Chevron

HAZMAT

94 JUL 15 PM 2:11

July 13, 1994

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

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 :

Again, all monitoring wells with the exception of MW-5 detected dissolved hydrocarbons.

Regarding future actions, Weiss Associates, a consultant for Chevron, is still evaluating this site. In the meantime, Chevron will continue to monitor and sample the wells on a quarterly basis.

Please refer to the enclosed report from Sierra Environmental Services dated July 8, 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

Kenneth Kan
Engineer

7/18/94. Want ① monthly monitoring
② Delineate extent of plume.
then ③. CAP

LKAN/MacFile 9-7127R9

Enclosure

7/18
Check boring logs
for best wells to
monitor.
a:\livermore\chevronT5

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

JUL 12 '94 K.L.K.

July 8, 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 April 21 and June 1, 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 June 1, 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.

REGISTERED PROFESSIONAL ENGINEER
CHRIS J. BRAMER
C 048846
CIVIL
STATE OF CALIFORNIA

Sincerely,
Sierra Environmental Services

Argy Mena
Staff Geologist

Chris J. Bramer
Professional Engineer #C48846

AJM/CJB/lo
36904QM.JL4

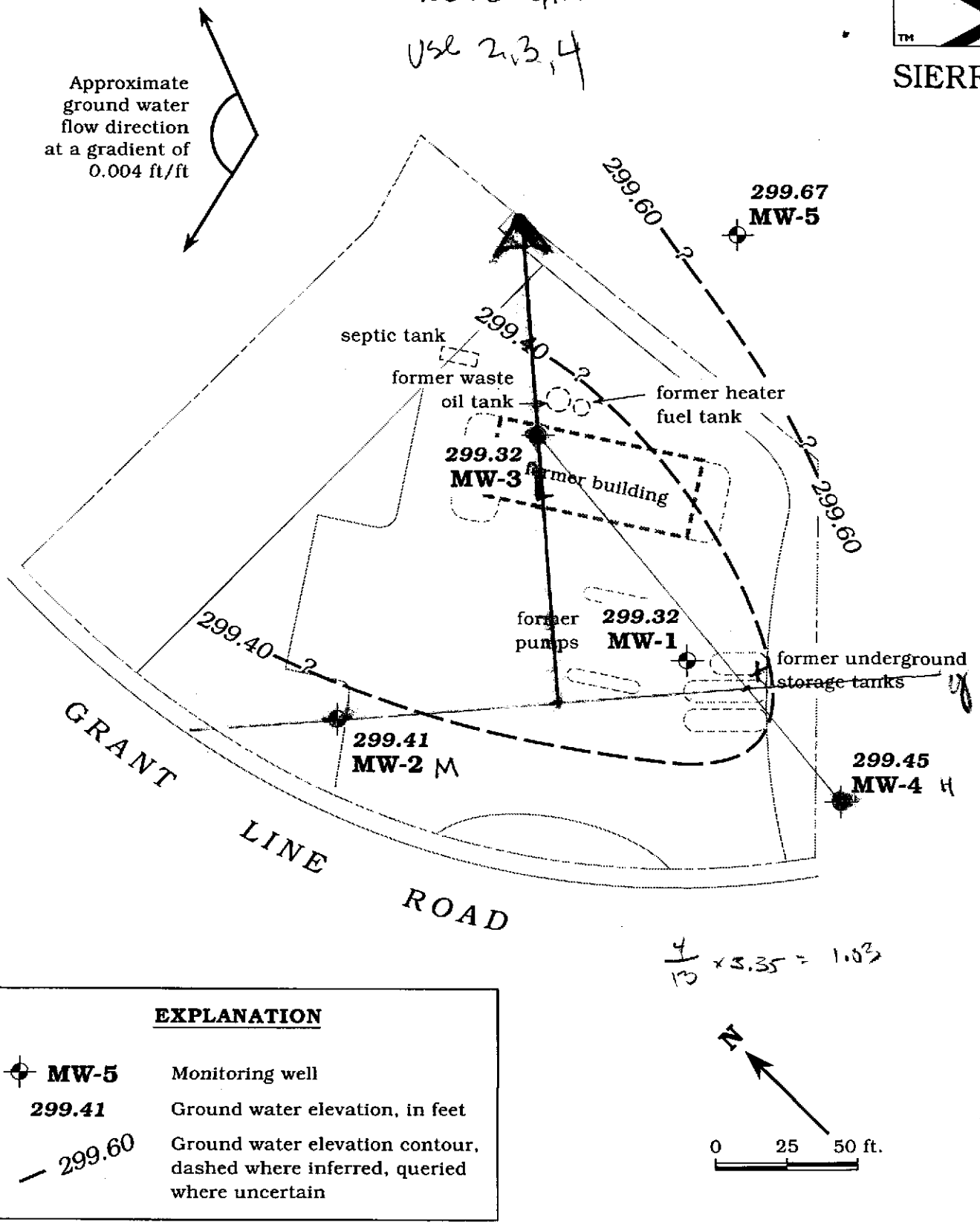
7/19/94: Using MWs 2,3,4 to calculate flow direction
GW goes NE to E.

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

Do not use MW-5 to calc. Gradient

Use 2, 3, 4

SIERRA

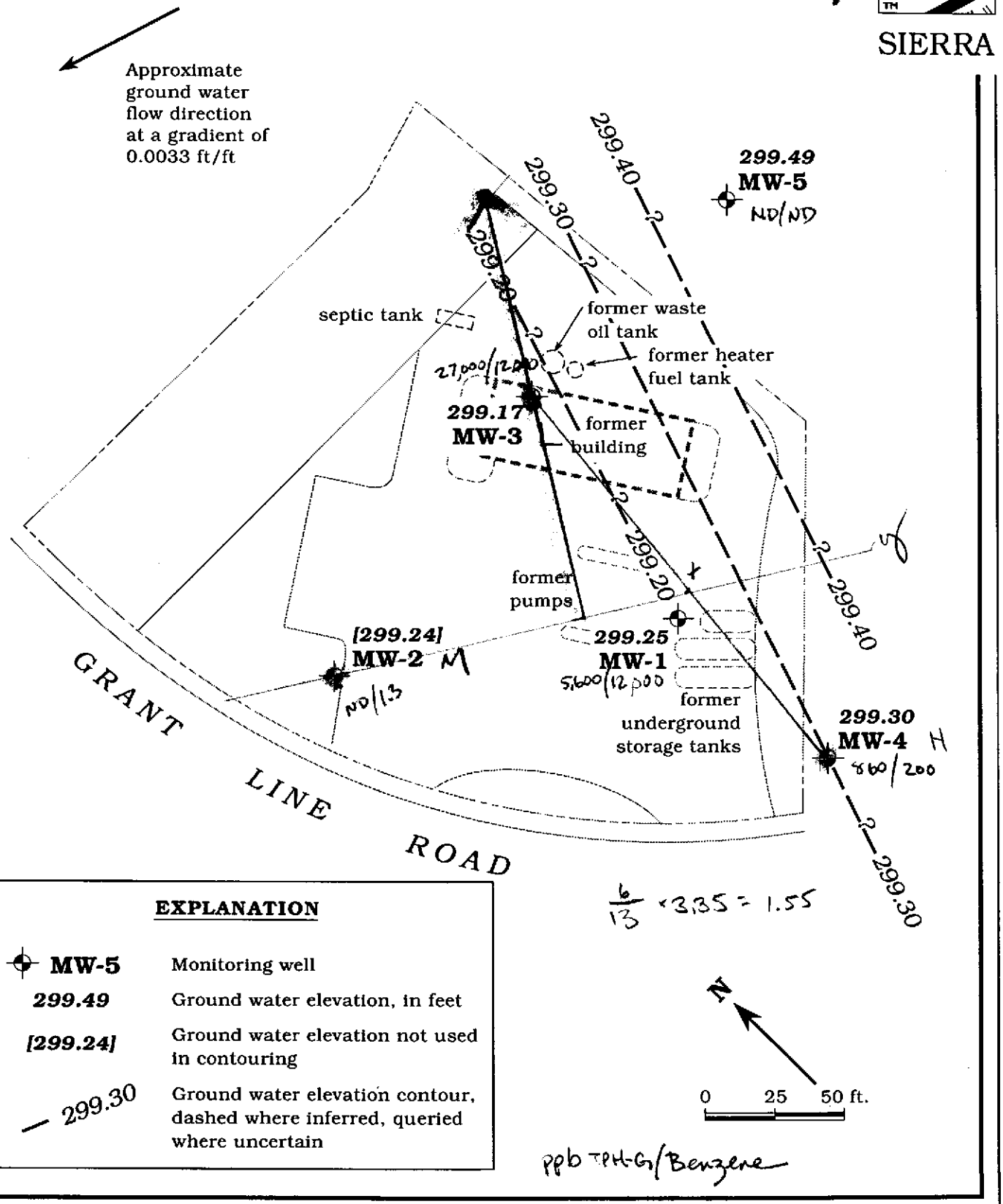


$\frac{4}{13} \times 5.35 = 1.65$

Figure 1. Monitoring Well Locations and Ground Water Elevation Contour Map – ~~April 21, 1994~~ – Former Chevron Service Station #9-7127, Interstate 580 and Grant Line Road, Altamont Pass, California

5/12/94

SIERRA



EXPLANATION

MW-5	Monitoring well
299.49	Ground water elevation, in feet
[299.24]	Ground water elevation not used in contouring
299.30	Ground water elevation contour, dashed where inferred, queried where uncertain

Figure 2. Monitoring Well Locations and Ground Water Elevation Contour Map – June 1, 1994 – Former Chevron Service Station #9-7127, Interstate 580 and Grant Line Road, Altamont Pass, California

7/6/94

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**
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**
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**	**37,000**	**12,000**	**2,600**	**600**	**2,200**
MW-4	5/21/93	---	---	---	8015/8020	<50	12	2	<0.5	1
	11/5/93	---	---	---	8015/8020	300	56	10	0.8	3
329.44	2/15/94	29.90	299.54	0	8015/8020	860	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**
MW-5	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
312.88	2/15/94	25.10	287.78	0	8015/8020	<50	<0.5	1	<0.5	1
	4/21/94	**13.21**	**299.67**	**0**	---	---	---	---	---	---
	6/1/94	**13.39**	**299.49**	**0**	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
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**
Bailer Blank BB	2/15/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5

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 (continued)

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.

36904T.WLG

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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 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 JG

Well Number MW-1 Date ~~5/26/94~~ 6/1/94 Well Diameter ~~2"~~ 4"

Sample Point Location/Description center of site Well Depth (spec.) _____

Depth to Water (static) 30 Well Depth (sounded) 38

Initial height of water in casing 8 Volume 5.22 gallons

Volume to be purged 16 gallons

Purged With sub pump Sampled With disposable bailer

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
11:50	11:55	7.5	7.5	6.89	22	1010	
	11:59	6	13.5	6.88	2.2	1000	
	12:01	3	16	6.88	2.2	1000	

SAMPLES COLLECTED Time 12:06 Total volume purged (gal.) 16

Water color clear Odor slight hydrocarbon odor

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
gl blank	3	1	—	HCL	Y	GTEL	gl blank
MW-1							

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 _____; G = Other _____

SIERRA

WATER SAMPLING DATA

Job Name Grant Line Rd Job Number 1-369-04 Sampler JG

Well Number MW-2 Date ~~5/25/94~~ 6/1/94 Well Diameter 2"

Sample Point Location/Description closer to freeway Well Depth (spec.) _____

Depth to Water (static) 28 Well Depth (sounded) 38

Initial height of water in casing 10 Volume 1.63 gallons

Volume to be purged 5 gallons

Purged With sub pump Sampled With disposable bailer

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_3" 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
11:24	11:26	3	3	7.13	22	1000	
	11:27	1.5	4.5	6.80	21	1040	
	11:28	1.5	6	6.80	21	1040	

SAMPLES COLLECTED Time 11:34 Total volume purged (gal.) 6

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
~~gl btex~~	3	1	—	HCL	Y	GTEL	gl btex
MW-2							

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 JG

Well Number MW-3 | Date ~~5/25/94~~ 6/1/94 | Well Diameter 2"

Sample Point Location/Description behind MW-2 | Well Depth (spec.) _____

Depth to Water (static) 30.11 | Well Depth (sounded) 41

Initial height of water in casing 11 | Volume 1.8 gallons

Volume to be purged 5.5 gallons

Purged With sub pump | Sampled With disposable bailer

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
11:38	11:40	3	3	6.80	22	1110	
	11:41	1.5	4.5	6.79	21	1100	
	11:42	1.5	6.0	6.79	22	1100	

SAMPLES COLLECTED Time 11:46 | Total volume purged (gal.) 6

Water color clear | Odor ~~slt.~~ none

Description of sediments or material in sample: clear

Additional Comments: —

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
~~gl~~ btex	3	1	—	HCL	Y	GTEL	~~gl~~ btex
MW-3							

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 JG
Well Number MW-4 | Date ~~5/26/94~~ 6/1/94 | Well Diameter 2"
Sample Point Location/Description E. of Grant Line Rd | Well Depth (spec.)
Depth to Water (static) 30.14 | Well Depth (sounded) 40
Initial height of water in casing 10 | Volume 1.63 gallons
Volume to be purged 5 gallons
Purged With sub pump | Sampled With disposable bailer
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
11:10	11:12	3	3	6.84	23	1030	
	11:13	1.5	4.5	6.83	21	1110	
	11:14	1.5	6	6.83	20	1100	

SAMPLES COLLECTED Time 11:20 | Total volume purged (gal.) 6
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-4~~	3	1	—	HCL	Y	GTEL	g/btex
MW-4							

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 JG

Well Number MW-5 Date ~~5/25/94~~ 6/1/94 Well Diameter 2"

Sample Point Location/Description Car rear of site Well Depth (spec.) _____

Depth to Water (static) 13.39 Well Depth (sounded) 28

Initial height of water in casing 14.6 Volume 2.4 gallons

Volume to be purged 7.5 gallons

Purged With PVC bailer Sampled With disposable bailer

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
10:35	10:40	4	4	6.57	23	980	
	10:45	3	7	6.49	22	960	
	10:50	1	8	6.49	22	960	

SAMPLES COLLECTED Time 10:55 Total volume purged (gal.) 8

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
	3	1	—	HCL	Y	GTEL	gbtex
MW-5							

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.

Western Region
4080 Pike Lane, Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

June 7, 1994

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

RE: GTEL Client ID: SIE01CHV08
Login Number: C4060035
Project ID (number): SIE01CHV08
Project ID (name): CHEVRON/Grant Line Rd.

Dear Ed Morales:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 06/02/94.

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.

For
Rashmi Shah
Laboratory Director

GTEL Client ID: SIE01CHV08
Login Number: C4060035
Project ID (number): SIE01CHV08
Project ID (name): CHEVRON/Grant Line Rd.

ANALYTICAL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Aqueous

GTEL Sample Number	C4060035-01	C4060035-02	C4060035-03	C4060035-04
Client ID	TB-LB	MW-1	MW-2	MW-3
Date Sampled	06/01/94	06/01/94	06/01/94	06/01/94
Date Analyzed	06/03/94	06/04/94	06/04/94	06/04/94
Dilution Factor	1.00	250.	1.00	100.

Analyte	Reporting Limit	Units	Concentration:			
Benzene	0.5	ug/L	< 0.5	12000	1.3	12000
Toluene	0.5	ug/L	< 0.5	15000	0.5	2600
Ethylbenzene	0.5	ug/L	< 0.5	1100	< 0.5	600
Xylenes (total)	0.5	ug/L	< 0.5	5800	< 0.5	2200
TPH as GAS	50.	ug/L	< 50.	56000	< 50.	27000
BFB (Surrogate)	--	%	92.2	87.2	89.6	84.9

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 70-130%. Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: SIE01CHV08
Login Number: C4060035
Project ID (number): SIE01CHV08
Project ID (name): CHEVRON/Grant Line Rd.

ANALYTICAL RESULTS

Volatile Organics
Method: EPA 8020
*Matrix: Aqueous

GTEL Sample Number	C4060035-05	C4060035-06	--	--
Client ID	MW-4	MW-5	--	--
Date Sampled	06/01/94	06/01/94	--	--
Date Analyzed	06/04/94	06/03/94	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting Limit	Units		Concentration:		
Benzene	0.5	ug/L	200	< 0.5	--	--
Toluene	0.5	ug/L	23.	< 0.5	--	--
Ethylbenzene	0.5	ug/L	2.8	< 0.5	--	--
Xylenes (total)	0.5	ug/L	9.6	< 0.5	--	--
TPH as GAS	50.	ug/L	860	< 50.	--	--
BFB (Surrogate)	--	%	86.9	89.1	--	--

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 70-130%. Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: SIE01CHV08 QUALITY CONTROL RESULTS
Login Number: C4060035 Volatile Organics
Project ID (number): SIE01CHV08 Method: EPA 8020
Project ID (name): CHEVRON/Grant Line Rd. Matrix: Aqueous

Method Blank Results

QC Batch No: G060394-1
Date Analyzed: 03-JUN-94

Analyte	Method: EPA 8020 Concentration: ug/L
Benzene	< 0.30
Toluene	< 0.30
Ethylbenzene	< 0.30
Xylenes (Total)	< 0.50
TPH as Gasoline	< 10.0

Notes:

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: SIE01CHV08 QUALITY CONTROL RESULTS
Login Number: C4060035 Volatile Organics
Project ID (number): SIE01CHV08 Method: EPA 8020
Project ID (name): CHEVRON/Grant Line Rd. Matrix: Aqueous

Matrix Spike and Matrix Spike Duplicate Results

Analyte	Original Concentration	Spike Amount	Matrix Spike Concentration	Matrix Spike Recovery, %	Matrix Spike Duplicate Concentration	Matrix Spike Duplicate Recovery, %	RPD, %	Acceptability Limits RPD, %	Acceptability Limits Recovery, %
EPA 8020	GTEL Sample ID:C4050442-02		Spike ID:G060394-3		Dup. ID:G060394-4				
Units: ug/L	Analysis Date:31-MAY-94			03-JUN-94		03-JUN-94	Client ID:Batch QC		
Benzene	< 0.50	20.0	18.6	93.0	19.0	95.0	2.1	34	57.3-138%
Toluene	< 0.50	20.0	19.0	95.0	19.2	96.0	1	31	63-134%
Ethylbenzene	< 0.50	20.0	18.0	90.0	18.5	92.5	2.7	38	59.3-137%
Xylenes (Total)	< 0.50	60.0	57.6	96.0	58.3	97.2	1.2	31	59.3-144%

Notes:

GTEL ENVIRONMENTAL LABORATORIES, INC.

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

Chain-of-Custody-Record

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

Chevron Facility Number: 9-580 at Grand Lake Rd.
Facility Address: 7127
Consultant Project Number: 1-369-04
Consultant Name: Sierra Environmental Services
Address: P.O. Box 2546, Martinez, CA 94553
Project Contact (Name): Ed Morales
(Phone) 510-370-1280 (Fax Number) 510-370-7959

Chevron Contact (Name): Ken Kan
(Phone) 842-8752
Laboratory Name: GTEL
Laboratory Release Number: 413131
Samples Collected by (Name): Jim Green
Collection Date: 6/1/94
Signature:

Sample Number	Lab Sample Number	Number of Containers	Matrix: S = Soil A = Air W = Water C = Charcoal	Type: G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: 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)					Remarks
TB-LB	01	2	W	D	—	HCl	Y	✓												ANALYZE
MW-1	02	3			12:06			✓												
MW-2	03				11:34			✓												
MW-3	04				11:46			✓												
MW-4	05				11:20			✓												
MW-5	06	↓	↓	↓	10:55	↓	↓	✓								1	6/17/94			↓
																1				
																				F2

C40600035

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Sierra	6-2-94 11:40	John Weber	GTEL	6-2-94 11:40
John Weber	GTEL	6-2-94 14:30			
			Received For Laboratory By (Signature): Kevin McCandless		6/2/94 14:30

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
(10 Days)
As Contracted

6/1/94