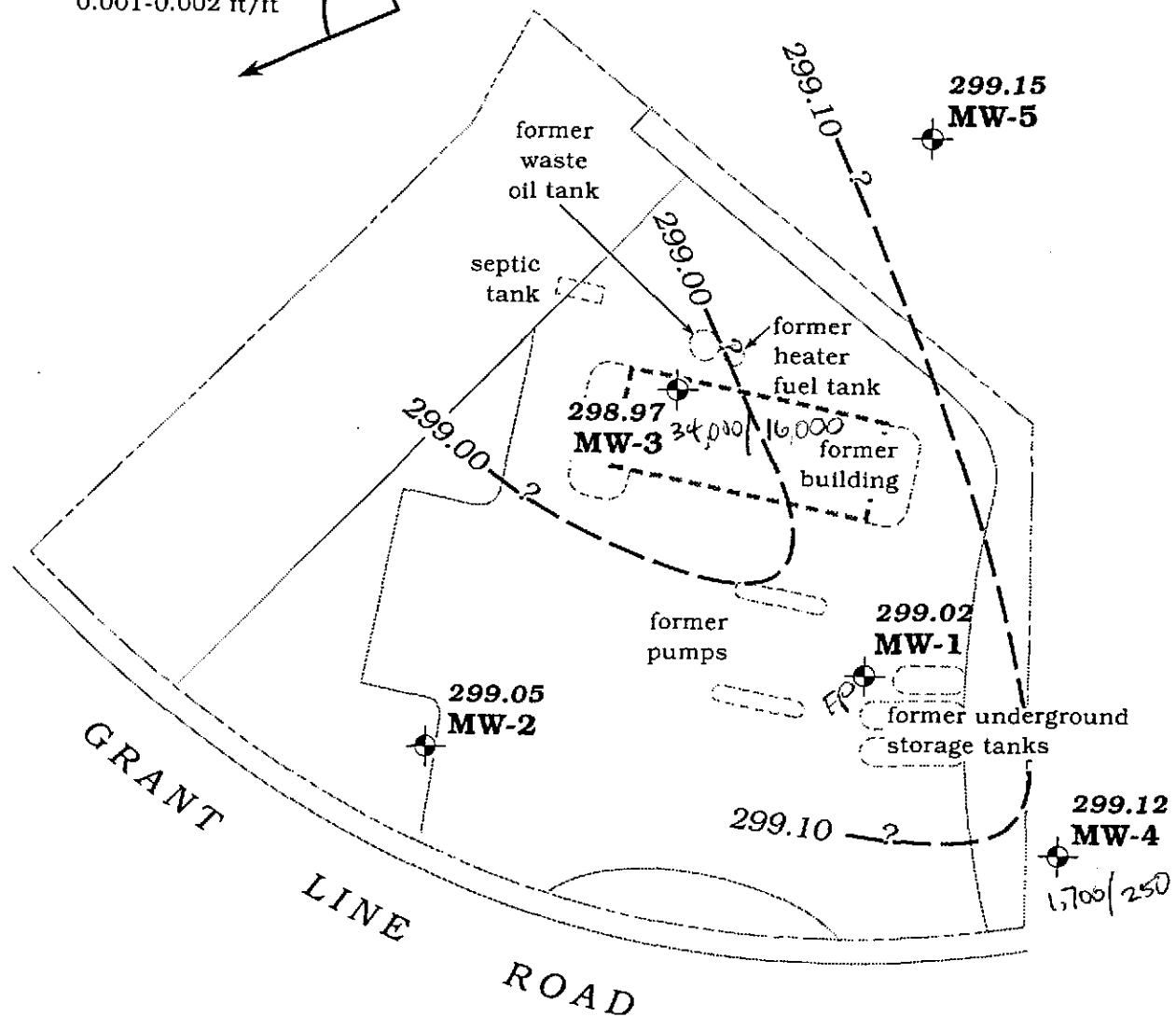
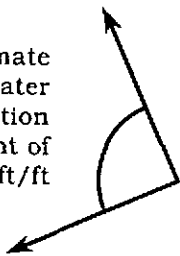
cc: Sheldon Nelson, CRTC

- Attachments
- Figures
- Table
- SES Standard Operating Procedure
- Field Water Sampling Forms
- Chain of Custody Document and Laboratory Analytic Reports





SIERRA

Approximate ground water flow direction at a gradient of 0.001-0.002 ft/ft



EXPLANATION

-  **MW-5** Monitoring well
- 299.15** Ground water elevation, in feet
-  **299.10** Ground water elevation contour, dashed where inferred, queried where uncertain

ppb TPH-G/Benzene

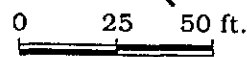
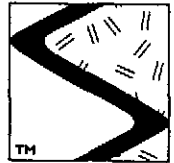
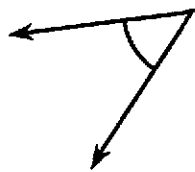


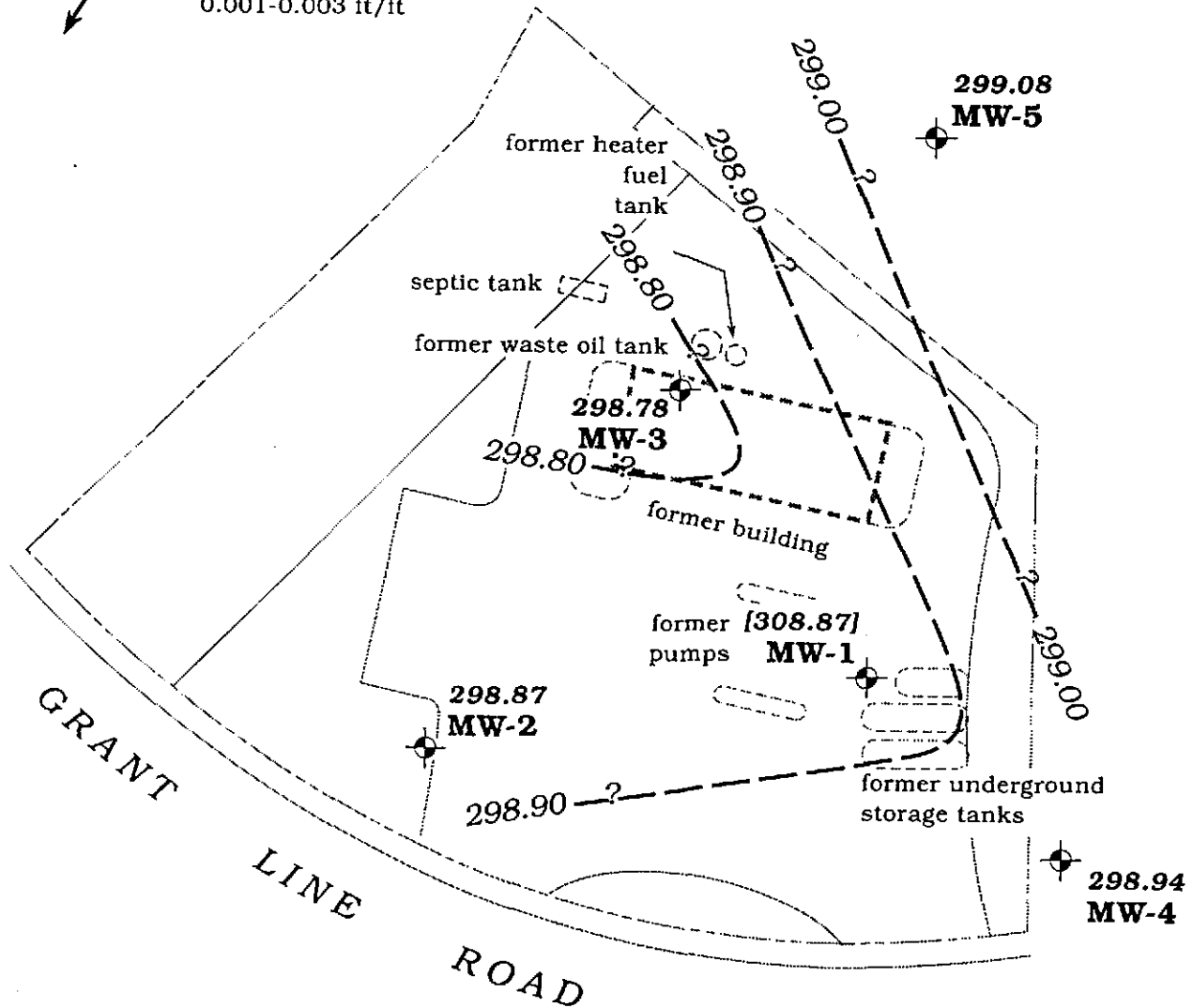
Figure 1. Monitoring Well Locations and Ground Water Elevation Contour Map - June 28, 1994 - Former Chevron Service Station #9-7127, Interstate 580 and Grant Line Road, Altamont Pass, California





SIERRA



Approximate ground water flow direction at a gradient of 0.001-0.003 ft/ft



EXPLANATION

-  **MW-5** Monitoring well
- 299.08** Ground water elevation, in feet
- [308.87]** Ground water elevation not used in contouring
-  **298.90** Ground water elevation contour, dashed where inferred, queried where uncertain

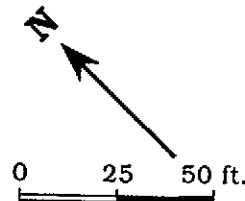
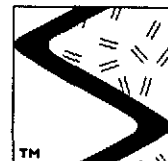
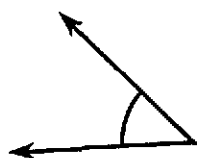


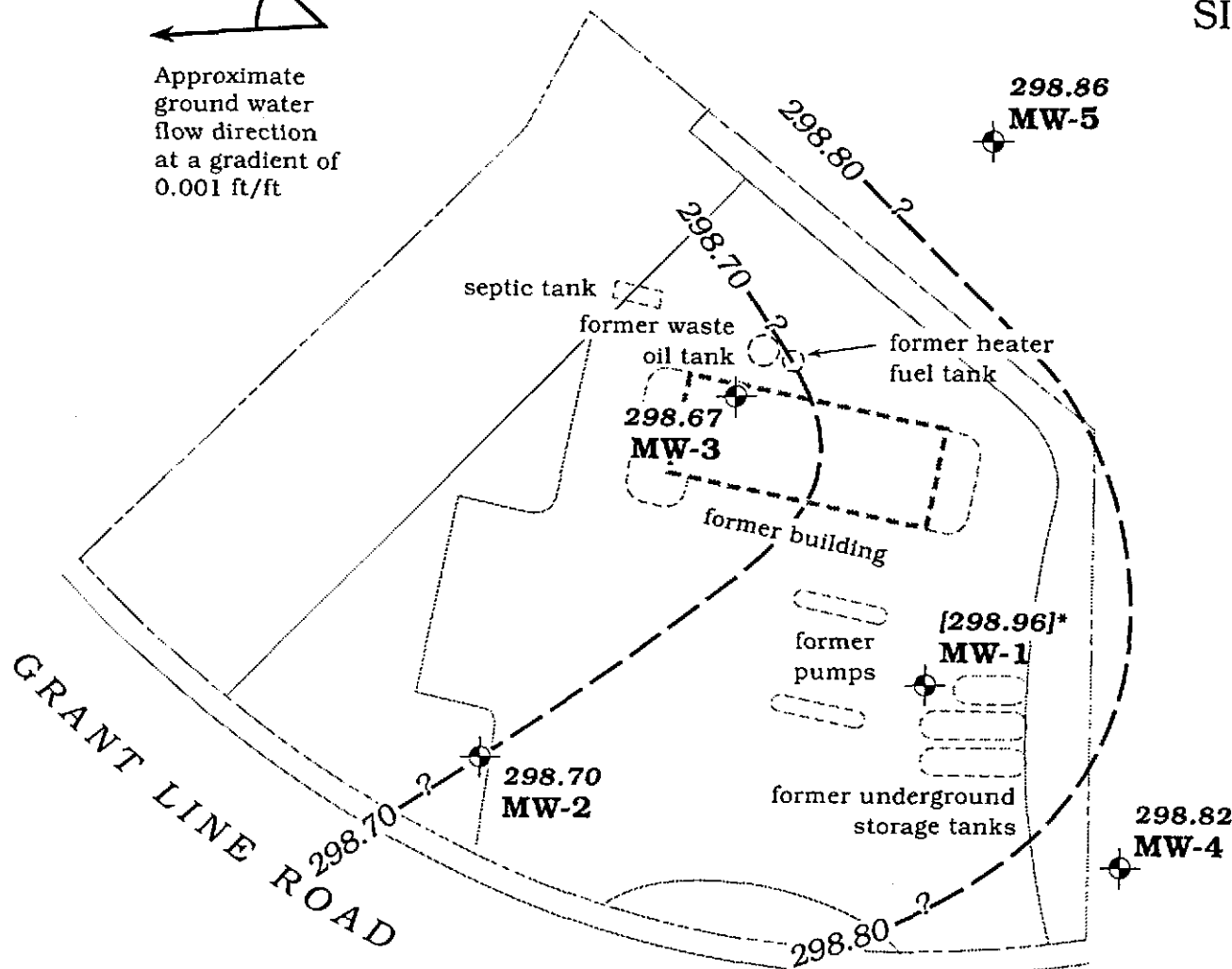
Figure 2. Monitoring Well Locations and Ground Water Elevation Contour Map - July 19, 1994 - Former Chevron Service Station #9-7127, Interstate 580 and Grant Line Road, Altamont Pass, California



SIERRA



Approximate ground water flow direction at a gradient of 0.001 ft/ft



EXPLANATION

- MW-5** Monitoring well
- 298.82** Ground water elevation, in feet
- [298.96]** Ground water elevation not used in contouring
- *
- 298.80** Ground water elevation corrected for presence of free phase hydrocarbons using the formula shown in Table 1
- 298.80 Ground water elevation contour, dashed where inferred, queried where uncertain

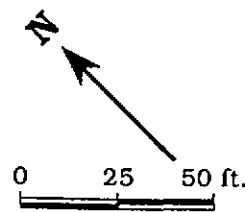
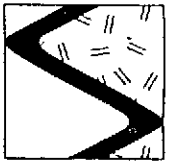


Figure 3. Monitoring Well Locations and Ground Water Elevation Contour Map - September 2, 1994 - Former Chevron Service Station #9-7127, Interstate 580 and Grant Line Road, Altamont Pass, California



SIERRA

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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) B T E X				
						-----ppb----->				
MW-1/ 329.17	2/15/94	29.77	299.40	0	8015/8020	99,000	20,000	24,000	2,000	9,800
	4/21/94	29.85	299.32	0	---	---	---	---	---	---
	6/1/94	29.92	299.25	0	8015/8020	56,000	12,000	15,000	1,100	5,800
	6/28/94	30.15	299.02	0	---	---	---	---	---	---
<i>accurate?</i>	7/19/94	20.30	308.87	0	---	---	---	---	---	---
	9/2/94	30.61	298.96	0.5	FR	---	---	---	---	---
MW-2/ 327.22	2/15/94	27.09	300.13	0	8015/8020	83	21	6	1	3
	4/21/94	27.81	299.41	0	---	---	---	---	---	---
	6/1/94	27.98	299.24	0	8015/8020	<50	1.3	0.5	<0.5	<0.5
	6/28/94	28.17	299.05	0	---	---	---	---	---	---
	7/19/94	28.35	298.87	0	---	---	---	---	---	---
	9/2/94	28.52	298.70	0	8015/8020	82	13	16	3.6	14
MW-3/ 329.28	2/15/94	29.87	299.41	0	8015/8020	23,000	11,000	1,700	540	1,000
	4/21/94	29.96	299.32	0	---	---	---	---	---	---
	6/1/94	30.11	299.17	0	8015/8020	27,000	12,000	2,600	600	2,200
	6/28/94	30.31	298.97	0	---	---	---	---	---	---
	7/19/94	30.50	298.78	0	---	---	---	---	---	---
	9/2/94	30.61	298.67	0	8015/8020	34,000	16,000	4,100	770	3,000
MW-4/ 329.44	5/21/93	---	---	---	8015/8020	<50	12	2	<0.5	1
	11/5/93	---	---	---	8015/8020	300	56	10	0.8	3
	2/15/94	29.90	299.54	0	8015/8020	260	47	12	2	4
	4/21/94	29.99	299.45	0	---	---	---	---	---	---
	6/1/94	30.14	299.30	0	8015/8020	860	200	23	2.8	9.6
	6/28/94	30.32	299.12	0	---	---	---	---	---	---
	7/19/94	30.50	298.94	0	---	---	---	---	---	---
	9/2/94	30.62	298.82	0	8015/8020	1,700	250	27	6.4	15
MW-5/ 312.88	5/25/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	0.9
	11/5/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	2/15/94	25.10	287.78	0	8015/8020	<50	<0.5	1	<0.5	1



Table 1. Water Level Data and Ground Water Analytic Results - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Altamont Pass Area, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) B T E X				
						-----ppb----->				
MW-5	4/21/94	13.21	299.67	0	---	---	---	---	---	---
(cont)	6/1/94	13.39	299.49	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/28/94	13.73	299.15	0	---	---	---	---	---	---
	7/19/94	13.80	299.08	0	---	---	---	---	---	---
	9/2/94	14.02	298.86	0	8015/8020	<50	3.2	1.8	<0.5	2.1
Trip Blank										
TB-LB	2/15/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/1/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	9/2/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
Bailer Blank										
BB	2/15/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5

EXPLANATION:

DTW = Depth to water
 TOC = Top of casing elevation
 GWE = Ground water elevation
 msl = Measurements referenced relative to mean sea level
 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

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



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.

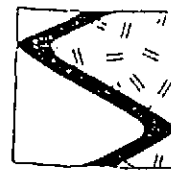
Prior to sampling, each well is purged of a minimum of three well casing volumes of water using a steam-cleaned PVC bailer, or a pre-cleaned pump. Temperature, pH and electrical conductivity are measured at least three times during purging. Purging is continued until these parameters have stabilized (i.e., changes in temperature, pH or conductivity do not exceed $\pm 0.5^\circ\text{F}$, 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 Chevron designated disposable 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 accompanies each sampling set, or 5% trip blanks are included for sets of greater than 20 samples. The trip blank is analyzed for some or all of the same compounds as the ground water samples.



SIERRA

WATER SAMPLING DATA

Job Name GRANT Line RD

Job Number 1-369-04

Sampler ET

Well Number MW-2

Date 9/2/94

Well Diameter 2

Sample Point Location/Description EASTERN WELL

Well Depth (spec.) _____

Depth to Water (static) 28.52

Well Depth (sounded) 28.02

Initial height of water in casing 9.50

Volume 1.55 gallons

Volume to be purged _____

4.65 gallons

Purged With PUMP

Sampled With D.B.

Pumped or Bailed Dry? Yes No

Time _____ After _____ gallons

Water level at sampling _____

Percent Recovery _____

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft³
 V_2 casing = 0.163 gal/ft
 V_3 casing = 0.367 gal/ft
 V_4 casing = 0.653 gal/ft
 $V_{4.5}$ casing = 0.826 gal/ft
 V_6 casing = 1.47 gal/ft
 V_8 casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1503	1509	2	2	6.78	75.7	770	
		1	3	6.62	73.6	690	
		2	5	6.57	77.0	660	

SAMPLES COLLECTED Time 1516

Total volume purged (gal.) 5

Water color CLOUDY

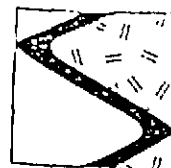
Odor None

Description of sediments or material in sample: None

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-2	3	1	N/A	HCL	Y	ATEL	G/1370K

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other _____; 6 = Other _____



SIERRA

WATER SAMPLING DATA

Job Name GRANT LINE RD Job Number 1-369-04
 Well Number MW-3 Date 4/2/14
 Sample Point Location/Description closest to ELECTRICAL BOX
 Depth to Water (static) 30.61 Well Depth (sounded) 38.74
 Initial height of water in casing 6.13 Volume 1.33 gallons
 Volume to be purged 3.98 gallons
 Purged With PUMP Sampled With D.B.
 Pumped or Bailed Dry? Yes No Time After gallons
 Water level at sampling Percent Recovery

Sampler
 Well Diameter 2
 Well Depth (spec.)

Formulas/Conversions

r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft³
 $V_{2"}$ casing = 0.163 gal/ft
 $V_{3"}$ casing = 0.367 gal/ft
 $V_{4"}$ casing = 0.653 gal/ft
 $V_{4.5"}$ casing = 0.826 gal/ft
 V_6 casing = 1.47 gal/ft
 V_8 casing = 2.61 gal/ft

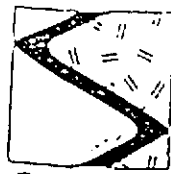
CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1528	1533	1	1	6.98	74.2	750	
		2	3	6.91	73.7	660	
		1	4	6.87	73.3	650	

SAMPLES COLLECTED Time 1538 Total volume purged (gal.) 4
 Water color CLEAR Odor NONE
 Description of sediments or material in sample: NONE
 Additional Comments:

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-3	3	1	N/A	HCL	Y	GTCL	G/STEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other ; 6 = Other



SIERRA

WATER SAMPLING DATA

Job Name GRANT LINE RD

Job Number 1-369-04

Sampler uf

Well Number MW-4

Date 9/2/94

Well Diameter 2

Sample Point Location/Description NEXT TO GATE

Well Depth (spec.) _____

Depth to Water (static) 30.62

Well Depth (sounded) 37.63

Initial height of water in casing 7.01

Volume 1.14 gallons

Volume to be purged _____

3.45 gallons

Purged With PUMP

Sampled With PB

Pumped or Bailed Dry? Yes No

Time _____ After _____ gallons

Water level at sampling _____

Percent Recovery _____

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft³
 ~~$V_{1/2}$ casing = 0.163 gal/ft~~
 $V_{2/3}$ casing = 0.367 gal/ft
 $V_{1/3}$ casing = 0.653 gal/ft
 $V_{1/2}$ casing = 0.826 gal/ft
 $V_{2/3}$ casing = 1.47 gal/ft
 $V_{1/3}$ casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1636	1640	1	1	6.91	75.8	750	
		2	3	6.78	74.3	700	
		1	4	6.75	74.1	690	

SAMPLES COLLECTED Time 1645

Total volume purged (gal.) 4

Water color cloudy

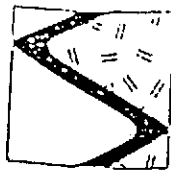
Odor none

Description of sediments or material in sample: COOL HAIR, BROWN SEDIMENT

Additional Comments: REPLACED T-PLUG & LOCK SINCE THERE WERE NONE.

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-4	3	1	N/A	HCL	Y	GTCL	G/STEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other _____; 6 = Other _____



SIERRA

WATER SAMPLING DATA

Job Name GRANT LINE RD

Job Number 1-364-04

Well Number MW-5

Date 9/21/94

Sample Point Location/Description BOTTOM OF HILL

Sampler 4

Well Diameter 2

Depth to Water (static) 14.07

Well Depth (sounded) 27.24

Well Depth (spec.) _____

Initial height of water in casing 13.82

Volume 2.25 gallons

Volume to be purged _____

6.76 gallons

Purged With HAND BAILED

Sampled With D.B.

Pumped or Bailed Dry? Yes No

Time _____ After _____ gallons

Water level at sampling _____

Percent Recovery _____

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft³
 $V_{1\text{ casing}} = 0.163 \text{ gal/ft}$
 $V_{2\text{ casing}} = 0.367 \text{ gal/ft}$
 $V_{3\text{ casing}} = 0.653 \text{ gal/ft}$
 $V_{4\text{ casing}} = 0.826 \text{ gal/ft}$
 $V_{5\text{ casing}} = 1.47 \text{ gal/ft}$
 $V_{6\text{ casing}} = 2.61 \text{ gal/ft}$

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
1552	1608	2	2	6.81	76.4	790	
		3	5	6.74	75.1	710	
		2	7	6.67	74.8	690	

SAMPLES COLLECTED Time 1620

Total volume purged (gal.) _____

Water color CLEAR

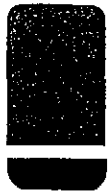
Odor NONE

Description of sediments or material in sample: NONE

Additional Comments: SEE ATTACHED DRAWING DEPICTING DAMAGE TO WELL.

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-5	3	1	N/A	HCL	Y	GTCL	G/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other _____; 6 = Other _____



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

September 13, 1994

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

RE: GTEL Client ID: SIE01CHV08
Login Number: C4090079
Project ID (number): 1-369-04
Project ID (name): Chevron/#9-7127/I-580 at Grant Line Road, Mountain House, CA

Dear Ed Morales:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 09/07/94.

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 Department of Health Service under Certification Number E1075.

If you have any questions regarding 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

GTEL Client ID: SIE01CHV08
 Login Number: C4090079
 Project ID (number): 1-369-04
 Project ID (name): Chevron/#9-7127/I-580 at Grant Line Road, Mountain House, CA

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Aqueous

GTEL Sample Number	C4090079-01	C4090079-02	C4090079-03	C4090079-04
Client ID	TB/LB	MW-2	MW-3	MW-5
Date Sampled	09/02/94	09/02/94	09/02/94	09/02/94
Date Analyzed	09/12/94	09/11/94	09/12/94	09/11/94
Dilution Factor	1.00	1.00	50.0	1.00

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	< 0.5	13.	16000	3.2
Toluene	0.5	ug/L	< 0.5	16.	4100	1.8
Ethylbenzene	0.5	ug/L	< 0.5	3.6	770	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	14.	3000	2.1
TPH as GAS	50.	ug/L	< 50.	82.	34000	< 50.
BFB (Surrogate)	--	%	83.8	84.6	83.0	84.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical and Chemical Methods, SW-846", Third Edition, Revision 1, US EPA November 1986. Bromofluorobenzene surrogate recovery acceptability limits are 62-123%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

GTEL Concord, CA
 C4090079:1



GTEL Client ID: SIE01CHV08
 Login Number: C4090079
 Project ID (number): 1-369-04
 Project ID (name): Chevron/#9-7127/I-580 at Grant Line Road, Mountain House, CA

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Aqueous

GTEL Sample Number	C4090079-05	--	--	--
Client ID	MW-4	--	--	--
Date Sampled	09/02/94	--	--	--
Date Analyzed	09/11/94	--	--	--
Dilution Factor	1.00	--	--	--

Analyte	Reporting		Concentration:		
	Limit	Units			
Benzene	0.5	ug/L	250	--	--
Toluene	0.5	ug/L	27.	--	--
Ethylbenzene	0.5	ug/L	6.4	--	--
Xylenes (total)	0.5	ug/L	15.	--	--
TPH as GAS	50.	ug/L	1700	--	--
BFB (Surrogate)	--	%	84.1	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical and Chemical Methods, SW-846", Third Edition, Revision 1, US EPA November 1986. Bromofluorobenzene surrogate recovery acceptability limits are 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

GTEL Concord, CA
 C4090079:2



GTEL Client ID: SIE01CHV08
Login Number: C4090079
Project ID (number): 1-369-04
Project ID (name): Chevron/#9-7127/I-580 at Grant Line Road, Mountain House, CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Aqueous

Method Blank Results

QC Batch No: Q091194-1
Date Analyzed: 11-SEP-94

Analyte	Method: EPA 8020	Concentration: ug/L
Benzene	< 0.30	
Toluene	< 0.30	
Ethylbenzene	< 0.30	
Xylenes (Total)	< 0.50	
TPH as Gasoline	< 10.	

Notes:

GTEL Client ID: SIE01CHV08
 Login Number: C4090079
 Project ID (number): 1-369-04
 Project ID (name): Chevron/#9-7127/I-580 at Grant Line Road, Mountain House, CA

QUALITY CONTROL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Aqueous

Matrix Spike and Matrix Spike Duplicate Results

Analyte	Original Concentration	Spike Amount	Matrix Spike	Matrix Spike	Matrix Spike Duplicate	Matrix Spike Duplicate	Acceptability Limits			
			Concentration	Recovery, %	Concentration	Recovery, %	RPD, %	RPD, %	Recovery, %	
EPA 8020	GTEL Sample ID:C4090049-05		Spike ID:Q091194-3		Dup. ID:Q091194-4					
Units: ug/L	Analysis Date:10-SEP-94		11-SEP-94		12-SEP-94		Client ID:Batch QC			
Benzene	< 0.50	20.0	17.4	87.0	16.7	83.5	4.1	34	57.3-138%	
Toluene	< 0.50	20.0	17.0	85.0	16.4	82.0	3.5	31	63-134%	
Ethylbenzene	< 0.50	20.0	16.8	84.0	15.9	79.5	5.5	38	59.3-137%	
Xylenes (Total)	< 0.50	60.0	52.6	87.7	49.6	82.7	5.8	31	59.3-144%	

Notes:

