ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

REMEDIAL ACTION COMPLETION CERTIFICATION

January 30, 2014

Mr. Brian Waite
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
(Sent via electronic mail to: BWaite@chevron.com)

Ms. Debbie Wescott
First Presbyterian Church of Hayward
2490 Grove Way
Castro Valley, CA 94546

Subject: Case Closure for Fuel Leak Case Fuel Leak Case No. RO0000275 and Geotracker Global ID T0600100318, Chevron #9-2960, 2416 Grove Way, Castro Valley, CA 94546

Dear Mr. Waite and Ms. Wescott:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Please be aware that claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ariu Levi
Director

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

January 30, 2014

Mr. Brian Waite
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
(Sent via electronic mail to: BWaite@chevron.com)

Ms. Debbie Wescott
First Presbyterian Church of Hayward
2490 Grove Way
Castro Valley, CA 94546

Subject: Closure Transmittal; Fuel Leak Case No. RO0000275 and Geotracker Global ID T0600100318, Chevron #9-2960, 2416 Grove Way, Castro Valley, CA 94546

Dear Mr. Waite and Ms. Wescott:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Monitoring wells C-4 and C-6 were paved over during road widening. The wells remain lost after multiple attempts to relocate them failed.
- The potential for vapor intrusion was not evaluated in accordance with current DTSC vapor guidance protocols. The detection limit for benzene was above the appropriate commercial ESL for benzene in SV-1.
- Residual shallow soil contamination (over 100 ppm TPHg) appears to be isolated beneath city streets, sidewalks, onsite landscaping and the outer portion of the parking lot at the southwest corner of the property parcel.
- Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

If you have any questions, please call Mark Detterman at (510) 567-6876. Thank you.

Sincerely,

Donna L. Drogos, P.E.
Division Chief

Enclosures: 1. Remedial Action Completion Certificate
2. Case Closure Summary

cc: Nate Allen, 10969 Trade Center Drive, Suite 106, Rancho Cordova, CA 95670
(sent via electronic mail to nallen@craworld.com)

David Herzog, 10969 Trade Center Drive, Suite 106, Rancho Cordova, CA 95670
(sent via electronic mail to dherzog@craworld.com)

Ms. Cherie McCaulou (w/o enc.), SF- Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, CA 94612, (sent via electronic mail to CMacaulou@waterboards.ca.gov)

Donna Drogos, (sent via electronic mail to donna.drogos@acgov.org)
Dilan Roe (Sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman (sent via electronic mail to mark.detterman@acgov.org)
Electronic File, GeoTracker

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM

I. AGENCY INFORMATION

Date: August 8, 2013

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6876
Responsible Staff Person: Mark Detterman	Title: Senior Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Chevron #9-2960		
Site Facility Address: 2416 Grove Way, Castro Valley, CA 94546*		
RB Case No.: 01-0346	Local Case No.: STID 656	LOP Case No.: RO0000275
URF Filing Date: ---	Geotracker ID: T0600100318	APN: 416-30-15-2

Responsible Parties	Addresses	Phone Numbers
Brian Waite Chevron Environmental Management Company	6101 Bollinger Canyon Road San Ramon, CA 94583	(925) 790-6486
Debby Wescott First Presbyterian Church of Hayward	2490 Grove Way Castro Valley, CA 94546-7106	---

* Parcel records indicate that the property is in Hayward, CA.

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
----	7,500	Gasoline	Removed	1986
----	7,500	Gasoline	Removed	1986
----	2,000	Gasoline	Removed	1986
----	550	Waste Oil	Removed	1986
Piping			Removed	1986

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown; none reported.	
Site characterization complete? Yes	Date Approved By Oversight Agency: -----

Monitoring wells installed? Yes	Number: 9	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 10.22 feet bgs	Lowest Depth: 21.50 feet bgs	Flow Direction: West
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: Three water supply wells were identified within a half-mile from the site. One irrigation well located approximately 735 feet south is an 8-inch diameter well with a total depth of 50 feet bgs. Two additional irrigation wells located on C Street approximately 0.5 miles south of the site. Based on the gradient, location, and distance, these wells do not appear to be receptors for the site.	
Are drinking water wells affected? No	Aquifer Name: Castro Valley Sub-Basin of the East Bay Basin
Is surface water affected? No	Nearest SW Name: An un-named tributary of San Lorenzo Creek; approximately 675 feet west and San Lorenzo Creek, approximately 1,000 feet south of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None identified	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	7,500-gallon	Disposal location not reported.	1986
Tank	7,500-gallon	Disposal location not reported.	1986
Tank	2,000-gallon	Disposal location not reported.	1986
Tank	550-gallon	Disposal location not reported.	1986
Piping	Unknown	Disposal location not reported.	1986
Free Product	2 gallons 11 gallons	Disposal location not reported.	January 1990 October 1993 to 1997
Soil	----	----	----
Groundwater	1,200,000 gallons	Groundwater extraction system; treated prior to sanitary sewer discharge under permit	October 1993 to 1997

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
(Please see Attachments 1 through 6 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	14,000	2,300	120,000	950
TPH (Diesel)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
TPH (Motor Oil)	< 10	<10	Not Analyzed	Not Analyzed
Oil and Grease	----	----	----	----
Benzene	13	13	25,000	7
Toluene	64	64	60,000	0.6
Ethylbenzene	32	32	13,000	1
Xylenes	160	160	56,000	1
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
MTBE	<0.050 [1]	0.0008 [2]	< 25 [3]	< 0.5 [4]
Other (8240/8270)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed

1 MTBE <0.050; TBA = 0.068 ppm; DIPE, ETBE, TAME, 1,2-DCA, and EDB < 0.001 ppm.
2 MTBE = 0.0008 ppm; TBA = 0.068 ppm; DIPE, ETBE, TAME, 1,2-DCA, and EDB < 0.001 ppm.
3 MTBE < 2.5 to 25.0 ppb; TBA < 100 ppb; DIPE, ETBE, and TAME < 2 ppb; 1,2-DCA and EDB not analyzed.
4 MTBE < 0.5 ppb; TBA < 2 ppb; DIPE, ETBE, TAME, 1,2-DCA, and EDB < 0.5 ppb.

Site History and Description of Corrective Actions:

Land use surrounding the site is mixed commercial and residential. The property was formerly occupied by a Chevron service station from at least 1965 until 1986, when the station was demolished. In 2000, the site was paved to its current configuration and is in use as a parking lot for Trader Joes' grocery store.

The former Chevron service station is reported to have been demolished in 1986 along with all associated aboveground and underground structures including two 7,500-gallon gasoline underground storage tanks (USTs), one 2,000-gallon gasoline UST, a 550-gallon waste oil UST, two dispenser islands, and all associate piping. Soil samples were collected from the gasoline UST pit, waste oil UST pit, and soil stockpiles. Soil samples analyzed in June 1986 from the gasoline tank pit at a depth of 18 feet bgs detected up to 14,000 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPHg). The gasoline UST tank pit was excavated to 25 feet below ground surface (bgs). Confirmation samples were not collected after the overexcavation. Oil-range hydrocarbons were not detected in the two soils collected beneath the former waste oil UST.

On October 1, 1986, four monitoring wells (C-1 through C-4) were installed at the site. No soil samples were collected from the soil bores for the wells. The groundwater monitoring wells were first analyzed on October 23, 1986 and up to 37,000 ppb TPHg and 6,400 ppb benzene was detected. The highest concentration of TPHg in groundwater was detected in well C-1, located directly adjacent to and west (downgradient) of the former gasoline USTs.

In January 1990, interim recovery of light non-aqueous phase liquid (LNAPL) via pumping and bailing was conducted in well C-1. The recovery was implemented only once and removed a total of 100 gallons of groundwater that contained approximately two gallons of LNAPL.

On August 27, 1990, exploratory borings (C-5 through C-7) were advanced offsite. Soil samples collected from the borings showed no detectable concentrations of petroleum hydrocarbons at standard limits of reporting. Groundwater from the wells was first analyzed in the October 1990 monitoring event and petroleum hydrocarbon concentrations were not detected at standard reporting limits.

On December, 18 and 19, 1991, five vacuum influence probes (VP-1 through VP-5) were installed onsite as part of a soil vapor extraction (SVE) pilot test. Vacuum was applied to onsite monitoring wells C-1 through C-3. Mass removal rates were then estimated based upon inlet hydrocarbon concentrations. Well C-1 was determined to have the greatest potential for hydrocarbon mass removal, with estimated rates of up to 945 lbs/day TPHg and 0.19 lbs/day benzene. Based on the results of the test, it was concluded that SVE should be effective at the site.

In October 1993, extraction well EW-1 was installed and groundwater extraction (GWE) began. Treated groundwater was discharged under permit to the sanitary sewer. An SVE system was connected to well C-1 and began operation in June 1994. Extracted vapor was treated using a thermal oxidation unit prior to discharge to the atmosphere. The system was in operation through 1996 and removed approximately 1,200,000 gallons of groundwater and an estimated 9,000 pounds of hydrocarbons. LNAPL was also removed with a passive skimmer from wells C-1 and EW-1. In 1997, the system was shut down and removed. A final GWE and SVE system report was not submitted.

On January 30, 1997, an underground utility survey was conducted at the site to confirm that the former product lines had been removed in conjunction with the USTs. The survey indicated that no product lines were present in the location of the former product line trenches.

On February 5, 1997, six borings (B-1 through B-6) were advanced onsite to evaluate soil near the former product piping and dispenser island areas. TPHg was detected in 9 of 22 soil samples at concentrations ranging from 2 (B-2 at 11 fbg) to 2,300 mg/kg (B-1 at 16 fbg). In addition with other petroleum hydrocarbon constituents, benzene was detected in five of the samples at concentrations ranging from 0.0062 (B-3 at 15.5 fbg) to 13 mg/kg (B-1 at 16 fbg). Based on the results of the investigation shallow soil beneath the former dispenser islands had been contaminated, with the majority of the contamination between 2.5 and 5.5 fbg. Soil beneath the former piping did not appear to be contaminated. Additionally, the soil bores detected contamination between 16 and 19 fbg in the capillary fringe.

In April 1997, G-R destroyed offsite upgradient well C-5 to facilitate planned construction activities in this area. On September 15 and 18, 1998, wells C1 through C3 and extraction well EW-1 were decommissioned due to the widening of Redwood Road. Wells C-4 and C-6 were paved over during the road widening project and are lost. Multiple attempts to relocate the wells have been made; however, the wells remain missing.

On February 8, 2002 one monitoring well (C-8) was installed in conjunction with the drilling of three soil borings (B-7 through B-9) to evaluate soil and groundwater contamination near the former USTs and dispenser islands, and to define the lateral extent of impacted groundwater upgradient of well C-2. Soil samples and grab groundwater samples were collected from borings C-8 and B-7 through B-9. TPHg in soil was detected up to 24 ppm; benzene and ethylbenzene were not detected. Bore C-8 was advanced directly adjacent to and downgradient (west) of the former gasoline USTs in the vicinity to former well C-1. Bore B-8 was advanced approximately ten feet northwest of the former gasoline USTs. Grab groundwater samples collected from borings C-8 and B-8 contained the highest concentrations of TPHg (11,000 ppb and 8,600 ppb, respectively) and benzene (380 and 15 ppb, respectively).

On April 13, 2004, four shallow temporary soil vapor points (SV1 through SV4) and one soil boring (SB1) were advanced to evaluate the potential for vapor intrusion and delineation of the groundwater MTBE plume. Three soil samples were collected from boring SB1 (labeled B10 on bore log) between 10 and 22 feet bgs and analyzed for TPHg, BTEX, fuel oxygenates, 1,2-dichloroethane (1,2-DCA), and ethylene dibromide (EDB). Except for 3.6 mg/kg TPHg in the sample collected at 18 fbg the analytes were not detected in the soil samples, at standard limits of reporting. One grab groundwater sample was also collected from boring SB1. Analysis of the grab groundwater sample detected 180 ppb TPHg, 0.5 ppb benzene, and 0.9 ppb ethylbenzene. Soil vapor samples were collected from soil vapor points SV1 through SV4. The temporary soil vapor points were not logged, but are reported to have been installed to 5, 3.6, 3.5, and 4 fbg, respectively. Soil vapor samples were collected from the vapor points and analyzed for BTEX only. Benzene was detected in samples SV-2 and SV-3 at concentrations of 100 micrograms per cubic meter ($\mu g/m^3$) and 9.7 $\mu g/m^3$, respectively. Concentrations of toluene (up to 16 $\mu g/m^3$), ethylbenzene (5.1 $\mu g/m^3$), and xylenes (up to 9 $\mu g/m^3$) were detected in samples SV-2 through SV-4. In SV-1 BTEX were not detected due to elevated detection limits caused by the presence of a non-fuel compound, 2-proponol. The oxygen and carbon dioxide percentages for SV-1 to SV-4 were reported as 1.0% and 13% (SV-1); 1.7% and 11% (SV-2); 20 and 0.47% (SV-3); and 22% and 1.2% (SV-4). Except for SV-1 due to the presence of a non-fuel compound, all results were below commercial shallow soil gas screening levels for the evaluation of potential indoor air impacts

(July 2003 and May 2013 versions). The results for SV-3 and SV-4 are also below residential values in both versions.

On March 21, 2007, one onsite bore (B-10) and two offsite bores (B-11 and B-12) were advanced. Boring B-10 was located in the area of the former gasoline USTs, and borings B-11 and B-12 were located near the centerline of Redwood Road. Groundwater was first encountered in the borings between 17 and 22 feet bgs. Soil samples were collected from the borings at five-foot intervals between 5 and 28 feet bgs and analyzed for TPHg, BTEX, fuel oxygenates, 1,2-DCA, and EDB. TPHg and benzene were detected in soil up to 1.3 and 0.011 ppm, respectively. Fuel oxygenates, 1,2-DCA, and EDB generally were not detected in the samples with the exception of MTBE at 0.0008 mg/kg in the sample collected at 20 fbg from boring B-12, and up to 0.068 mg/kg tertiary butyl alcohol (TBA) in samples collected at 15 fbg and 20 fbg in boring B-11.

Depth discrete groundwater samples were collected from borings B-10 (20 and 28 fbg), B-11 (17 and 28 fbg), and B-12 (32 fbg) and analyzed for the same constituents noted above. Boring B-11 is located approximately 40 feet west of the former gasoline USTs. TPHg was detected in groundwater at concentrations of 35,000 µg/L and 1,700 µg/L (B-10 at 20 and 28 fbg, respectively), and 67,000 µg/L and 4,200 µg/L (B-11 at 17 and 28 fbg, respectively). Benzene was detected at concentrations of 1,500 µg/L and 23 µg/L (B-10 at 20 at 20 and 28 fbg, respectively), and 6,600 µg/L and 100 µg/L (B-11 at 17 and 28 fbg, respectively). TPHg and BTEX were not detected in the groundwater sample collected from boring B-12. The remaining analytes were not detected in the groundwater samples with the exception of TBA at 130 µg/L and 3 µg/L (B-10 at 20 and 28 fbg, respectively), and 460 µg/L and 15 µg/L (B-11 at 17 and 28 fbg, respectively).

In June 2010, borings GP-1 and GP-2 were installed offsite across Redwood Road. Boring GP-1 was located between well C-7 and former well C-6, and boring GP-2 was located in the area of former well C-6. Soil samples were submitted for laboratory analysis at approximately 5, 10, 15, and 20 fbg. No TPHg, BTEX, or fuel oxygenates were detected in any of the soil samples. Depth discrete groundwater samples were collected at approximate depths of 20 fbg and 35 fbg from boring GP-1, at approximate depths of 20 fbg and 34 fbg from boring GP-2. No TPHg, BTEX, or fuel oxygenates were detected in the groundwater samples with the exception of TPHg at 89 µg/L in the sample collected at 20 fbg from boring GP-2.

During the most recent groundwater monitoring event (March 20, 2012) only monitoring well C-8 was sampled. The well is located immediately adjacent and west of the former gasoline USTs and contained 950 ppb TPHg, 7 ppb benzene, and 1 ppb ethylbenzene.

V. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, closure of this site appears to be consistent with the policies established by the SWRCB LTCP which became effective on August 17, 2012.		
Site Management Requirements: This fuel leak case has been evaluated for closure consistent with the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Based on this evaluation, no site management requirements appear to be necessary.		
Should corrective action be reviewed if land use changes? No		
Was a deed restriction or deed notification filed? No		Date Recorded: ----
Monitoring Wells Decommissioned: No	Number Decommissioned: 5	Number Retained: 4 *
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

* Includes two permanently lost wells.

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

- Soil and groundwater beneath the waste oil UST has not been analyzed for the five LUFT metals, SVOCs, or non-fuel related VOCs.
- Naphthalene and PAHs were not analyzed at the site.
- A final GWE and SVE system report was not submitted.
- The boring log for boring SB-1, advanced April 13, 2004, is mislabeled as B10.
- Monitoring wells C-4 and C-6 were paved over during road widening. The wells remain lost after multiple attempts to relocate them failed.
- The potential for vapor intrusion was not evaluated in accordance with current DTSC vapor guidance protocols. Using earlier protocols, onsite soil vapor concentrations for BTEX were detected below commercial Environmental Screening Levels (ESLs), with one exception. The detection limit at vapor point SV-1 was elevated due to interference by a non-fuel hydrocarbon (2-proponol). Only the detection limit for benzene was above the appropriate commercial ESL for benzene in SV-1.
- Residual shallow soil contamination (over 100 ppm TPHg) appears to be isolated beneath city streets, sidewalks, onsite landscaping and the outer portion of the parking lot at the southwest corner of the property parcel. This residual soil contamination contains concentrations of benzene and ethylbenzene below values contained in Table 1 of the LTCP (naphthalene and PAHs were not analyzed).
- Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

The site meets the general criteria for case closure under the LTCP.

The site does not appear to meet scenarios 1, 2, 3, or 4 of the groundwater media-specific criteria for closure under the LTCP because un-named tributary of San Lorenzo Creek is located approximately 675 feet west, San Lorenzo Creek is located approximately 1,000 feet south of the site, and a water supply well is present within 1,000 feet, at an approximate distance of 735 feet to the south.

However, ACEH believes case closure is appropriate based on an analysis of site-specific conditions:

1. The plume is stable or decreasing in size for a minimum of five years.
2. The plume is less than 250 feet in length.
3. There is no free product.
4. The dissolved concentration of benzene is less than 3,000 ppb.
5. The dissolved concentration of MTBE is less than 1,000 ppb.
6. The water supply well appears to be crossgradient and does not affect the westward directed groundwater flow and gradient at the site.
7. Based on the age of the plume, site hydrogeology, and apparent stability of the plume, the potential for the plume to pose a threat to San Leandro Creek or the un-named tributary appears to be low. The potential for migration along preferential pathways provided by utility corridors has been evaluated for the site. Based on this evaluation, potential discharges from the utility corridors to San Leandro Creek or the un-named tributary are not expected to pose a significant risk to water quality in San Leandro Creek.

The site does not meet scenarios 1,2,3, or 4 of the numerical media-specific criteria in the LTCP for petroleum vapor intrusion to indoor air; however, based on an analysis of site specific conditions, ACEH has determined that petroleum vapors migrating from soil or groundwater will have no significant risk of adversely affecting human health for the following reasons:

1. Both Grove Way and Redwood Road were widened in approximately 1997 and 1998. Remaining shallow soil contamination at the site (within 5 feet of the surface and over 100 ppm TPH) which was principally the subject of the vapor intrusion investigation and primarily associated with former dispensers appears to be located at the extreme southern margin of the site beneath city streets, sidewalks, onsite landscaping, or the southern perimeter margin of the current parking lot.

2. The site has not been evaluated under current DTSC vapor sampling protocols and therefore the risk of vapor intrusion has not been quantified; however, onsite soil vapor concentrations have been investigated using earlier protocols. In those results, BTEX were detected below commercial Environmental Screening Levels (ESLs), with one exception. The detection limit at one vapor point (SV-1) was elevated due to interference by a non-fuel hydrocarbon (2-proponol). Only the detection limit for benzene was above the appropriate commercial ESL for benzene in sample SV-1. Existing vapor data suggests the site meets commercial vapor intrusion ESLs, but not the residential vapor intrusion ESLs.

3. Residual shallow soil contamination (over 100 ppm TPHg) that was the subject of the soil vapor investigation appears to be isolated beneath city streets, sidewalks, onsite landscaping and the outer portion of the parking lot at the southwest corner of the property parcel and it is unlikely that the current site layout will change significantly.

The site appears to meet the media-specific criteria for direct contact and outdoor air exposure under the LTCP. The maximum concentrations of benzene and ethylbenzene detected in soil samples collected to date within the upper 10 feet are less than the media-specific criteria in Table 1 of the LTCP for direct contact and outdoor air exposure. Since the release at the site consisted primarily of gasoline, naphthalene concentrations are not likely to exceed the media-specific criteria in Table 1 of the LTCP.

Conclusion:

Alameda County Environmental Health staff believe that the site meets the conditions for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case is necessary at this time.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Mark Detterman, P.G., C.E.G.	Title: Senior Hazardous Materials Specialist
Signature:	Date: 8/8/2013
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature:	Date: 08/09/13

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Notification Date: May 22, 2013	

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 7/26/2013	Date of Well Decommissioning Report: 1/14/2014	
All Monitoring Wells Decommissioned: Yes No	Number Decommissioned: 6	Number Retained: 2
Reason Wells Retained: Wells C-4 and C-6 are considered permanently lost.		
Additional requirements for submittal of groundwater data from retained wells: NONE		
ACEH Concurrence - Signature:		Date: 1/28/2014

Attachments:

1. Site Vicinity Map (2 pp)
2. Site Plans (9 pp)
3. Soil Analytical Data (23 pp)
4. Groundwater Analytical Data (27 pp)
5. Soil Vapor Analytical Data (7 pp)
6. Boring Logs (34 pp)
7. Cross Sections (3 pp)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

ATTACHMENT 1

SOURCE: TOPO! MAPS.

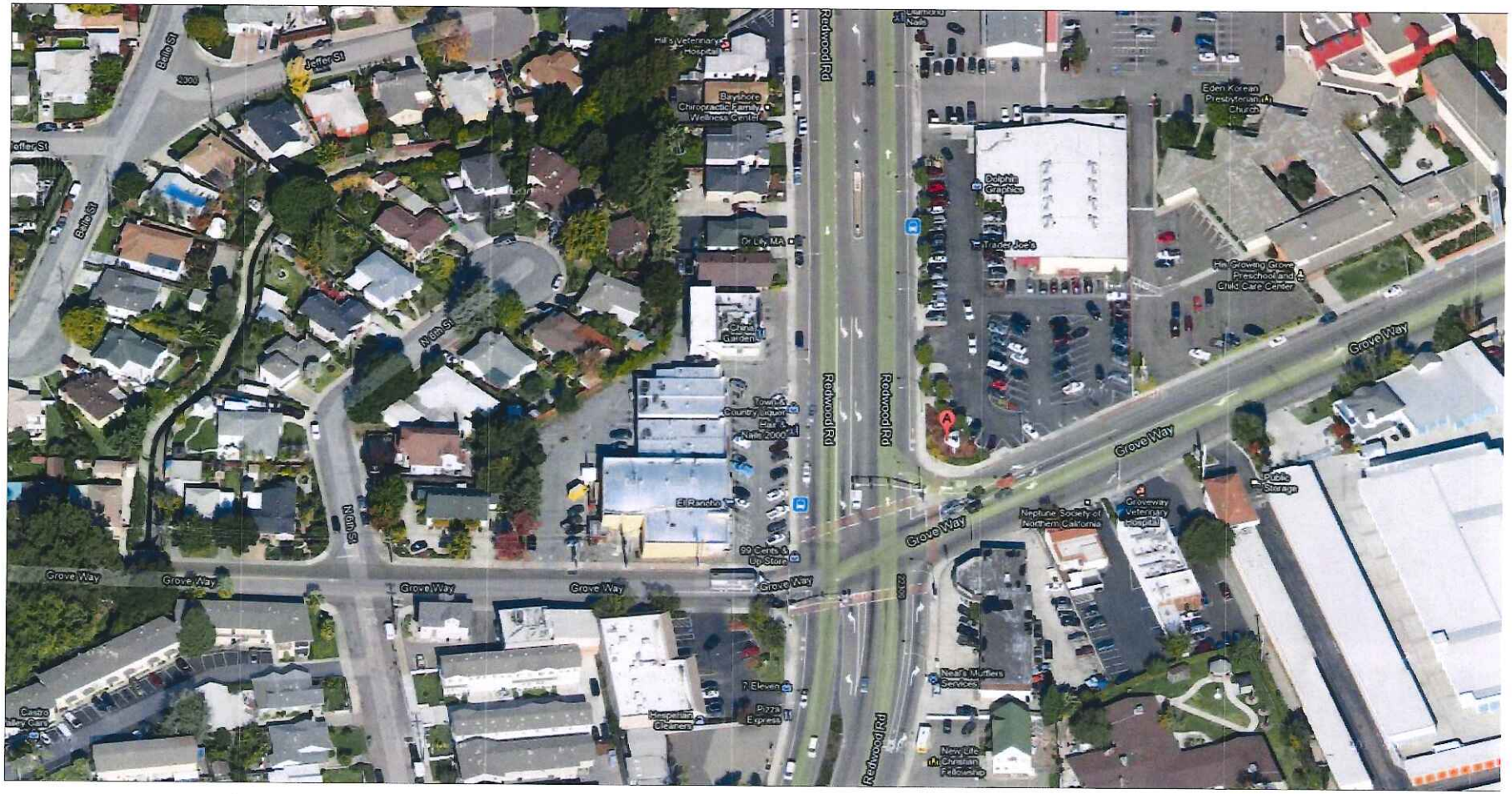
Figure 1

VICINITY MAP
FORMER CHEVRON SERVICE STATION 92960
2416 GROVE WAY
Castro Valley, California

611964-95(012)GN-EM001 APR 30/2012

Google

To see all the details that are visible on the screen, use the "Print" link next to the map.



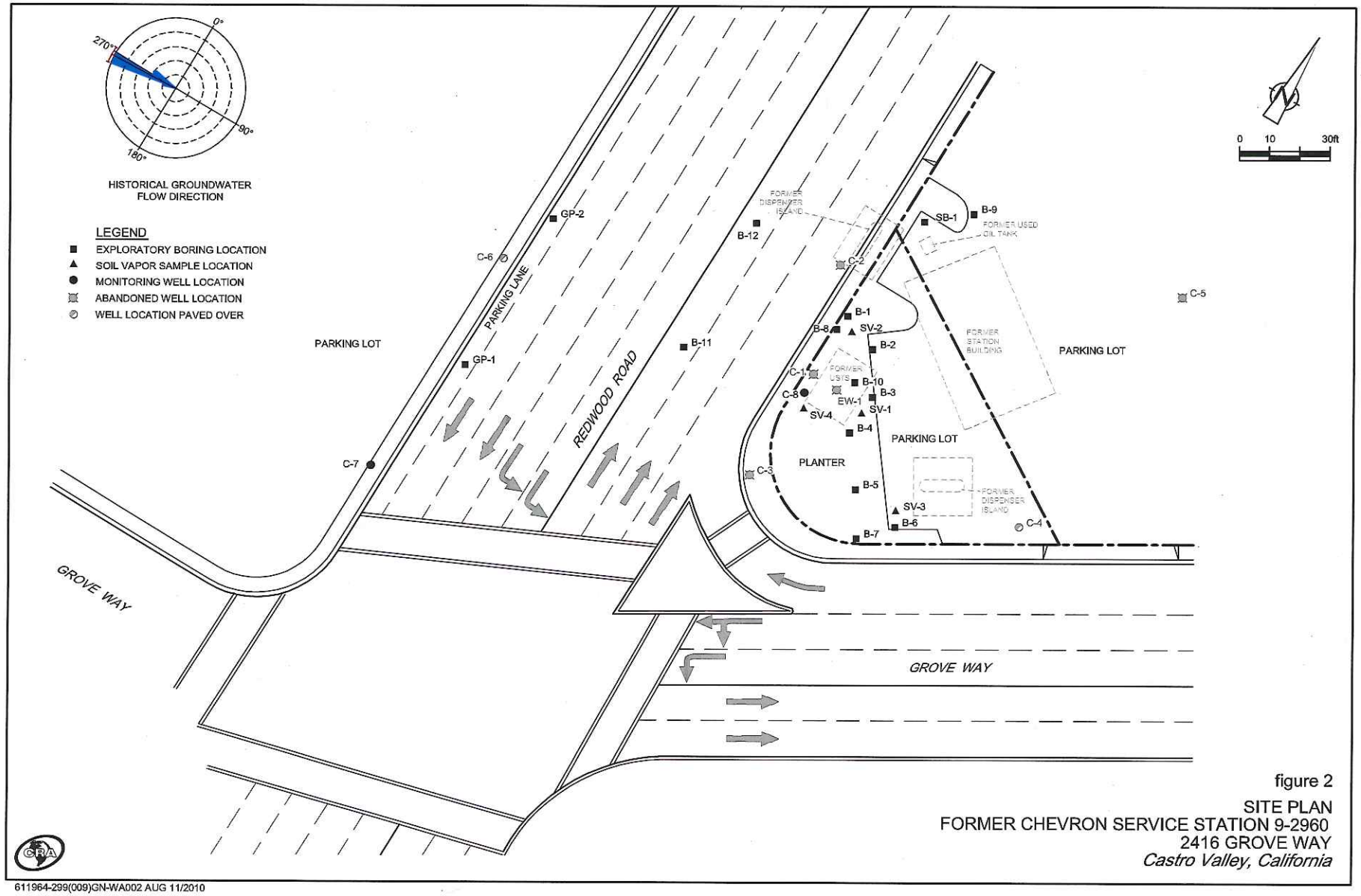


figure 2

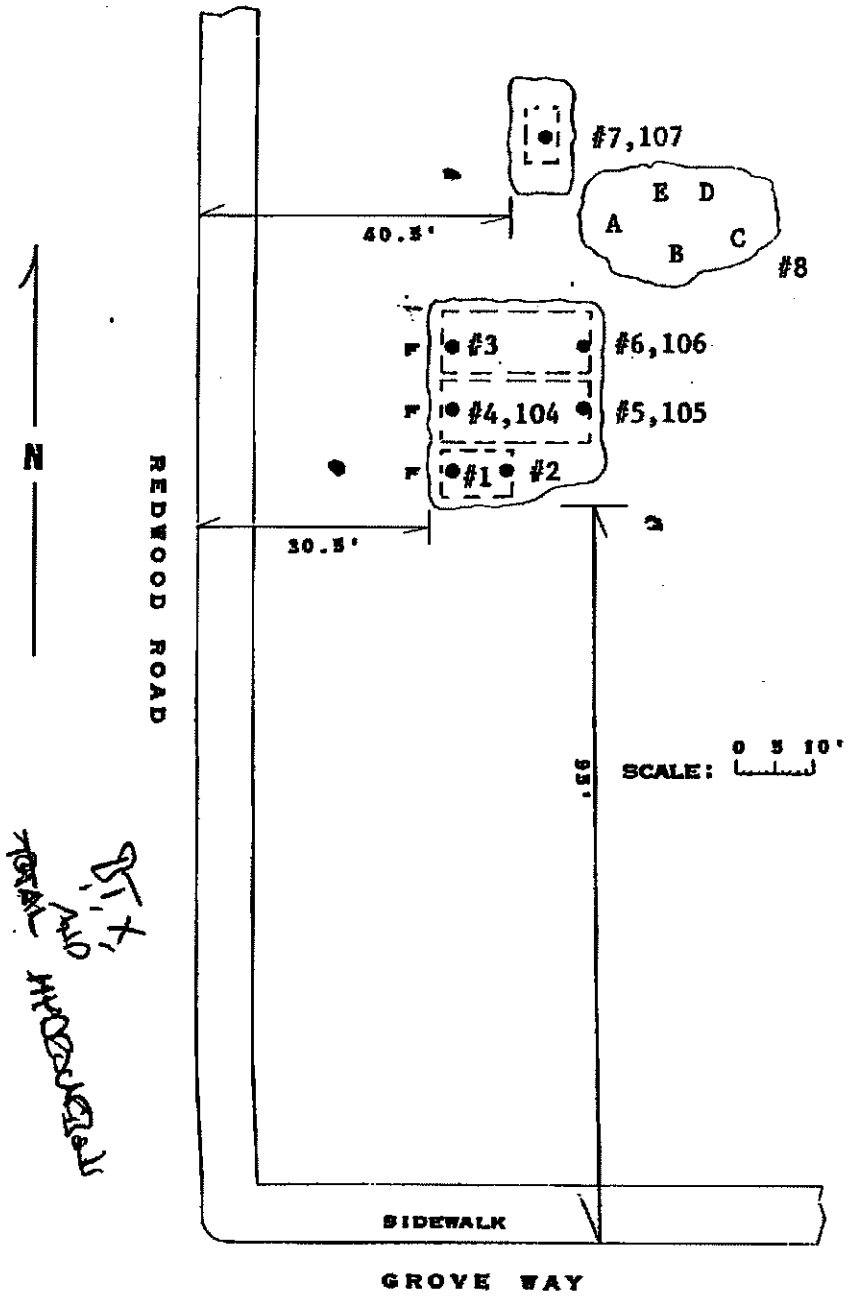
SITE PLAN
FORMER CHEVRON SERVICE STATION 9-2960
2416 GROVE WAY
Castro Valley, California

611964-299(009)GN-WA002 AUG 11/2010

ATTACHMENT 2

BLAINE
TECH SERVICES

SAMPLING REPORT 86170MZ 6-19-86 CHEVRON STN. NO. 2960, REDWOOD RD. & GROVE WAY, CASTRO VALLEY, CA -



MAP REF: THOMAS BROS. ALAMEDA COUNTY P. 28 E-6

LEGEND: F = FILL END

#1 [redacted] FROM 18' [redacted] FOR GASOLINE AT THERMO ANALYTICAL INC/ERG TMA/ERG LAB NO. 8004-1

#2 SOIL FROM 18' ANALYSIS FOR GASOLINE TMA/ERG LAB NO. 8004-2

#3 [redacted] 18' [redacted] FOR GASOLINE TMA/ERG LAB NO. 8004-3

#4 SOIL FROM 12'6" ANALYSIS FOR GASOLINE SAMPLE PLACED ON 'HOLD'

#104 SOIL FROM 18' ANALYSIS FOR GASOLINE TMA/ERG LAB NO. 8004-5

#5 SOIL FROM 12'6" ANALYSIS FOR GASOLINE SAMPLE PLACED ON 'HOLD'

#105 [redacted] 18' [redacted] FOR GASOLINE TMA/ERG LAB NO. 8004-7

#6 SOIL FROM 12'6" ANALYSIS FOR GASOLINE SAMPLE PLACED ON 'HOLD'

#106 SOIL FROM 18' ANALYSIS FOR GASOLINE TMA/ERG LAB NO. 8004-9

#7 SOIL FROM 7' ANALYSIS FOR WASTE OIL TMA/ERG LAB NO. 8004-10

#107 SOIL FROM 9' ANALYSIS FOR WASTE OIL TMA/ERG LAB NO. 8004-11

#8 STOCKPILE SOIL COMPOSITE FROM SAMPLE POINTS A-E AT 12" BELOW SURFACE ANALYSIS FOR GASOLINE TMA/ERG LAB NO. 8004-12

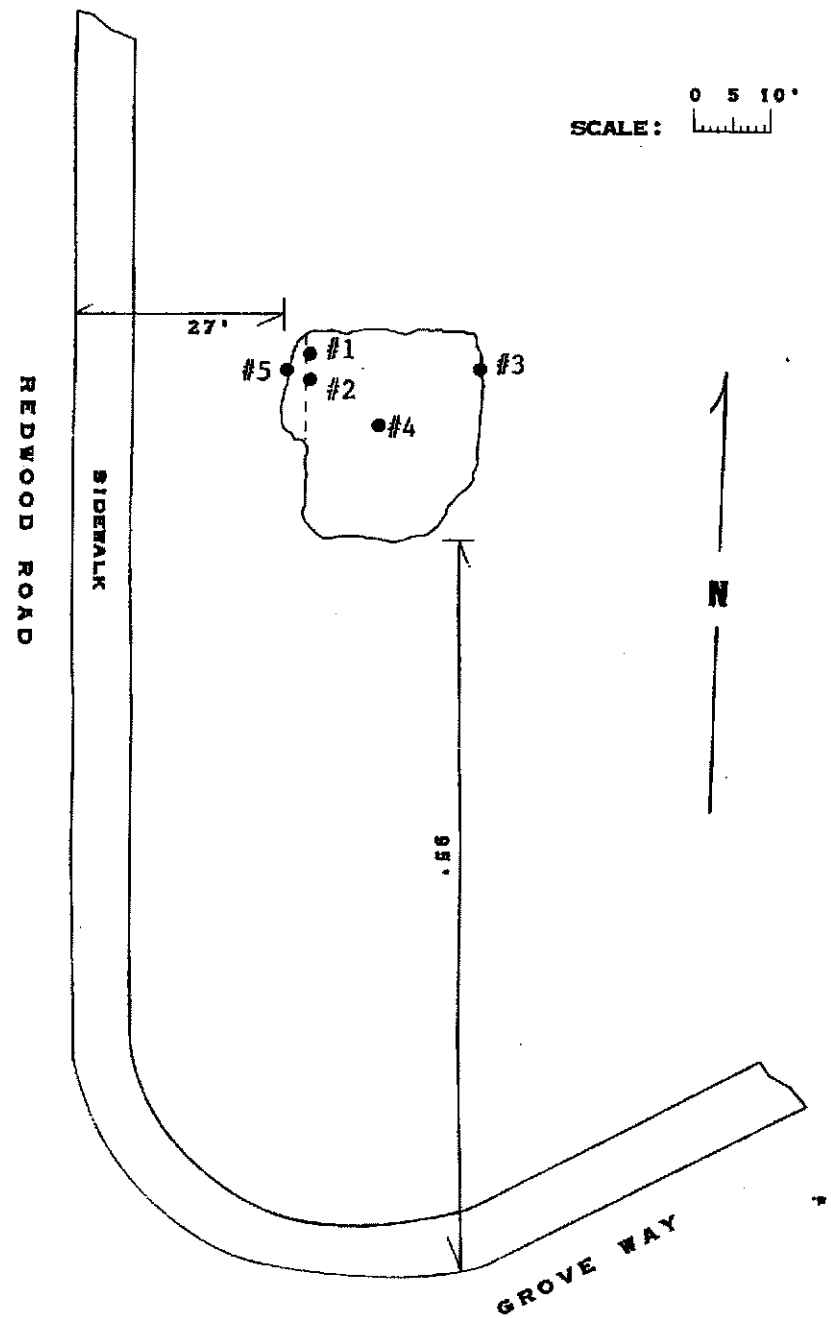
SAMPLING PERFORMED BY
HELEN MAWHINNEY

DIAGRAM PREPARED BY
TAMMIE STALLINGS

Tammie Stallings

BLAINE
TECH SERVICES

SAMPLING REPORT 86220B1 8-8-86 CHEVRON STN. NO. 2960, REDWOOD & GROVE, CASTRO VALLEY, CA



MAP REF: THOMAS BROS.
ALAMEDA COUNTY
P. 28 E-6

#1 SOIL FROM 18'
2,000 PPM-VAPOR
ANALYSIS FOR GASOLINE AT THERMO
ANALYTICAL INC/ERG
TMA/ERG LAB NO. 9103-1

#2 SOIL FROM CAPILLARY ZONE AT 20'
ANALYSIS FOR GASOLINE
TMA/ERG LAB NO. 9103-2

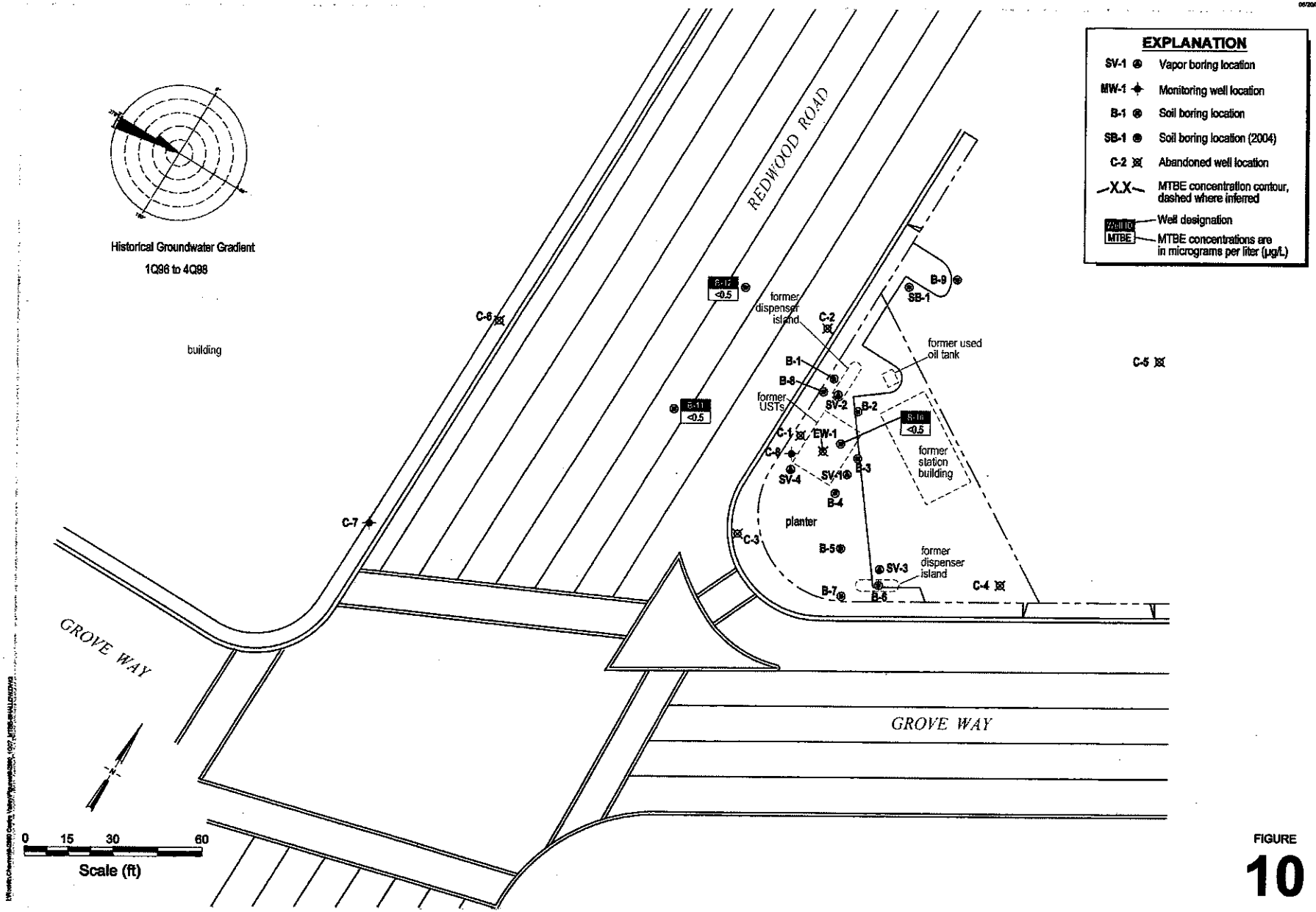
#3 SOIL FROM PIT WALL AT 16-18'
550 PPM-VAPOR
ANALYSIS FOR GASOLINE
TMA/ERG LAB NO. 9103-3

#4 SOIL FROM 23'
550 PPM-VAPOR
ANALYSIS FOR GASOLINE
TMA/ERG LAB NO. 9103-4

#5 SOIL FROM EXTENDED PIT WALL AT 19'
1,500 PPM-VAPOR
ANALYSIS FOR GASOLINE
TMA/ERG LAB NO. 9103-5

SAMPLING PERFORMED BY
RICHARD C. BLAINE

DIAGRAM PREPARED BY
TAMMIE STALLINGS

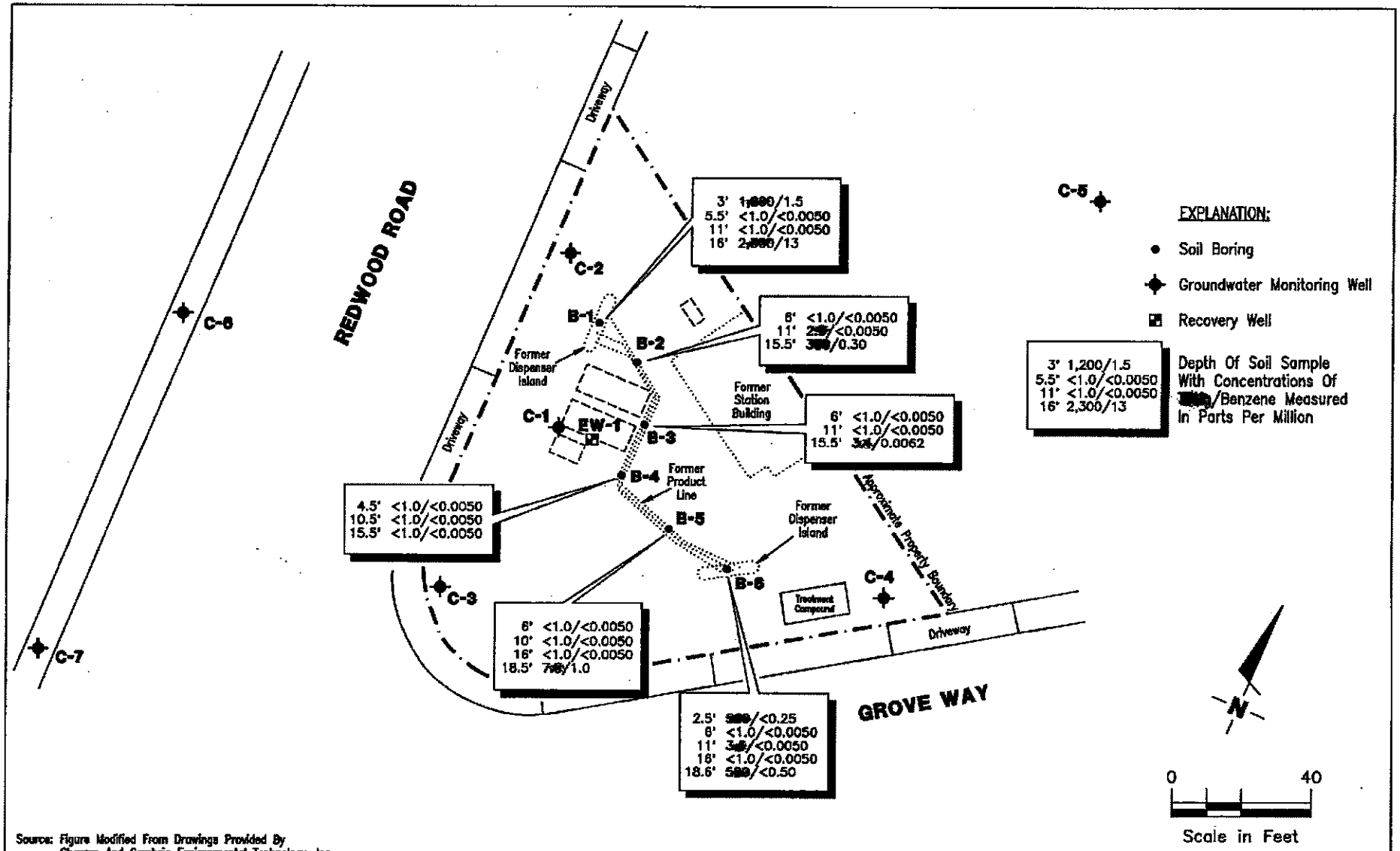


MTBE Concentrations in Groundwater
Deep

CONESTOGA-ROVERS & ASSOCIATES

Former Chevron Service Station 9-2960
2416 Grove Way
Castro Valley, California

FIGURE
10



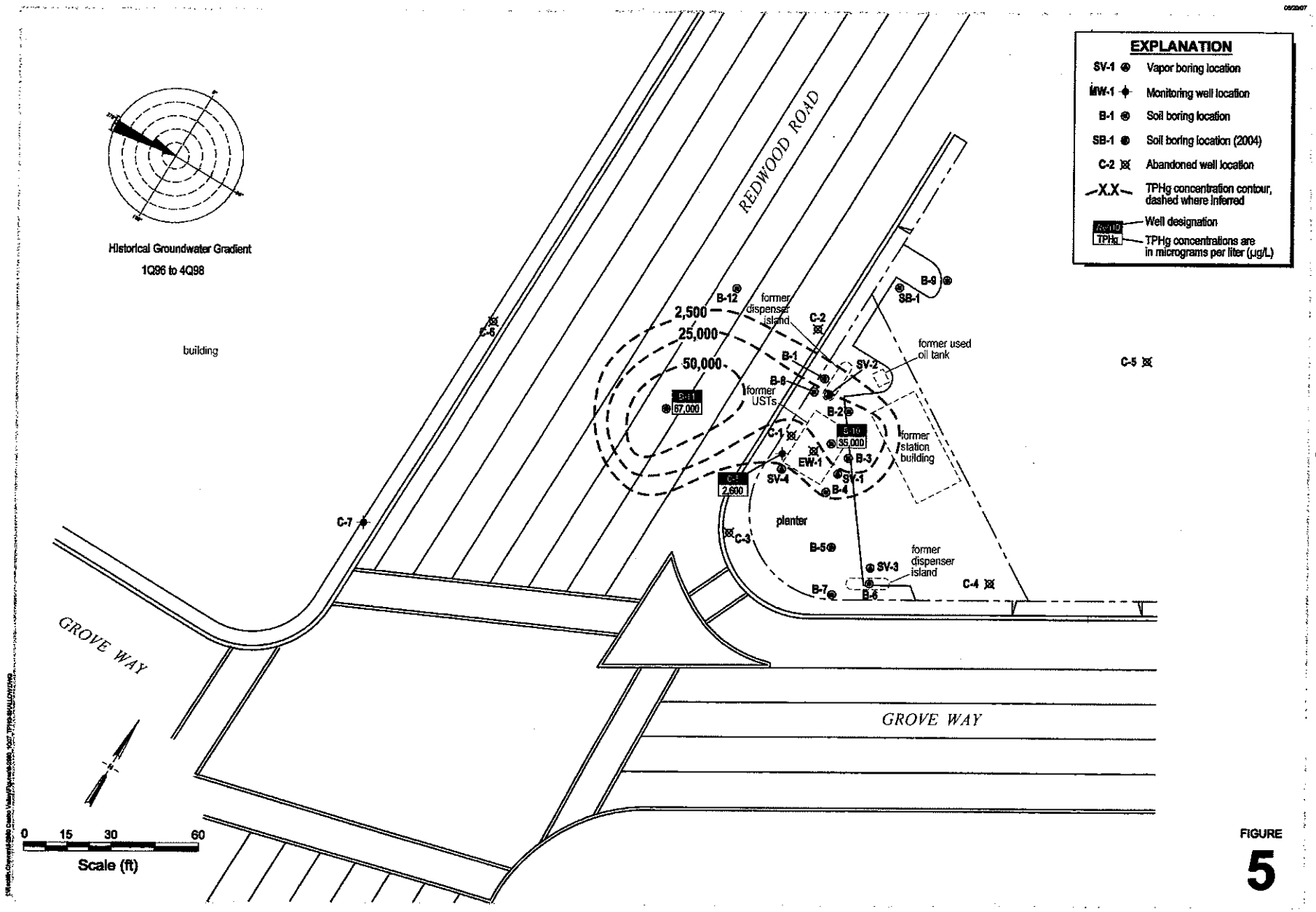
Source: Figure Modified From Drawings Provided By Chevron And Combria Environmental Technology, Inc.

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J (510) 551-7555
Dublin, CA 94568

SOIL CONCENTRATION MAP
Former Chevron Service Station No. 9-2960
2416 Grove Way
Castro Valley, California

FIGURE
2

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
6365		February 5, 1997	

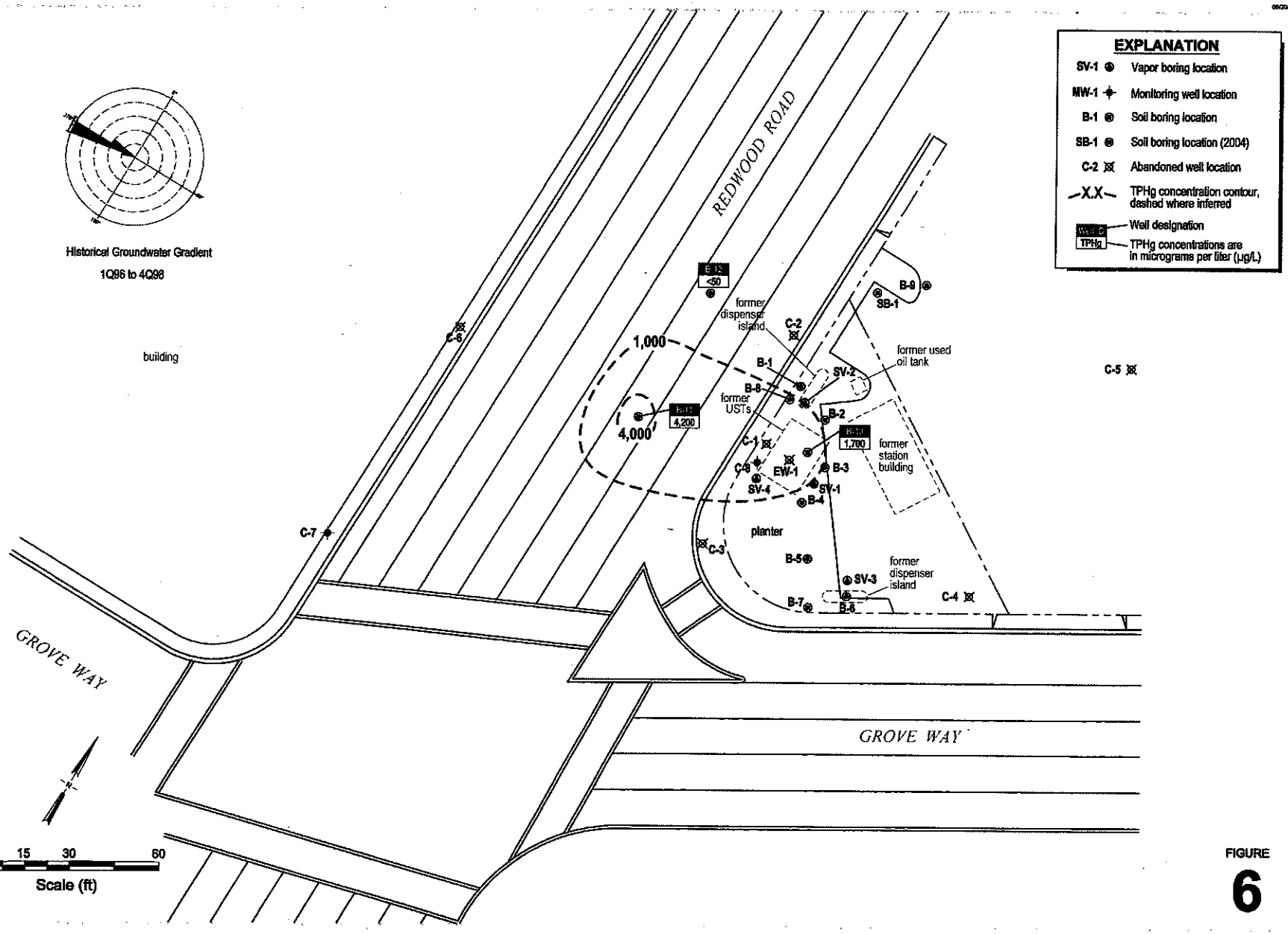


TPHg Concentrations in Groundwater
Shallow

CONESTOGA-ROVERS & ASSOCIATES

Former Chevron Service Station 9-2960
2416 Grove Way
Castro Valley, California

FIGURE
5

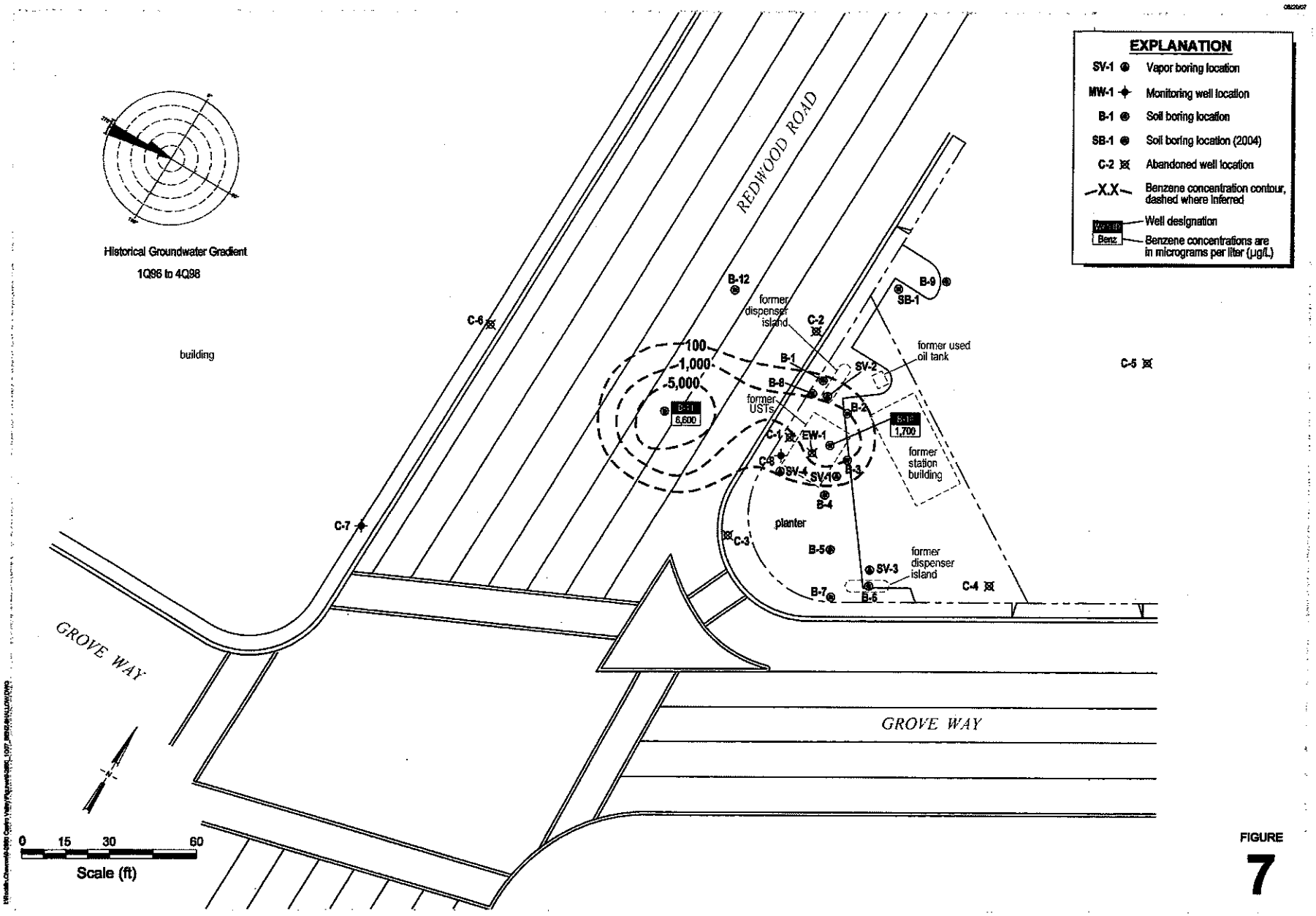


TPHg Concentrations in Groundwater
Deep

CONESTOGA-ROVERS & ASSOCIATES

Former Chevron Service Station 9-2960
2416 Grove Way
Castro Valley, California

FIGURE
6



Benzene Concentrations in Groundwater
Shallow

Former Chevron Service Station 9-2960
2416 Grove Way
Castro Valley, California

CONESTOGA-ROVERS & ASSOCIATES

FIGURE
7

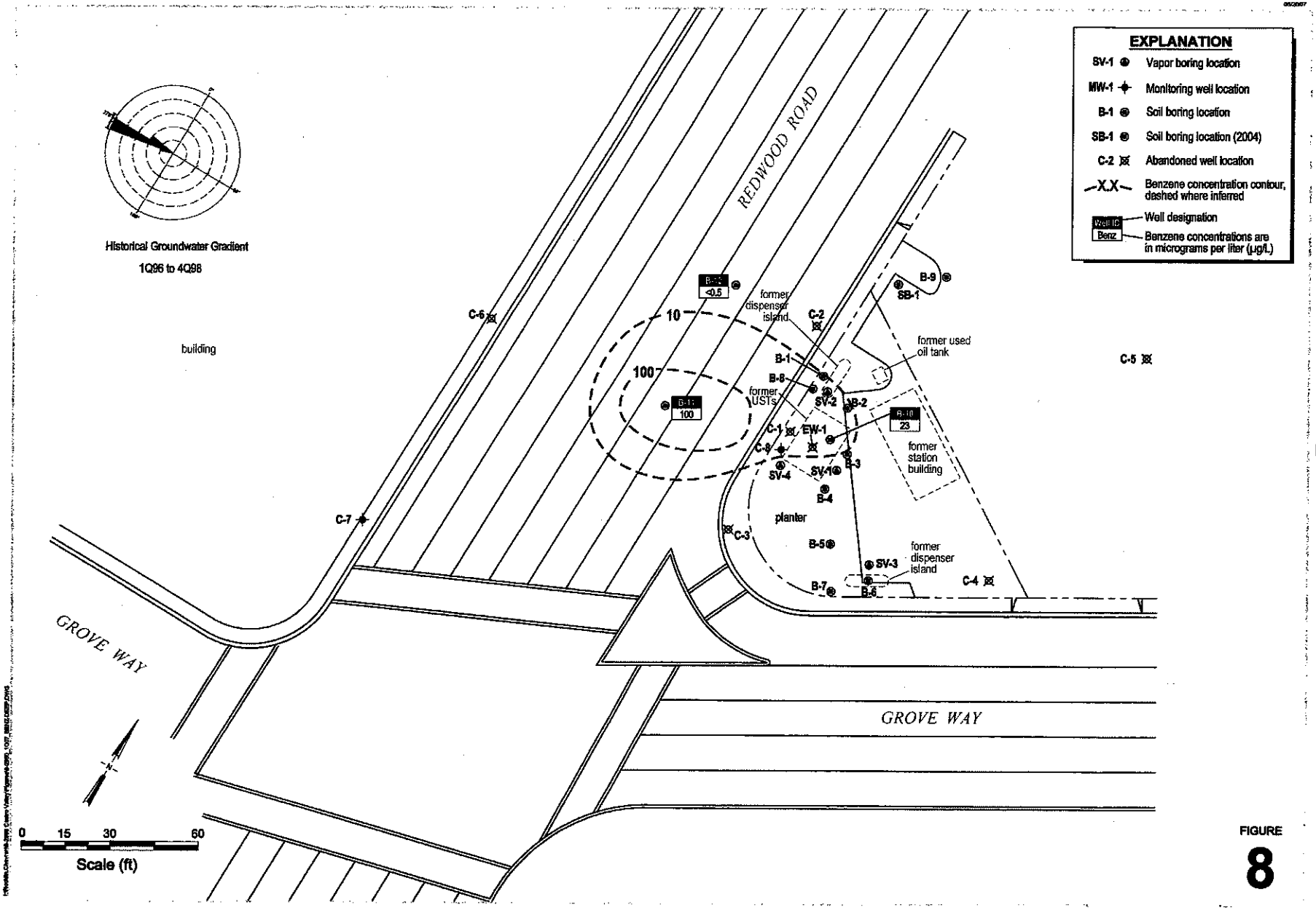


FIGURE
8

Benzene Concentrations in Groundwater
Deep

CONESTOGA-ROVERS & ASSOCIATES

Former Chevron Service Station 9-2960
2416 Grove Way
Castro Valley, California

ATTACHMENT 3

TABLE I

ERG #	CLIENT ID	CONCENTRATION (mg/kg)
8004-1	86170 M2 #1	5200*
8004-2	86170 M2 #2	8.8***
8004-3	86170 M2 #3	14000*
8004-5	86170 M2 #104	620*
8004-7	86170 M2 #105	1300*
8004-9	86170 M2 #106	490*
8004-10	86170 M2 #7	ND(10)**
8004-11	86170 M2 #107	ND(10)**
8004-12	86170 M2 #8	3900*

*gasoline.

**waste oil, by extraction.

***originally reported 3.3, may have a matrix problem.

ND = None detected. The limits of detection are in ( ).

ERG #	CLIENT ID	CONCENTRATION (mg/kg)
9103-1	86220 B1 #1	49
9103-2	86220 B1 #2	170
9103-3	86220 B1 #3	ND(1)
9103-4	86220 B1 #4	1.2
9103-5	86220 B1 #5	30

ND = None detected. The limit of detection is in ( ).

TABLE 1 SOIL CONCENTRATIONS (mg/kg) OF TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL DURING AND FOLLOWING TANK EXCAVATION AT FORMER CHEVRON SERVICE STATION 9-2960, CASTRO VALLEY, CALIFORNIA, 1986

Sample Designation	Location	Depth (ft)	TPH (gm/kg)
19 June[a]			
1	gasoline tank field	18	5,200
2	gasoline tank field	18	8.0
3	gasoline tank field	18	14,000
104	gasoline tank field	18	620
105	gasoline tank field	18	1,300
106	gasoline tank field	18	490
7	waste oil tank field	7	<10
107	waste oil tank field	9	<10
8	soil stockpile[b]	1	3,900
23 July			
10A-C	soil stockpile[b]	4-8	<1
29 July			
1	soil stockpile	0.5	4.2
2	soil stockpile	0.3	<2
3	soil stockpile	0.7	4.0
4	soil stockpile	0.3	24
8 August			
B-1#1	gasoline tankpit	18	49
B-1#2	gasoline tankpit	20	170
B-1#3	gasoline tankpit	16-18	<1
B-1#4	gasoline tankpit	23	1.2
B-1#5	gasoline tankpit	19	30
28 August			
1A-D	soil surface*	0.5-1	110
10 September			
1A-D	soil surface*	0.3-0.5	3.1
2A-D	soil surface	0.3-0.5	4.9

a. Date of tank excavation.
b. Source: Flay 1986a-f; Blaine 1986a-f.
Note: * indicates a composite sample.

Table 1

Historical Soil Sample Results

Former Chevron Station 9-2960, 2416 Grove Way, Castro Valley, CA

Sample ID	Sample Depth (fbg)	Sample Date	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
			Concentrations reported in milligrams per kilogram (mg/kg) = parts per million					
C-5	9.5	8/27/1990	<1	<0.05	<0.05	<0.05	<0.05	--
C-6	15	8/27/1990	<1	<0.05	<0.05	<0.05	<0.05	--
	20.5	8/27/1990	<1	<0.05	<0.05	<0.05	<0.05	--
C-7	14.5	8/27/1990	<1	<0.05	<0.05	<0.05	<0.05	--
B1	3	2/5/1997	**1,200**	**1.5**	<0.5	**4.1**	**18**	--
	5.5	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	11	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	16	2/5/1997	**2,300**	**13**	**64**	**32**	**160**	--
B2	6	2/5/1997	<1	<0.005	0.011	<0.005	**0.015**	--
	11	2/5/1997	**2**	<0.005	<0.005	**0.0055**	**0.018**	--
	15.5	2/5/1997	**330**	**0.3**	**0.63**	**0.81**	**1.6**	--
B3	6	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	11	2/5/1997	<1	<0.005	<0.005	<0.005	**0.01**	--
	15.5	2/5/1997	**3.4**	**0.0062**	**0.0078**	<0.005	**0.075**	--
B4	4.5	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	10.5	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	15.5	2/5/1997	<1	<0.005	<0.005	<0.005	**0.0052**	--
B5	6	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	10	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	16	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	18.5	2/5/1997	**7.5**	**1**	**0.87**	**0.2**	**0.63**	--
B6	2.5	2/5/1997	**560**	<0.25	**0.47**	**2.7**	**8.3**	--
	6	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	11	2/5/1997	**3.3**	<0.005	<0.005	**0.0082**	**0.06**	--
	16	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--

Table 1

Historical Soil Sample Results

Former Chevron Station 9-2960, 2416 Grove Way, Castro Valley, CA

Sample ID	Sample Depth (fbg)	Sample Date	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
			Concentrations reported in milligrams per kilogram (mg/kg) = parts per million					
	18.5	2/5/1997	**580**	<0.5	**0.83**	**5.1**	**32**	--
B7	6.5	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	10	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	15	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
B8	6	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	10	2/8/2002	**24**	<0.005	<0.005	<0.005	**66**	<0.05
B9	6.5	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	10	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	15	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
C-8	6.5	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	10	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	14.5	2/8/2002	**4.3**	<0.005	<0.005	<0.005	<0.015	<0.05
SB-1	10	4/13/2004	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005*
	18	4/13/2004	**3.6**	<0.0005	<0.001	<0.001	<0.001	<0.0005*
	22	4/13/2004	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005*

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by N. CA LUFT Gasoline Method

Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B

Methyl tertiary butyl ether (MTBE) by EPA Method 8021B

*MTBE by EPA Method 8260B

fbg = feet below grade

<x = Not detected above method detection limit

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. SW 4254642

B10-S-10-040413 NA Soil
Facility# 92960 MTI# 61D-1964 CETR
2416 Grove Way-Castro Val T0600100318 B-10
Collected:04/13/2004 08:40 by MT

Account Number: 10880

Submitted: 04/15/2004 08:55
Reported: 05/14/2004 at 12:06
Discard: 06/14/2004

ChevronTexaco C/O Cambria
4111 Citrus Avenue
Suite 9
Rocklin CA 95677

B1010

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	04/15/2004 22:30	Steven A Skiles	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/22/2004 07:25	Anastasia Papadoplos	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	04/22/2004 04:56	Anastasia Papadoplos	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	04/15/2004 15:22	Eric L Vera	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. SW 4254644

B10-S-18-040413 NA Soil
Facility# 92960 MTI# 61D-1964 CETR
2416 Grove Way-Castro Val T0600100318 B-10
Collected:04/13/2004 08:55 by MT

Account Number: 10880

Submitted: 04/15/2004 08:55
Reported: 05/14/2004 at 12:06
Discard: 06/14/2004

ChevronTexaco C/O Cambria
4111 Citrus Avenue
Suite 9
Rocklin CA 95677

B1018

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	3.6	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	04/15/2004 23:06	Steven A Skiles	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/22/2004 08:58	Anastasia Papadoplos	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	04/22/2004 05:01	Anastasia Papadoplos	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	04/15/2004 15:25	Eric L Vera	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. SW 4254645

B10-S-22-040413 NA Soil
Facility# 92960 MTI# 61D-1964 CETR
2416 Grove Way-Castro Val T0600100318 B-10
Collected:04/13/2004 09:10 by MT

Account Number: 10880

Submitted: 04/15/2004 08:55
Reported: 05/14/2004 at 12:06
Discard: 06/14/2004

ChevronTexaco C/O Cambria
4111 Citrus Avenue
Suite 9
Rocklin CA 95677

B1022

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	04/15/2004 23:42	Steven A Skiles	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/22/2004 09:29	Anastasia Papadoplos	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	04/22/2004 05:03	Anastasia Papadoplos	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	04/15/2004 15:31	Eric L Vera	n.a.

Table 1. Analytic Results for Soil Samples - Former Chevron Station 9-2960, 2416 Grove Way, Castro Valley, CA

Sample ID	Sample Depth (ft.)	Sample Date	TPHg	B	T	E	X	MTBE	TBA
			Concentrations reported in milligrams per kilogram (mg/kg) = parts per million						
B-10-5	5	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-10-10	10	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-10-15	15	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-10-20	20	3/21/2007	**1.3**	**0.0006**	<0.001	**0.003**	**0.013**	<0.0005	<0.020
B-10-28	28	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-11-5	5	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-11-10	10	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-11-15	15	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	**0.034**
B-11-20	20	3/21/2007	<1.0	**0.011**	<0.001	**0.003**	**0.001**	<0.0005	**0.068**
B-11-28	28	3/21/2007	<1.0	<0.0005	**0.001**	<0.001	**0.002**	<0.0005	<0.020
B-12-5	5	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-12-10	10	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-12-15	15	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020
B-12-20	20	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.0008**	<0.020
B-12-25	25	3/21/2007	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M

Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B

Methyl tertiary butyl ether (MTBE) by EPA Method 8260B

TBA= t-Butyl alcohol by EPA Method 8260B

<x = Not detected above method detection limit. Analysis for 1,2-Dibromoethane, 1-2, Dichloroethane, Ethyl t-butyl ether, di-Isopropyl ether, and t-Amyl methyl ehter by EPA Method 8260B were non-detect for all samples.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012889

B-10-S-15-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-10
Collected:03/21/2007 09:55 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1015

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 18:17	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/26/2007 17:05	Emiley A King	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 15:30	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:22	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012890

B-10-S-20-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-10
Collected:03/21/2007 10:01 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1020

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	1.3	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1
05460	Benzene	71-43-2	0.0006	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	0.003	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	0.013	0.001	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 18:53	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/26/2007 23:50	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 21:59	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:26	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012891

B-10-S-28-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-10
Collected:03/21/2007 10:35 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1028

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.99
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.99
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 19:29	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 00:14	Nicholas R Rossi	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:01	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:28	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012892

B-11-S-5-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 10:35 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1105

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 20:05	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 00:37	Nicholas R Rossi	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:02	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:31	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012893

B-11-S-10-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 11:36 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 20:42	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 01:47	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:05	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:34	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012894

B-11-S-15-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 11:42 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1
02020	t-Butyl alcohol	75-65-0	0.034	0.020	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 21:18	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 02:10	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:06	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:36	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012895

B-11-S-20-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 11:46 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1
02020	t-Butyl alcohol	75-65-0	0.068	0.020	mg/kg	1
05460	Benzene	71-43-2	0.011	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	0.003	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	0.001	0.001	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 23:06	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 02:34	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:08	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:39	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012896

B-11-S-28-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 12:25 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1128

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.99
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.99
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	0.001	0.001	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	0.002	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 23:42	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 02:57	Nicholas R Rossi	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:10	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:42	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012897

B-12-S-5-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 11:27 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1205

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.99
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.99
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/27/2007 00:18	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 03:20	Nicholas R Rossi	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:11	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:44	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012898

B-12-S-10-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 13:37 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1210

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/27/2007 00:55	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 04:54	Nicholas R Rossi	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:12	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:47	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012899

B-12-S-15-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 13:40 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 22:04	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 05:17	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:16	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:49	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012900

B-12-S-20-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 13:44 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1220

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	0.0008	0.0005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 22:42	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 05:40	Nicholas R Rossi	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:24	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:53	Carrie E Youtzy	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5012901

B-12-S-25-070321 Grab Soil
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 13:53 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/05/2007 at 19:01
Discard: 05/06/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

G1225

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

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All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	03/26/2007 23:20	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	03/27/2007 06:04	Nicholas R Rossi	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	03/26/2007 22:26	Nicholas R Rossi	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	03/26/2007 01:55	Carrie E Youtzy	n.a.

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION 9-2960
2416 GROVE WAY
CASTRO VALLEY, CALIFORNIA

Boring ID	*Sample Depth (fbg)*	*Sample Date*	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*TAME*	*TBA*	*ETBE*	*DIPE*
			← Concentrations reported in milligrams per kilogram (mg/kg) →									
GP-1	5	6/2/10	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.019	<0.001	<0.001
	10	6/2/10	<1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	<0.0009	<0.019	<0.0009	<0.0009
	15	6/2/10	<0.9	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	<0.0009	<0.019	<0.0009	<0.0009
	20	6/2/10	<1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	<0.0009	<0.019	<0.0009	<0.0009
GP-2	5	6/2/10	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.019	<0.001	<0.001
	10	6/2/10	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.019	<0.001	<0.001
	15	6/2/10	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.019	<0.001	<0.001
	20	6/2/10	<1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	<0.0009	<0.019	<0.0009	<0.0009

Abbreviations/Notes:
fbg = feet below grade
TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8015
Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B
MTBE = Methyl tertiary butyl ether by EPA Method 8260B
TAME = Tertiary amyl methyl ether by EPA Method 8260B
TBA = Tertiary butyl alcohol by EPA Method 8260B
ETBE = Ethyl tertiary butyl ether by EPA Method 8260B
DIPE = Di-isopropyl ether by EPA Method 8260B
<x = Not detected at or above stated laboratory reporting limit

Table 3
Historical Grab-Groundwater Sample Results
Former Chevron Station 9-2960, 2416 Grove Way, Castro Valley, CA

Sample ID	Sample Date	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TBA	ETBE	DIPE	TAME
		Concentrations reported in micrograms per liter - µg/L = parts per billion									
B7	2/8/2002	260	0.73	0.71	<2	3.9	<2.5/<0.5*	<5	<0.5	<0.5	<0.5
B8	2/8/2002	8,600	25	15	390	490	<25/<0.5*	<5	<0.5	<0.5	<0.5
B9	2/8/2002	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5*	<5	<0.5	<0.5	<0.5
C-8	3/26/2002	11,000	380	130	120	530	<25/<2*	<100	<2	<2	<2
SB-1	4/13/2004	180	0.5	<0.5	0.9	<0.5	<0.5	--	--	--	--

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M
Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B
*Methyl tertiary butyl ether (MTBE) by EPA Method 8021/*8260B*
MTBE by EPA Method 8260B
Tert-butyl ether (TBA) by EPA Method 8260B
Ethyl tert-butyl ether (ETBE) by EPA method 8260B
Di-isopropyl ether (DIPE) by EPA Method 8260B
Tert-amyl mether ether (TAME) by EPA Method 8260B
<x.x = Not detected above method detection limit

ATTACHMENT 4

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4254646

B10-W-040413 Grab Water
Facility# 92960 MTI# 61D-1964 CETR
2416 Grove Way-Castro Val T0600100318 B-10
Collected:04/13/2004 09:30 by MT

Account Number: 10880

Submitted: 04/15/2004 08:55
Reported: 05/14/2004 at 12:06
Discard: 06/14/2004

ChevronTexaco C/O Cambria
4111 Citrus Avenue
Suite 9
Rocklin CA 95677

B10WW

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	180.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	0.5	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	0.9	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	04/19/2004 19:39	Linda C Pape	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/22/2004 11:21	Carrie J McCullough	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/19/2004 19:39	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/22/2004 11:21	Carrie J McCullough	n.a.

Table 2. Analytic Results for Grab Groundwater Samples - Former Chevron Station 9-2960, 2416 Grove Way, Castro Valley, CA

Sample ID	Sample Date	TPHg	B	T	E	X	MTBE	1,2-DCA	TBA
		Concentrations reported in micrograms per liter (µg/l) = parts per billion							
C-8*	12/28/2006	**2,600**	**110**	**4**	**12**	**12**	<0.5	--	<2
B-10-W-20	3/21/2007	**35,000**	**1,500**	**44**	**2,500**	**6,300**	<3	**7**	**130**
B-10-W-28	3/21/2007	**1,700**	**23**	**2**	**76**	**260**	<0.5	<0.5	**3**
B-11-W-17	3/21/2007	**67,000**	**6,600**	**8,700**	**2,900**	**13,000**	<10	<10	**460**
B-11-W-28	3/21/2007	**4,200**	**100**	**130**	**100**	**480**	<0.5	**4**	**15**
B-12-W-32	3/21/2007	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M

Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B

Methyl tertiary butyl ether (MTBE) by EPA Method 8260B

1,2-DCA= 1,2-Dichloroethane by EPA Method 8260B

TBA= t-Butyl alcohol by EPA Method 8260B

<x = Not detected above method detection limit. Analysis for 1,2-Dibromoethane,Ethyl t-butyl ether, di-Isopropyl ether, and t-Amyl methyl ehter by EPA Method 8260B were non-detect for all samples.

*Monitoring well C-8 was used in the isocancentrations map representing water from its screened interval of 10-20 fbg.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5012880

B-10-W-20-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-10
Collected:03/21/2007 10:12 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW100

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	35,000.	500.	ug/l	10
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3.	ug/l	5
02011	di-Isopropyl ether	108-20-3	N.D.	3.	ug/l	5
02013	Ethyl t-butyl ether	637-92-3	N.D.	3.	ug/l	5
02014	t-Amyl methyl ether	994-05-8	N.D.	3.	ug/l	5
02015	t-Butyl alcohol	75-65-0	130.	10.	ug/l	5
05401	Benzene	71-43-2	1,500.	25.	ug/l	50
05402	1,2-Dichloroethane	107-06-2	7.	3.	ug/l	5
05407	Toluene	108-88-3	44.	3.	ug/l	5
05412	1,2-Dibromoethane	106-93-4	N.D.	3.	ug/l	5
05415	Ethylbenzene	100-41-4	2,500.	25.	ug/l	50
06310	Xylene (Total)	1330-20-7	6,300.	25.	ug/l	50

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 4.

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	03/29/2007 18:24	Linda C Pape	10
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 08:16	Dawn M Harle	5
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 08:37	Dawn M Harle	50
01146	GC VOA Water Prep	SW-846 5030B	1	03/29/2007 18:24	Linda C Pape	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/02/2007 08:16	Dawn M Harle	5

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Analysis Report

Lancaster Laboratories Sample No. WW 5012881

B-10-W-28-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-10
Collected: 03/21/2007 10:41 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW108

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	1,700.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	3.	2.	ug/l	1
05401	Benzene	71-43-2	23.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	2.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	76.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	260.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	03/29/2007 20:45	Linda C Pape	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 08:57	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/29/2007 20:45	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/02/2007 08:57	Dawn M Harle	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5012882

B-11-W-17-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 11:57 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW117

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	67,000.	2,500.	ug/l	50
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	10.	ug/l	20
02011	di-Isopropyl ether	108-20-3	N.D.	10.	ug/l	20
02013	Ethyl t-butyl ether	637-92-3	N.D.	10.	ug/l	20
02014	t-Amyl methyl ether	994-05-8	N.D.	10.	ug/l	20
02015	t-Butyl alcohol	75-65-0	460.	40.	ug/l	20
05401	Benzene	71-43-2	6,600.	50.	ug/l	100
05402	1,2-Dichloroethane	107-06-2	N.D.	10.	ug/l	20
05407	Toluene	108-88-3	8,700.	50.	ug/l	100
05412	1,2-Dibromoethane	106-93-4	N.D.	10.	ug/l	20
05415	Ethylbenzene	100-41-4	2,900.	10.	ug/l	20
06310	Xylene (Total)	1330-20-7	13,000.	50.	ug/l	100

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 3.

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	03/29/2007 19:06	Linda C Pape	50
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 09:18	Dawn M Harle	20
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 09:38	Dawn M Harle	100
01146	GC VOA Water Prep	SW-846 5030B	1	03/29/2007 19:06	Linda C Pape	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/02/2007 09:18	Dawn M Harle	20

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Analysis Report

Lancaster Laboratories Sample No. WW 5012882

B-11-W-17-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 11:57 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW117

01163	GC/MS VOA Water Prep	SW-846 5030B	2	04/02/2007 09:38	Dawn M Harle	100

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Analysis Report

Lancaster Laboratories Sample No. WW 5012883

B-11-W-28-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-11
Collected:03/21/2007 12:27 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW118

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	4,200.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	15.	2.	ug/l	1
05401	Benzene	71-43-2	100.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	4.	0.5	ug/l	1
05407	Toluene	108-88-3	130.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	100.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	480.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	03/29/2007 21:15	Linda C Pape	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 09:59	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/29/2007 21:15	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/02/2007 09:59	Dawn M Harle	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5012884

B-12-W-32-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 14:04 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW122

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1

The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.
The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 4.

06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 4.

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor

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Analysis Report

Lancaster Laboratories Sample No. WW 5012884

B-12-W-32-070321 Grab Water
Facility# 92960 MTI# 61H-1964 CETK
2416 Grove Way-Castro Val T0600100318 B-12
Collected:03/21/2007 14:04 by RR

Account Number: 11997

Submitted: 03/23/2007 10:00
Reported: 04/04/2007 at 15:20
Discard: 05/05/2007

Chevron c/o Cambria
Suite 110
2000 Opportunity Drive
Roseville CA 95678

GW122

01728	TPH-GRO - Waters	SW-846 8015B modified	1	03/29/2007 22:17	Linda C Pape	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/02/2007 10:19	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/29/2007 22:17	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/02/2007 10:19	Dawn M Harle	1

TABLE 2

GROUNDWATER SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION 9-8341
3530 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

Boring ID	*Sample Depth (fbg)*	*Sample Date*	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*TAME*	*TBA*	*ETBE*	*DIPE*
			← Concentrations reported in micrograms per liter (µg/L) →									
GP-1	20	6/2/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5
	35	6/2/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5
GP-2	20	6/2/10	89	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5
	34	6/2/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5

Abbreviations/Notes:

fbg = feet below grade
TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8015
Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B
MTBE = Methyl tertiary butyl ether by EPA Method 8260B
TAME = Tertiary amyl methyl ether by EPA Method 8260B
TBA = Tertiary butyl alcohol by EPA Method 8260B
ETBE = Ethyl tertiary butyl ether by EPA Method 8260B
DIPE = Di-isopropyl ether by EPA Method 8260B
<x = Not detected at or above stated laboratory reporting limit

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-8											
03/26/02[2]	153.41	137.96	15.45	0.00	0.00	11,000	380	130	120	530	<25/<2[1]
06/17/02	153.41	137.03	16.38	0.00	0.00	11,000	490	65	170	470	<20/<2[1]
09/17/02	153.41	136.71	16.70	0.00	0.00	6,800	410	12	70	130	46/<2[1]
12/02/02	153.41	136.61	16.80	0.00	0.00	7,200	440	14	75	140	<20/<2[1]
03/03/03	153.41	137.61	15.80	0.00	0.00	7,000	330	16	62	110	<10/<0.5[1]
06/16/03[3]	153.41	137.52	15.89	0.00	0.00	7,400	400	17	71	120	<0.5
09/15/03[4]	153.41	136.87	16.54	0.00	0.00	2,500	200	5	56	16	<0.5
12/15/03[4]	153.41	137.07	16.34	0.00	0.00	5,900	320	18	51	140	<0.5
03/01/04[4]	153.41	138.55	14.86	0.00	0.00	7,800	250	14	61	55	<0.5
06/28/04[4]	153.41	137.05	16.36	0.00	0.00	5,700	280	11	46	53	<0.5
09/13/04[4]	153.41	136.39	17.02	0.00	0.00	2,200	180	5	33	8	<0.5
12/22/04[4]	153.41	137.29	16.12	0.00	0.00	1,700	170	4	15	5	<0.5
03/04/05[4]	153.41	138.63	14.78	0.00	0.00	5,400	180	8	43	30	<0.5
06/30/05[4]	153.41	137.97	15.44	0.00	0.00	3,900	160	6	16	19	<0.5
09/16/05[4]	153.41	137.21	16.20	0.00	0.00	3,500	160	6	10	18	<0.5
12/21/05[4]	153.41	137.31	16.10	0.00	0.00	2,300	110	4	10	18	<0.5
03/21/06[4]	153.41	139.03	14.38	0.00	0.00	6,200	130	6	32	36	<0.5
06/21/06[4]	153.41	138.17	15.24	0.00	0.00	6,100	100	11	38	120	<0.5
09/05/06[4]	153.41	137.25	16.16	0.00	0.00	5,400	130	11	29	96	<0.5
12/28/06[4]	153.41	137.60	15.81	0.00	0.00	2,600	110	4	12	12	<0.5
03/26/07[4]	153.41	137.74	15.67	0.00	0.00	2,700	91	3	13	5	<0.5
06/26/07[4]	153.41	137.19	16.22	0.00	0.00	3,900	71	4	8	15	<0.5
09/26/07[4]	153.41	136.85	16.56	0.00	0.00	3,600	83	4	18	31	<0.5
12/20/07[4]	153.41	137.38	16.03	0.00	0.00	2,600	69	4	15	26	<0.5
02/29/08[4]	153.41	138.63	14.78	0.00	0.00	2,400	52	3	16	9	<0.5
05/09/08[4]	153.41	137.86	15.55	0.00	0.00	2,300	40	3	6	5	<0.5
09/19/08[4]	153.41	136.85	16.56	0.00	0.00	1,300	43	1	3	5	<0.5
12/04/08[4]	153.41	137.04	16.37	0.00	0.00	1,700	34	2	4	8	<0.5
03/05/09[4]	153.41	138.40	15.01	0.00	0.00	1,200	14	0.7	2	1	<0.5
06/23/09[4]	153.41	137.50	15.91	0.00	0.00	1,300	14	0.6	1	1	<0.5
03/16/10[4]	153.41	138.70	14.71	0.00	0.00	2,100	21	3	8	6	<0.5
09/21/10[4]	153.41	137.67	15.74	0.00	0.00	1,200	18	0.8	2	2	<0.5
03/23/11[4]	153.41	138.95	14.46	0.00	0.00	1,200	5	0.8	3	1	<0.5
03/20/12[4]	**153.41**	**137.93**	**15.48**	**0.00**	**0.00**	**950**	**7**	**0.6**	**1**	**1**	**<0.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-1											
10/23/86	153.36	--	--	--	--	3,100	6,400	3,700	--	4,300	--
09/10/87	153.36	--	--	--	--	120,000	25,000	60,000	13,000	56,000	--
10/03/90	153.36	134.69	18.67	--	--	--	--	--	--	--	--
10/25/90	153.36	135.22	18.71	0.71	--	--	--	--	--	--	--
01/22/91	153.36	135.22	18.70	0.70	--	--	--	--	--	--	--
02/21/91	153.36	135.44	18.62	0.88	--	--	--	--	--	--	--
04/01/91	153.36	136.47	16.91	0.03	--	--	--	--	--	--	--
04/11/91	153.36	136.49	16.90	0.04	--	--	--	--	--	--	--
07/01/91	153.36	135.75	17.61	0.00	--	--	--	--	--	--	--
09/24/91	153.36	135.17	18.98	0.99	--	--	--	--	--	--	--
10/23/91	153.36	135.03	19.32	1.24	--	--	--	--	--	--	--
11/22/91	153.36	134.53	18.83	0.97	--	--	--	--	--	--	--
01/09/92	153.36	136.10	17.26	--	--	--	--	--	--	--	--
03/06/92	153.36	137.16	16.69	0.61	--	--	--	--	--	--	--
06/04/92	153.36	136.44	17.10	0.22	--	--	--	--	--	--	--
09/28/92	153.36	--	18.71	0.77	--	--	--	--	--	--	--
12/17/92	153.36	--	17.54	0.45	--	--	--	--	--	--	--
04/29/93	153.36	137.50	16.40	0.68	--	--	--	--	--	--	--
07/26/93	153.36	136.92	16.85	0.51	--	--	--	--	--	--	--
10/22/93	153.36	135.55	17.83	0.03	--	--	--	--	--	--	--
01/24/94	153.36	--	--	--	--	--	--	--	--	--	--
04/11/94	153.36	136.01	17.76	0.51	--	--	--	--	--	--	--
07/01/94	153.36	135.95	17.46	0.06	--	--	--	--	--	--	--
10/06/94	153.36	135.24	18.18	0.08	--	--	--	--	--	--	--
01/11/95	153.36	136.63	16.79	0.08	0.039	--	--	--	--	--	--
04/07/95	153.36	139.23	14.13	--	--	44,000	410	100	130	5,400	--
07/20/95	153.36	136.84	16.52	--	--	16,000	96	81	53	1,000	--
09/22/95	153.36	137.22	16.14	--	--	59,000	150	36	16	56	--
04/26/96	153.36	137.31	16.05	--	--	7,200	1,300	340	130	390	--
07/22/96	153.36	143.14	10.22	--	--	7,300	2,500	170	360	520	--
10/17/96	153.36	137.64	15.72	--	--	19,000	3,400	59	360	430	--
01/23/97	153.36	138.91	14.45	--	--	15,000	2,900	390	250	480	--
07/10/97	153.36	137.19	16.17	--	--	13,000	2,100	69	200	380	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-1 (cont)											
01/15/98	153.36	INACCESSIBLE		--	--	--	--	--	--	--	--
01/16/98	153.36	138.63	14.73	--	--	4,700	1,200	<20	140	40	--
07/09/98	153.36	138.14	15.22	--	--	9,900	1,500	60	150	170	--
ABANDONED											
C-2											
10/23/86	151.84	--	--	--	--	30,000	2,700	1,900	--	1,500	--
09/10/87	151.84	--	--	--	--	14,000	2,600	2,900	500	1,200	--
10/16/89	151.84	--	--	--	--	600	260	34	1.7	41	--
01/04/90	151.84	--	--	--	--	2,600	470	150	23	130	--
04/05/90	151.84	--	--	--	--	500	280	29	6.3	19	--
07/02/90	151.84	--	--	--	--	2,400	670	110	17	76	--
10/03/90	151.84	--	--	--	--	--	--	--	--	--	--
10/25/90	151.84	135.24	16.60	--	--	1,300	390	47	9.0	58	--
01/22/91	151.84	135.15	16.69	--	--	2,600	680	88	29	130	--
02/21/91	151.84	135.53	16.31	--	--	--	--	--	--	--	--
04/01/91	151.84	136.76	15.08	--	--	--	--	--	--	--	--
09/24/91	151.84	135.33	16.51	--	--	3,600	1,400	63	6.9	63	--
10/23/91	151.84	135.18	16.66	--	--	--	--	--	--	--	--
11/22/91	151.84	135.47	16.37	--	--	--	--	--	--	--	--
01/09/92	151.84	136.28	15.56	--	--	7,100	770	740	190	690	--
03/06/92	151.84	137.47	14.37	--	--	3,200	250	230	59	220	--
06/04/92	151.84	136.80	15.04	--	--	1,500	<0.5	180	42	130	--
09/28/92	151.84	135.44	16.40	--	--	6,400	940	230	57	220	--
12/17/92	151.84	136.46	15.38	--	--	1,500	370	160	6.0	25	--
04/29/93	151.84	136.87	14.97	--	--	1,800	690	120	74	140	--
07/29/93	151.84	136.92	14.92	--	--	4,300	1,500	96	29	96	--
10/22/93	151.84	136.03	15.81	--	--	820	560	57	15	58	--
01/24/94	151.84	--	--	--	--	--	--	--	--	--	--
04/11/94	151.84	136.49	15.35	--	--	2,000	240	48	36	110	--
07/01/94	151.84	136.44	15.40	--	--	370	55	12	3.1	8.6	--
10/06/94	151.84	135.84	16.00	--	--	150	47	4.8	1.8	5.4	--
01/11/95	151.84	137.06	14.78	--	--	52	0.65	<0.5	<0.5	<0.5	--
04/07/95	151.84	138.93	12.91	--	--	1,500	260	64	52	85	--
07/20/95	151.84	136.81	15.03	--	--	3,000	500	100	96	110	--
09/22/95	151.84	137.05	14.79	--	--	2,000	630	120	20	79	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-2 (cont)											
01/02/96	151.84	137.37	14.47	--	--	1,900	240	110	58	180	<12
04/26/96	151.84	137.97	13.87	--	--	1,300	340	190	44	120	--
07/22/96	151.84	136.73	15.11	--	--	3,700	1,100	140	150	330	--
10/17/96	151.84	136.80	15.04	--	--	22,000	3,900	1,600	350	1,800	--
01/23/97	151.84	138.86	12.98	--	--	2,000	260	48	76	94	--
07/10/97	151.84	137.21	14.63	--	--	5,100	710	200	190	380	--
01/15/98	153.36	INACCESSIBLE		--	--	--	--	--	--	--	--
01/16/98	151.84	138.61	13.23	--	--	7,600	1,600	130	320	650	--
07/09/98	151.84	138.17	13.67	--	--	10,000	1,100	410	180	410	--
ABANDONED											
C-3											
10/23/86	154.13	--	--	--	--	3,300	49	24	--	20	--
09/10/87	154.13	--	--	--	--	200	110	2.6	<2.0	<2.0	--
10/16/89	154.13	--	--	--	--	900	640	4.2	1.6	16	--
01/04/90	154.13	--	--	--	--	920	430	7.0	6.0	7.0	--
04/05/90	154.13	--	--	--	--	930	690	3.4	5.1	4.8	--
07/02/90	154.13	--	--	--	--	1,700	590	11	4.8	9.4	--
10/03/90	154.13	134.97	19.16	--	--	--	--	--	--	--	--
10/25/90	154.13	134.85	19.28	--	--	750	510	2.0	6.0	5.0	--
01/22/91	154.13	134.95	19.18	--	--	430	260	2.0	2.0	5.0	--
01/22/91	154.13	134.95	19.18	--	--	400	250	2.0	2.0	5.0	--
02/21/91	154.13	135.25	18.88	--	--	--	--	--	--	--	--
04/01/91	154.13	136.54	17.59	--	--	--	--	--	--	--	--
04/11/91	154.13	136.32	17.81	--	--	--	--	--	--	--	--
07/01/91	154.13	135.57	18.56	--	--	--	--	--	--	--	--
09/24/91	154.13	135.01	19.12	--	--	260	52	0.7	0.8	2.2	--
10/23/91	154.13	134.89	19.24	--	--	--	--	--	--	--	--
11/22/91	154.13	135.10	19.03	--	--	--	--	--	--	--	--
01/09/92	154.13	135.90	18.23	--	--	240	120	0.9	<0.5	1.6	--
03/06/92	154.13	137.09	17.04	--	--	230	68	1.2	1.2	1.3	--
06/04/92	154.13	136.34	17.79	--	--	80	36	0.6	0.5	0.7	--
09/28/92	154.13	135.13	19.00	--	--	84	49	<0.5	<0.5	1.5	--
12/17/92	154.13	135.95	18.18	--	--	220	30	<0.5	<0.5	<0.5	--
04/29/93	154.13	135.35	18.78	--	--	380	12	0.6	<0.5	<1.5	--
07/26/93	154.13	136.41	17.72	--	--	800	38	1.1	<0.5	<1.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-3 (cont)											
10/22/93	154.13	135.63	18.50	--	--	200	64	0.6	<0.5	<1.5	--
01/24/94	154.13	135.62	18.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	154.13	136.09	18.04	--	--	100	3.6	2.1	<0.5	2.3	--
07/01/94	154.13	136.01	18.12	--	--	140	3.7	1.2	<0.5	1.0	--
10/06/94	154.13	135.50	18.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	154.13	137.01	17.12	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	154.13	138.34	15.79	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/20/95	154.13	136.37	17.76	--	--	<50	1.5	1.9	<0.5	3.5	--
09/22/95	154.13	136.58	17.55	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	154.13	136.88	17.25	--	--	<50	<0.5	<0.5	<0.5	1.1	<2.5
04/26/96	154.13	137.42	16.71	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	154.13	136.50	17.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	154.13	136.33	17.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	154.13	138.33	15.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	154.13	136.63	17.50	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/15/98	154.13	137.98	16.15	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/16/98	154.13	138.04	16.09	--	--	REGAUGE	--	--	--	--	--
07/09/98	154.13	137.57	16.56	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
ABANDONED											
C-4											
10/23/86	156.00	--	--	--	--	570	3.0	4.0	--	5.0	--
09/10/87	156.00	--	--	--	--	500	3.0	<0.5	<0.5	<0.5	--
10/16/89	156.00	--	--	--	--	<500	12	1.0	<0.5	0.8	--
01/04/90	156.00	--	--	--	--	<500	5.0	<0.5	<0.5	0.9	--
04/05/90	156.00	--	--	--	--	<50	6.6	<0.5	<0.5	0.7	--
07/02/90	156.00	--	--	--	--	71	4.1	<0.5	<0.5	<0.5	--
10/03/90	156.00	--	--	--	--	--	--	--	--	--	--
10/25/90	156.00	135.57	20.43	--	--	<50	2.0	<0.5	<0.5	<0.5	--
01/22/91	156.00	135.50	20.50	--	--	<50	3.0	<0.5	<0.5	<0.5	--
02/21/91	156.00	135.77	20.23	--	--	--	--	--	--	--	--
04/01/91	156.00	136.97	19.03	--	--	--	--	--	--	--	--
04/11/91	156.00	136.95	19.05	--	--	--	--	--	--	--	--
07/01/91	156.00	136.10	19.90	--	--	--	--	--	--	--	--
09/24/91	156.00	135.59	20.41	--	--	87	1.6	<0.5	<0.5	<0.5	--
10/23/91	156.00	135.47	20.53	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-4 (cont)											
11/22/91	156.00	135.65	20.35	--	--	--	--	--	--	--	--
01/09/92	156.00	136.46	19.54	--	--	51	4.3	<0.5	<0.5	<0.5	--
01/09/92	156.00	136.46	19.54	--	--	<50	4.8	<0.5	<0.5	<0.5	--
03/06/92	156.00	137.74	18.26	--	--	<50	0.8	<0.5	<0.5	<0.5	--
06/04/92	156.00	137.08	18.92	--	--	<50	<0.5	<0.5	<0.5	0.7	--
09/28/92	156.00	135.69	20.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/92	156.00	136.43	19.57	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/29/93	156.00	138.22	17.78	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/26/93	156.00	--	--	--	--	--	--	--	--	--	--
08/18/93	156.00	137.09	18.91	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/93	156.00	136.61	19.39	--	--	<50	2.9	2.1	1.1	4.3	--
01/24/94	156.00	136.58	19.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	156.00	136.86	19.14	--	--	<50	<0.5	0.6	<0.5	0.5	--
07/01/94	156.00	136.80	19.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/06/94	156.00	136.26	19.74	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	156.00	139.70	16.30	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	156.00	139.49	16.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/20/95	156.00	137.20	18.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/95	156.00	137.26	18.74	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	156.00	137.65	18.35	--	--	<50	1.6	1.8	0.95	4.1	<2.5
04/26/96	156.00	138.43	17.57	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	156.00	137.00	19.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	156.00	136.96	19.04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	156.00	139.31	16.69	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	156.00	137.46	18.54	--	--	SAMPLED ANNUALLY		--	--	--	--
01/15/98	156.00	143.92	12.08	--	--	<50	1.0	1.4	<0.5	3.5	--
01/16/98	156.00	138.84	17.16	--	--	REGAUGE		--	--	--	--
07/09/98	156.00	138.29	17.71	--	--	--	--	--	--	--	--
01/08/99	156.00	139.19	16.81	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/09/99	156.00	UNABLE TO LOCATE		--	--	--	--	--	--	--	--
02/01/00	156.00	UNABLE TO LOCATE		--	--	--	--	--	--	--	--
08/21/00	156.00	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
01/25/01	156.00	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
07/10/01	156.00	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-4 (cont)											
01/08/02	156.00	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
03/26/02	156.00	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
06/17/02	156.00	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
PAVED OVER											
C-5											
10/03/90	153.38	135.60	17.78	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/25/90	153.38	135.46	17.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/09/90	153.38	135.46	17.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/22/91	153.38	135.58	17.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/21/91	153.38	135.87	17.51	--	--	--	--	--	--	--	--
04/01/91	153.38	137.07	16.31	--	--	--	--	--	--	--	--
04/11/91	153.38	137.02	16.36	--	--	--	--	--	--	--	--
07/01/91	153.38	136.26	17.12	--	--	--	--	--	--	--	--
09/24/91	153.38	135.68	17.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/24/91	153.38	135.68	17.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/23/91	153.38	135.56	17.82	--	--	--	--	--	--	--	--
11/22/91	153.38	135.77	17.61	--	--	--	--	--	--	--	--
01/09/92	153.38	136.34	17.04	--	--	<50	<0.5	0.7	<0.5	<0.5	--
03/06/92	153.38	137.62	15.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/04/92	153.38	136.98	16.40	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/28/92	153.38	135.80	17.58	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/92	153.38	136.56	16.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/29/93	153.38	138.14	15.24	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/26/93	153.38	137.08	16.30	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/93	153.38	136.30	17.08	--	--	52	2.3	2.7	1.1	5.2	--
01/24/94	153.38	136.25	17.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	153.38	136.75	16.63	--	--	<50	<0.5	0.7	<0.5	0.6	--
07/01/94	153.38	136.73	16.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/06/94	153.38	136.16	17.22	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	153.38	137.41	15.97	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	153.38	139.37	14.01	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/20/95	153.38	137.17	16.21	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/95	153.38	137.07	16.31	--	--	62	<0.5	<0.5	<0.5	0.61	--
01/02/96	153.38	137.56	15.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/26/96	153.38	138.41	14.97	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-5 (cont)											
07/22/96	153.38	137.06	16.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	153.38	136.88	16.50	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	153.38	139.18	14.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
ABANDONED											
C-6											
10/03/90	152.84	134.70	18.14	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/25/90	152.84	134.55	18.29	--	--	<50	<0.5	1.0	<0.5	<0.5	--
11/09/90	152.84	134.58	18.26	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/22/91	152.84	134.69	18.15	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/21/91	152.84	134.92	17.92	--	--	--	--	--	--	--	--
04/01/91	152.84	135.73	17.11	--	--	--	--	--	--	--	--
04/11/91	152.84	135.83	17.01	--	--	--	--	--	--	--	--
07/01/91	152.84	135.12	17.72	--	--	--	--	--	--	--	--
09/24/91	152.84	135.72	17.12	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/23/91	152.84	134.59	18.25	--	--	--	--	--	--	--	--
11/22/91	152.84	134.79	18.05	--	--	--	--	--	--	--	--
01/09/92	152.84	135.42	17.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/06/92	152.84	136.33	16.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/04/92	152.84	135.83	17.01	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/28/92	152.84	134.84	18.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/92	152.84	135.58	17.26	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/29/93	152.84	136.61	16.23	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/29/93	152.84	135.88	16.96	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/93	152.84	135.38	17.46	--	--	74	7.4	6.1	3.3	9.7	--
01/24/94	152.84	135.38	17.46	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	152.84	135.64	17.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/01/94	152.84	135.66	17.18	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/06/94	152.84	135.19	17.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	152.84	136.18	16.66	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	152.84	137.25	15.59	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/20/95	152.84	135.80	17.04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/95	152.84	135.74	17.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	152.84	136.08	16.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/26/96	152.84	136.64	16.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/22/96	152.84	135.79	17.05	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-6 (cont)											
10/17/96	152.84	135.62	17.22	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	152.84	136.99	15.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	152.84	135.95	16.89	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/15/98	152.84	136.64	16.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/16/98	152.84	136.74	16.10	--	--	REGAUGE	--	--	--	--	--
07/09/98	152.84	136.71	16.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/99	152.84	137.57	15.27	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/09/99	152.84	136.60	16.24	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/01/00	152.84	136.57	16.27	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/21/00	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
01/25/01	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
07/10/01	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
01/08/02	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
03/26/02	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
06/17/02	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
PAVED OVER											
C-7											
10/03/90	155.34	134.52	20.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/25/90	155.34	134.43	20.91	--	--	<50	<0.5	1.0	<0.5	<0.5	--
11/09/90	155.34	134.40	20.94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/22/91	155.34	133.84	21.50	--	--	<50	4.0	<0.5	<0.5	<0.5	--
02/21/91	155.34	134.63	20.71	--	--	--	--	--	--	--	--
04/01/91	155.34	135.34	20.00	--	--	--	--	--	--	--	--
04/11/91	155.34	135.29	20.05	--	--	--	--	--	--	--	--
07/01/91	155.34	134.82	20.52	--	--	--	--	--	--	--	--
09/24/91	155.34	134.52	20.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/23/91	155.34	134.43	20.91	--	--	--	--	--	--	--	--
11/22/91	155.34	134.55	20.79	--	--	--	--	--	--	--	--
01/09/92	155.34	135.18	20.16	--	--	<50	<0.5	<0.5	<0.5	0.9	--
03/06/92	155.34	135.92	19.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/04/92	155.34	135.53	19.81	--	--	250	<0.5	<0.5	<0.5	<0.5	--
09/28/92	155.34	134.69	20.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/92	155.34	135.32	20.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/29/93	155.34	136.19	19.15	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/26/93	155.34	135.57	19.77	--	--	<50	<0.5	<0.5	<0.5	<1.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-7 (cont)											
10/22/93	155.34	135.17	20.17	--	--	--	--	--	--	--	--
01/24/94	155.34	135.11	20.23	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	155.34	135.39	19.95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/01/94	155.34	135.42	19.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/06/94	155.34	135.03	20.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	155.34	135.98	19.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	155.34	136.84	18.50	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/20/95	155.34	135.46	19.88	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/95	155.34	135.38	19.96	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	155.34	135.64	19.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/26/96	155.34	136.17	19.17	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	155.34	135.49	19.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	155.34	135.34	20.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	155.34	136.44	18.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	155.34	135.58	19.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/15/98	155.34	136.02	19.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/16/98	155.34	136.14	19.20	--	--	REGAUGE	--	--	--	--	--
07/09/98	155.34	136.02	19.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/99	155.34	136.83	18.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/09/99	155.34	136.16	19.18	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
02/01/00	155.34	136.21	19.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/21/00	155.34	136.16	19.18	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
01/25/01	155.34	136.09	19.25	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
07/10/01	155.34	136.17	19.17	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0[1]
01/08/02	155.34	136.31	19.03	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/26/02	155.08	--	--	--	--	--	--	--	--	--	--
02/29/08[4]	155.34	136.77	18.57	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
DISCONTINUED MONITORING / SAMPLING											
TRIP BLANK											
04/26/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/15/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
TRIP BLANK (cont)											
07/09/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/01/00	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/21/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
01/25/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
07/10/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA											
01/08/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/26/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/17/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/17/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/02/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/03/03	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/16/03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/15/03[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/15/03[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/01/04[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/28/04[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/13/04[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/22/04[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/04/05[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/30/05[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/16/05[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/21/05[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/21/06[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/21/06[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/05/06[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/28/06[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/26/07[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/26/07[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/26/07[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/20/07[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/29/08[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/19/08[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/19/08[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
QA (cont)											
12/04/08[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/05/09[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/23/09[4]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
DISCONTINUED											

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to August 21, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
SPHT = Separate Phase Hydrocarbons Thickness

TPH-G = Total Petroleum Hydrocarbons as Gasoline
TPH = Total Petroleum Hydrocarbons
GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene

X = Xylenes
MTBE = Methyl Tertiary Butyl Ether
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank
(µg/L) = Micrograms per liter

* TOC elevations were surveyed in April 2002, by Morrow Surveying. Elevations are based on Alameda County Benchmark No. 259, brass disc top of concrete guard rail & retaining wall abutment along east side "A" Street and on CL + N. 5th Street extended, (Elevation = 138.79 feet).

1 MTBE by EPA Method 8260.
2 Well development performed.
3 TPH-G, BTEX and MTBE by EPA Method 8260.
4 BTEX and MTBE by EPA Method 8260.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID	DATE	TBA (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)
C-8	03/26/02	<100	<2	<2	<2	<2
	06/17/02	<100	<2	<2	<2	<2
	09/17/02	<100	<2	<2	<2	<2
	12/02/02	<100	<2	<2	<2	<2
	03/03/03	<5	<0.5	<0.5	<0.5	<0.5
	06/16/03	<5	<0.5	<0.5	<0.5	<0.5
	09/15/03	5	<0.5	<0.5	<0.5	<0.5
	12/15/03	<5	<0.5	<0.5	<0.5	<0.5
	03/01/04	<5	<0.5	<0.5	<0.5	<0.5
	06/28/04	<5	<0.5	<0.5	<0.5	<0.5
	09/13/04	<5	<0.5	<0.5	<0.5	<0.5
	12/22/04	<5	<0.5	<0.5	<0.5	<0.5
	03/04/05	<5	<0.5	<0.5	<0.5	<0.5
	06/30/05	<5	<0.5	<0.5	<0.5	<0.5
	09/16/05	<5	<0.5	<0.5	<0.5	<0.5
	12/21/05	<5	<0.5	<0.5	<0.5	<0.5
	03/21/06	<5	<0.5	<0.5	<0.5	<0.5
	06/21/06	<5	<0.5	<0.5	<0.5	<0.5
	09/05/06	<5	<0.5	<0.5	<0.5	<0.5
	12/28/06	<2	<0.5	<0.5	<0.5	<0.5
	03/26/07	<2	<0.5	<0.5	<0.5	<0.5
	06/26/07	<2	<0.5	<0.5	<0.5	<0.5
	09/26/07	<2	<0.5	<0.5	<0.5	<0.5
	12/20/07	<2	<0.5	<0.5	<0.5	<0.5
	02/29/08	<2	<0.5	<0.5	<0.5	<0.5
	05/09/08	<2	<0.5	<0.5	<0.5	<0.5
	09/19/08	<2	<0.5	<0.5	<0.5	<0.5
	12/04/08	<2	<0.5	<0.5	<0.5	<0.5
	03/05/09	2	<0.5	<0.5	<0.5	<0.5
	06/23/09	<2	<0.5	<0.5	<0.5	<0.5
	03/16/10	<2	<0.5	<0.5	<0.5	<0.5
	09/21/10	<2	<0.5	<0.5	<0.5	<0.5
	03/23/11	<2	<0.5	<0.5	<0.5	<0.5
	03/20/12	**<2**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

WELL ID	DATE	TBA (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)
C-7	07/10/01	<20	<2.0	<2.0	<2.0	<2.0
	02/29/08	<2	<0.5	<0.5	<0.5	<0.5
	DISCONTINUED MONITORING / SAMPLING					

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2960

2416 Grove Way

Castro Valley, California

EXPLANATIONS:

TBA = t-Butyl alcohol
MTBE = Methyl Tertiary Butyl Ether
DIPE = di-Isopropyl ether
ETBE = Ethyl t-butyl ether
TAME = t-Amyl methyl ether
(µg/L) = Micrograms per liter

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 4. ESL Analyses, Trader Joe's Area Wells, Residential Exposure
Former Chevron Station #9-2960, 2416 Grove Way, Castro Valley, CA

Sample ID	Depth (ft.)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
Shallow Soil ESLs			(concentrations reported in mg/kg)				
B-10	10	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005
	18	3.6	<0.0005	<0.001	<0.001	<0.001	<0.0005
	22	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005
Indoor Impacts ESL		(No ESL)	0.18	180	4.7	45	2.0
Groundwater ESLs			(concentrations reported in µg/L)				
B-10W	22	180	0.5	<0.5	0.9	<0.5	<0.5
Indoor Impacts ESL		(No ESL)	530	500,000	14,000	150,000	24,000
Soil Vapor ESLs			(concentrations reported in µg/m^3)				
SV1	5	NA	<1100	<1200	<1400	<2800	NA
SV2	3.6	NA	100	16.0	5.1	<7.2	NA
SV3	3.5	NA	10.0	3.6	<3.6	6.3	NA
SV4	4	NA	<2.3	4.9	<3.2	9.0	NA
Indoor Impacts ESL		(No ESL)	84	83,000	2,200	21,000	

Abbreviations/Notes:

TPHg = Total petroleum hydrocarbons as gasoline

MTBE = Methyl-tertiary butyl ether

mg/kg = milligrams per kilogram

µg/L = micrograms per liter

µg/m^3 = micrograms per cubic meter

<x = not detected above laboratory reporting limits

NA = Not analyzed.

ESL = Environmental screening level, from: *Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater*, dated July 2003, by the Regional Water Quality Control Board-San Francisco Bay Region.

ATTACHMENT 5

Table 2
Shallow Soil Vapor Sample Results
Former Chevron Station 9-2960, 2416 Grove Way, Castro Valley, CA

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes
		Concentrations reported in micrograms per cubic meter = µg/m3			
SV-1	5/18/2004	<1,100*	<1,200*	<1,400*	<1,400*
SV-2	5/18/2004	**100**	16	5.1	<3.6
SV-3	5/18/2004	9.7	3.6	<3.6	6.3
SV-4	5/18/2004	<2.3	4.9	<3.2	9
ESL	Residential	84	83,000	2,200	21,000
ESL	Commercial	280	230,000	7,400	58,000

Abbreviations/Notes:

Benzene, toluene, ethylbenzene and xylenes (BTEX) by Modified EPA Method TO-14A

<x = Not detected above laboratory detection limit

* indicates laboratory detection limit raised due to presence of non-target species, 2-proponal

Bold value indicates concentration exceeding residential ESL for shallow soil gas

ESL= Environmental Screening Level from SFBRWQCB, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, dated July 2003. ESL values from Table E-2.
Shallow soil gas screening levels for evaluation of potential indoor-air impacts (volatile chemicals only), using the lowest residential and carcinogenic effects for residential exposure value and the lowest commercial/industrial land use value.

AIR TOXICS LTD.

SAMPLE NAME: SV1

ID#: 0405332B-01A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.16	1.0
Carbon Dioxide	0.016	13

Container Type: 6 Liter Summa Canister

AIR TOXICS LTD.

SAMPLE NAME: SV2

ID#: 0405332B-02A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.16	1.7
Carbon Dioxide	0.016	11

Container Type: 6 Liter Summa Canister

AIR TOXICS LTD.

SAMPLE NAME: SV2 Duplicate

ID#: 0405332B-02AA

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.16	1.7
Carbon Dioxide	0.016	11

Container Type: 6 Liter Summa Canister

AIR TOXICS LTD.

SAMPLE NAME: SV3

ID#: 0405332B-03A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.16	20
Carbon Dioxide	0.016	0.47

Container Type: 6 Liter Summa Canister

AIR TOXICS LTD.

SAMPLE NAME: SV4

ID#: 0405332B-04A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.14	22
Carbon Dioxide	0.014	1.2

Container Type: 6 Liter Summa Canister

ATTACHMENT 6

EMCON ASSOCIATES

LOG OF EXPLORATORY BORING

No. 800-85.4 : 10-01-86

CLIENT G.R. CHEVRON

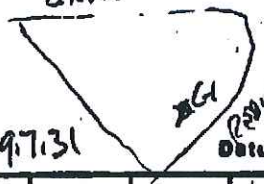
LOCATION REDWOOD ; GROVE CASTRO VLY.

LOGGED BY EBL DRILLER BAYLAND

BORING No. C-1

Sheet 1 of 1

Field location of boring: CROSS



Ground Elev. 97.31 Datum

Drilling method H-S AUGER

Hole dia. 8"

Casing installation data SLOTTED 3' PVC FROM 30 TO 10 FEET; SOLID TO SURFACE; SAND PACK to 8 FEET; BENTONITE TO 7 FT; CONCRETE TO SURFACE!

Water level	16.8'	16.4' (BOS) 1227	16.47
Time	1030		1550
Date	10-1-86	10-1-86	10-1-86

Pocket Torr vane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)
					2		SC
		10/12/12	DR-L 100%	(1)	4		SM
					6		
					8		
		6/9/9	DR-L 100%	(2)	10		
CHANGE AT 12 FT.					12		
							SP/SW
	2.5	7/5/7	DR-L 100%	(3)	14		
					16		
					18		
		6/10/20	DR-L 100%	(4)	20		
					22		
					24		
		21/20/40	DR-L 100%	(5)	26		
					28		
		25/40 12"	DR-L 100%	(6)	30		

CLAYEY SAND to SILTY SAND FILL; DARK BROWN (10YR, 4/2); 20-30% FINES; FINE to COARSE SAND, TRACE GRAVEL; WOOD FRAGMENTS; MEDIUM DENSE; DRY; NPD.

@ 9 FT: MOIST; STRONG GASOLINE ODOR

SAND, CLAY — INTERBEDDED: OLIVE GRAY (5Y, 4/2): MOIST; STRONG GASOLINE ODOR; SP: FINE GRAINED; TRACE MEDIUM GRAINED; LOOSE; CLAY: VERY STIFF; SW: FINE TO COARSE GRAINED; LOOSE.

@ 19 FT: SP AND SW: DENSE; WET; STRONG GASOLINE ODOR

@ 24 FT: SP, SW: VERY DENSE; [redacted] ODOR

@ 29 FT: SP: 5-10% FINES; SW: TRACE GRAVEL; NO PRODUCT ODOR

BOTTOM OF BORING AT 30 FEET.

PRELIMINARY

WELL DETAILS

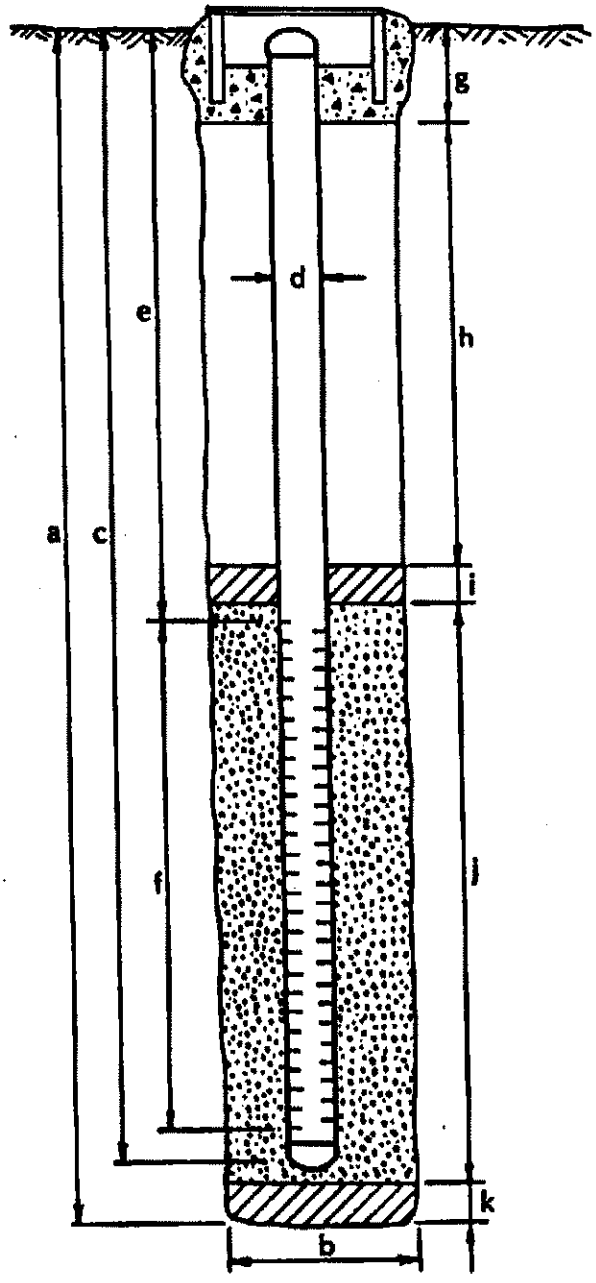
PROJECT NUMBER 800-85.01 BORING / WELL NO. C-1

PROJECT NAME G.-R. Chevron, Castro Vly. TOP OF CASING ELEV. 97.31

COUNTY Alameda GROUND SURFACE ELEV. _____

WELL PERMIT NO. _____ DATUM Project

G-5 vault box (Std.)



EXPLORATORY BORING

a. Total depth 30 ft.

b. Diameter 8 in.

Drilling method Hollow-Stem Auger

WELL CONSTRUCTION

c. Casing length 30 ft.

Material Schedule 40 PVC

d. Diameter 3 in.

e. Depth to top perforations 10 ft.

f. Perforated length 20 ft.

Perforated interval from 10 to 30 ft.

Perforation type Machined Slot

Perforation size 0.020 inch

g. Surface seal 7 ft.

Seal material Concrete

h. Backfill - ft.

Backfill material - -

i. Seal 1 ft.

Seal material Bentonite

j. Gravel pack (30 to 8 ft.) 22 ft.

Pack material Coarse Aquarium Sand

k. Bottom seal - ft.

Seal material - -

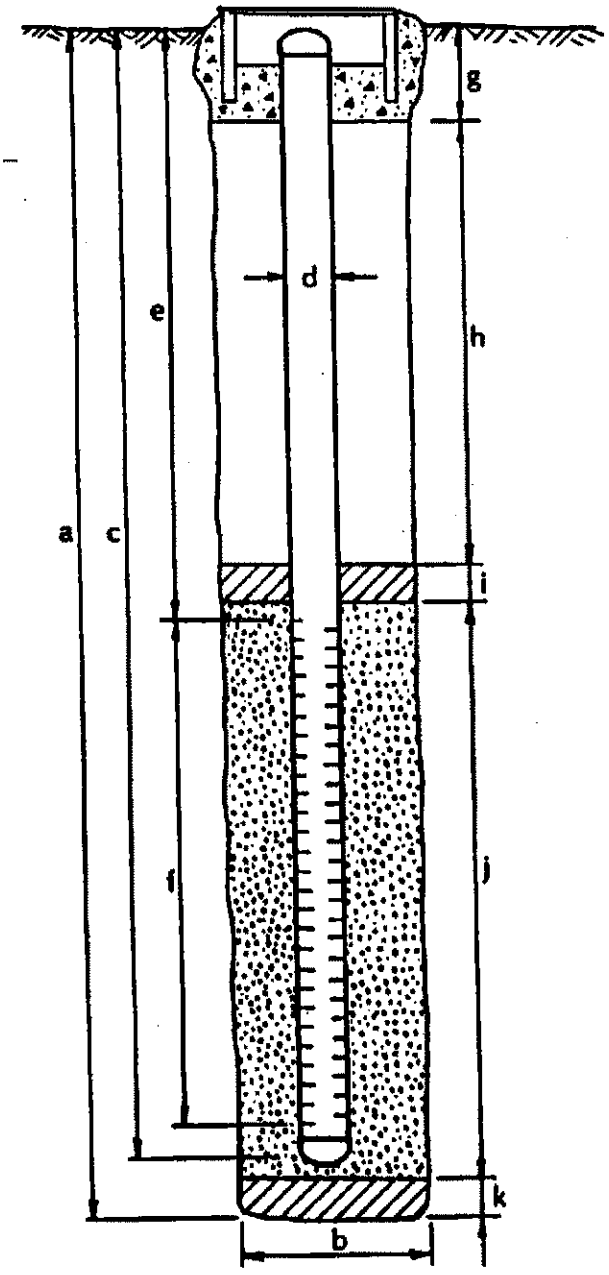
DRAFT

PLATE

WELL DETAILS

PROJECT NUMBER 800-85.01 — BORING / WELL NO. C-2
PROJECT NAME G.-R. Chevron, Castro Vly. — TOP OF CASING ELEV. 96.33
COUNTY Alameda — GROUND SURFACE ELEV. ____
WELL PERMIT NO. ____ — DATUM Project

G-5 vault box (Std.)



EXPLORATORY BORING

a. Total depth 30.5 ft.
b. Diameter 8 in.
Drilling method Hollow-Stem Auger

WELL CONSTRUCTION

c. Casing length 30 ft.
Material Schedule 40 PVC
d. Diameter 3 in.
e. Depth to top perforations 10 ft.
f. Perforated length 20 ft.
Perforated interval from 10 to 30 ft.
Perforation type Machined Slot
Perforation size 0.020 inch
g. Surface seal 7 ft.
Seal material Concrete
h. Backfill - ft.
Backfill material - -
i. Seal 1 ft.
Seal material Bentonite
j. Gravel pack (30 to 8 ft.) 22 ft.
Pack material Coarse Aquarium Sand
k. Bottom seal - ft.
Seal material - -

DRAFT

PLATE

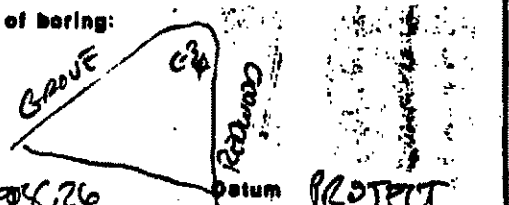
LOG OF EXPLORATORY BORING

EMCON ASSOCIATES

PROJECT No. 800-85.1C DATE 10-01-86
CLIENT G.R. CHEVRON
LOCATION REDWOOD; GROVE, CASTRO VLY
LOGGED BY EBL DRILLER BAYLAND

BORING No. C-3
Sheet 1 of 1

Field location of boring:



Ground Elev. ~406.26 Datum PROJECT

Drilling method H.S AUGER
Hole dia. 8"

Casing installation data SLOTTED 3" PVC FROM 30 TO 10 FT. SOLID TO SURFACE, SAND PACK TO 8 FT, BENTONITE TO 7 FT, CONCRETE TO SURFACE

Water level	17.75			
Time (Bay)	1553			
Date	10-1-86			

Pocket Torr vane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)	DESCRIPTION
					0			SAND, CLAY, & GRAVEL - FILL
	4.5	5/15/18	DR-L 100%	(1)	4		CL	CLAY; DARK YELLOWISH BROWN (10YR, 4/6); 5-10% FINE to COARSE SAND; 5-10% FINE GRAVEL; HARD; MOIST; NPD
	3.0	11/40	DR-L 100%	(2)	10		SC	CLAYEY SAND; DARK YELLOWISH BROWN (10YR, 4/6); 30-40% HIGH PLASTICITY FINES; FINE to COARSE SAND; 10-20% FINE to MEDIUM GRAVEL; VERY DENSE; MOIST; NPD.
		12/13/30	DR-L 100%	(3)	14		SP	SAND; OLIVE GRAY (5Y, 4/2); 5-10% FINES; FINE SAND; TRACE FINE to COARSE GRAVEL; DENSE; WET; [illegible] ODOR;
		10/24/15	DR-L 100%	(4)	20		SP	SAND-INTERBEDDED; YELLOWISH BROWN (10YR, 5/6) & DENSE, WET; NO PRODUCT ODOR; 5%; FINE to COARSE GRAINED; TRACE FINE GRAVEL; SP; FINE GRAINED.
		12/35/17	DR-L 100%	(5)	24			@ 24 FT; VERY DENSE; NPD.
	1.5	12/40	DR-L 100%	(6)	30		ML	@ 29 FT; NO PRODUCT ODOR. SILT; BROWN (10YR, 5/3); 10-20% FINE SAND; VERY STIFF; WET; NPD.
								BOTTOM OF BORING AT 30 FT.

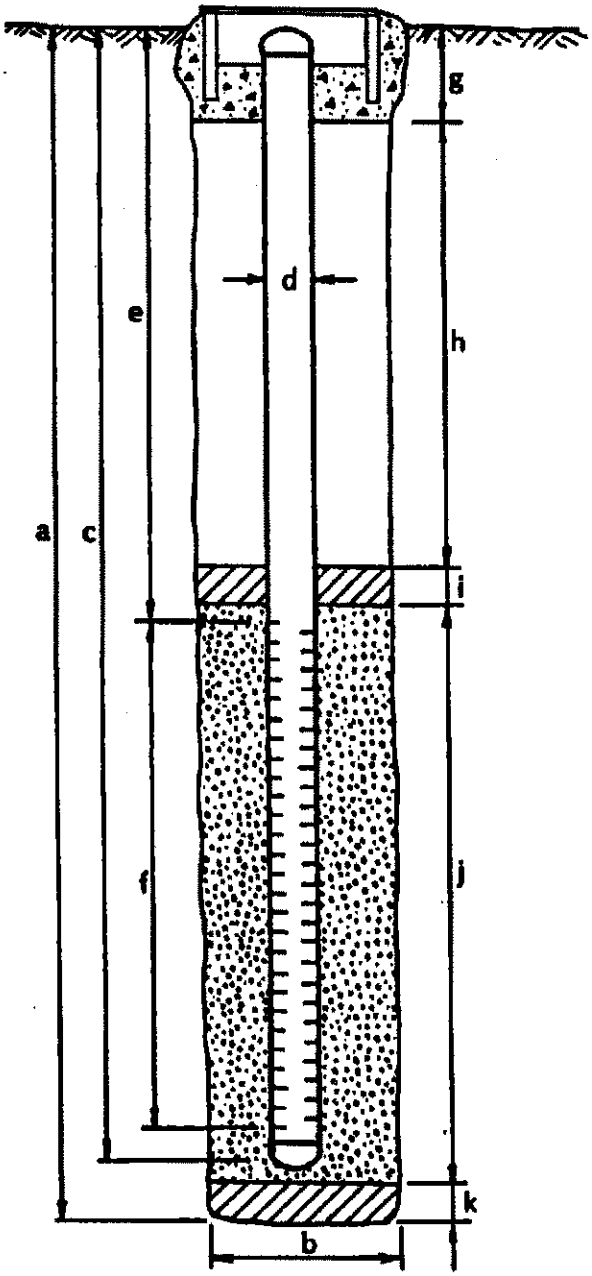
PRELIMINARY

WELL DETAILS

PROJECT NUMBER 800-85.01
PROJECT NAME G.-R. Chevron, Castro Vly.
COUNTY Alameda
WELL PERMIT NO.

BORING / WELL NO. C-3
TOP OF CASING ELEV. 98.26
GROUND SURFACE ELEV.
DATUM Project

G-5 vault box (Std.)



EXPLORATORY BORING

a. Total depth 30 ft.
b. Diameter 8 in.
Drilling method Hollow-Stem Auger

WELL CONSTRUCTION

c. Casing length 30 ft.
Material Schedule 40 PVC
d. Diameter 3 in.
e. Depth to top perforations 10 ft.
f. Perforated length 20 ft.
Perforated interval from 10 to 30 ft.
Perforation type Machined Slot
Perforation size 0.020 inch
g. Surface seal 7 ft.
Seal material Concrete
h. Backfill - ft.
Backfill material - -
i. Seal 1 ft.
Seal material Bentonite
j. Gravel pack (30 to 8 ft.) 22 ft.
Pack material Coarse Aquarium Sand
k. Bottom seal - ft.
Seal material - -

DRAFT

PLATE

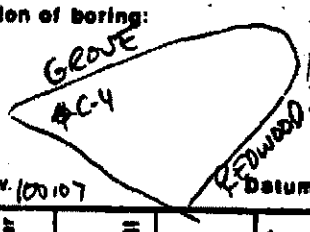
LOG OF EXPLORATORY BORING

EMCON ASSOCIATES

PROJECT No. 800-85.4 DATE 10-01-86
CLIENT G.R. CHEVRON
LOCATION REDWOOD; GROVE, CASTRO VLY.
LOGGED BY EEL DRILLER BAYLAND

BORING No. C-4
Sheet 1 of 1

Field location of boring:



Ground Elev. 100.07 Datum PROJECT

Drilling method H-S AUGER
Hole dia. 8"

Casing installation data SLOTTED 3" PVC FROM 30 TO 10 FT; SOLID TO SURFACE; SAND PACK TO 8 FT; BENTONITE TO 7 FT; CONCRETE TO SURFACE.

Water level	17.02				
Time (PST)	10:20				
Date	10-1-86				

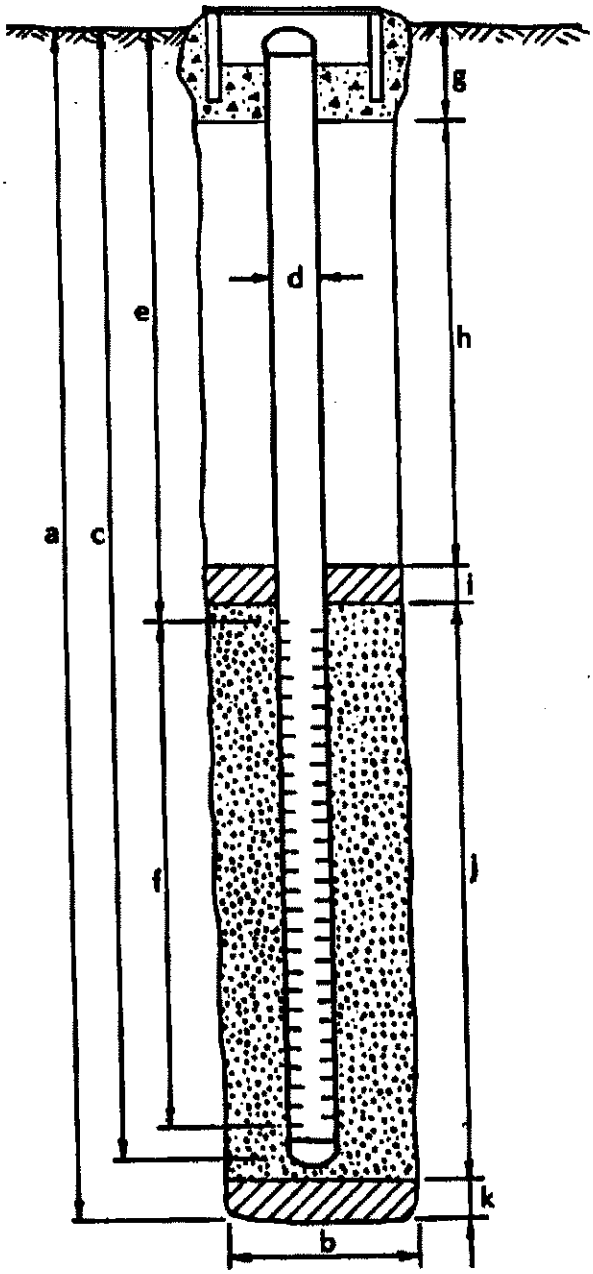
Pocket Torr vane TSF	Pocket Penetrometer TSF	Blows/ft. or Pressure PSI	Type of Sample	Sample Number	Depth	Sample	Soil Group Symbol (U.S.C.S.)	DESCRIPTION
								SAND; GRAVEL; CLAY - FILL.
	1.5	4/7/11	DR-L 100%	(1)	2 4 6		CH	CLAY, DARK YELLOWISH BROWN (10YR, 4/4) 5-10% FINE to COARSE SAND; STIFF; MOIST; NPD, ROOT HOLES.
	2.5	11/20/30	DR-L 100%	(2)	8 10 12		SC	CLAYEY SAND; DARK YELLOWISH BROWN (10YR, 4/4); 20-25% HIGH PLASTICITY FINES; FINE to COARSE SAND, 10-20% FINE to COARSE GRAVEL; VERY STIFF; MOIST; NPD.
	1.5	20/46 12"	DR-L 100%	(3)	14 16 18			@ 14 FT, STIFF; DAMP; NPD.
	2.0	15/40 12"	DR-L 100%	(4)	20 22 24		SP-SC	@ 19 FT; VERY STIFF; WET; NPD.
		20/35/50	DR-L 100%	(5)	26 28 30			SAND to SILTY SAND; YELLOWISH BROWN (10YR, 5/6); 5-12% LOW PLASTICITY FINES; FINE GRAINED; TRACE COARSE GRAINED; VERY DENSE; WET; NPD.
		15/30 12"	DR-L 75%	(6)				@ 29 FT; DENSE; NPD.
								BOTTOM OF BORING AT 30 FT.

PRELIMINARY

WELL DETAILS

PROJECT NUMBER 800-85.01 — BORING / WELL NO. C-4
PROJECT NAME G.-R. Chevron, Castro Vly. — TOP OF CASING ELEV. 100.07
COUNTY Alameda — GROUND SURFACE ELEV. ____
WELL PERMIT NO. ____ — DATUM Project

G-5 vault box (Std.)



EXPLORATORY BORING

a. Total depth 30 ft.
b. Diameter 8 in.
Drilling method Hollow-Stem Auger

WELL CONSTRUCTION

c. Casing length 30 ft.
Material Schedule 40 PVC
d. Diameter 3 in.
e. Depth to top perforations 10 ft.
f. Perforated length 20 ft.
Perforated interval from 10 to 30 ft.
Perforation type Machined Slot
Perforation size 0.020 inch
g. Surface seal 7 ft.
Seal material Concrete
h. Backfill - ft.
Backfill material - -
i. Seal 1 ft.
Seal material Bentonite
j. Gravel pack (30 to 8 ft.) 22 ft.
Pack material Coarse Aquarium Sand
k. Bottom seal - ft.
Seal material - -

DRAFT

PLATE

Field location of boring:	Project No.: 7170	Date: 08/27/90	Boring No:
(See Plate 2)	Client: Chevron Service Station		C-5
	Location: 2416 Grove Way		
	City: Castro Valley, California		Sheet 1 of 2
	Logged by: RCM	Driller: Bayland	
Drilling method: Hollow Stem Auger	Casing installation data:		
Hole diameter: 8-inches	Top of Box Elevation:		Datum:

								Water Level	19.5'	17.0'		
								Time	15:30	18:10		
								Date	08/27/90	08/27/90		
PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description				
				0								
				1				PAVEMENT SECTION - 1.5 feet				
				2				CLAYEY SILT (ML/CL) - dark grayish brown (10YR 4/2), medium stiff, damp; 60% silt; 40% clay; non-plastic; no chemical odor.				
				3								
				4								
0	500	S&H	C-5-	5				CLAYEY SAND with GRAVEL (SW-SC) - brown (10YR 5/3), medium dense, damp; 70% sand; 20% gravel; 10% clay; no chemical odor.				
	500	push	5.0									
				6								
				7								
				8								
				9								
	19		C-5-	10				Sample refusal; cobble in shoe; increasing clay to 20% at 9.5 feet, damp; no chemical odor.				
0	22	S&H	9.5									
	21			11								
				12								
				13								
				14								
0	40	S&H		15				SANDY CLAY (CL) - dark yellowish brown (10YR 4/4), hard, damp; 50% clay; 45% sand; 5% silt; medium plasticity; no chemical odor.				
				16								
				17		▼						
				18								
				19								

Remarks:

GSI GeoStrategies Inc.

Log of Boring

BORING NO. C-5

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7170	Carl CEG 1242	08/90		

Field location of boring:	Project No.: 7170	Date: 08/27/90	Boring No:
(See Plate 2)	Client: Chevron Service Station		C-5
	Location: 2416 Grove Way		Sheet 2
	City: Castro Valley, California		of 2
	Logged by: RCM	Driller: Bayland	
Drilling method: Hollow Stem Auger	Casing installation data:		
Hole diameter: 8-Inches	Top of Box Elevation:	Datum:	

	Water Level			
	Time			
	Date			

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
	12							SILTY [redacted] (SW-SM) - dark brown (10YR 4/3), dense,
0	27	S&H		20				saturated; 60% sand; 30% silt; 10% gravel; no chemical
	29							odor.
				21				
	16			22				[redacted] (SP) - dark brown (10YR 4/3), medium dense,
0	17	SPT						saturated; 100% fine sand; no chemical odor.
				23				Increase to medium to coarse sand at 22.0 feet.
								SILTY [redacted] (SW-SM) - yellow brown (10YR 5/6),
				24				medium dense, damp; 65% medium to coarse sand;
	9							25% silt; 10% gravel; no chemical odor.
0	15	S&H	C-5-	25				
	16		25.5					[redacted] (SP) - dark greenish gray (5BG 4/1), dense,
				26				saturated; 95% sand; 5% silt; no chemical odor.
				27				
				28				
				29				
	18		C-5-					Increasing gravel to 30% at 29.0 feet.
0	59	S&H	30	30				
								Bottom of sample at 30.0 feet.
				31				Bottom of boring at 30.0 feet.
								08/27/90
				32				
				33				
				34				
				35				
				36				
				37				
				38				
				39				

Remarks:

GeoStrategies Inc.

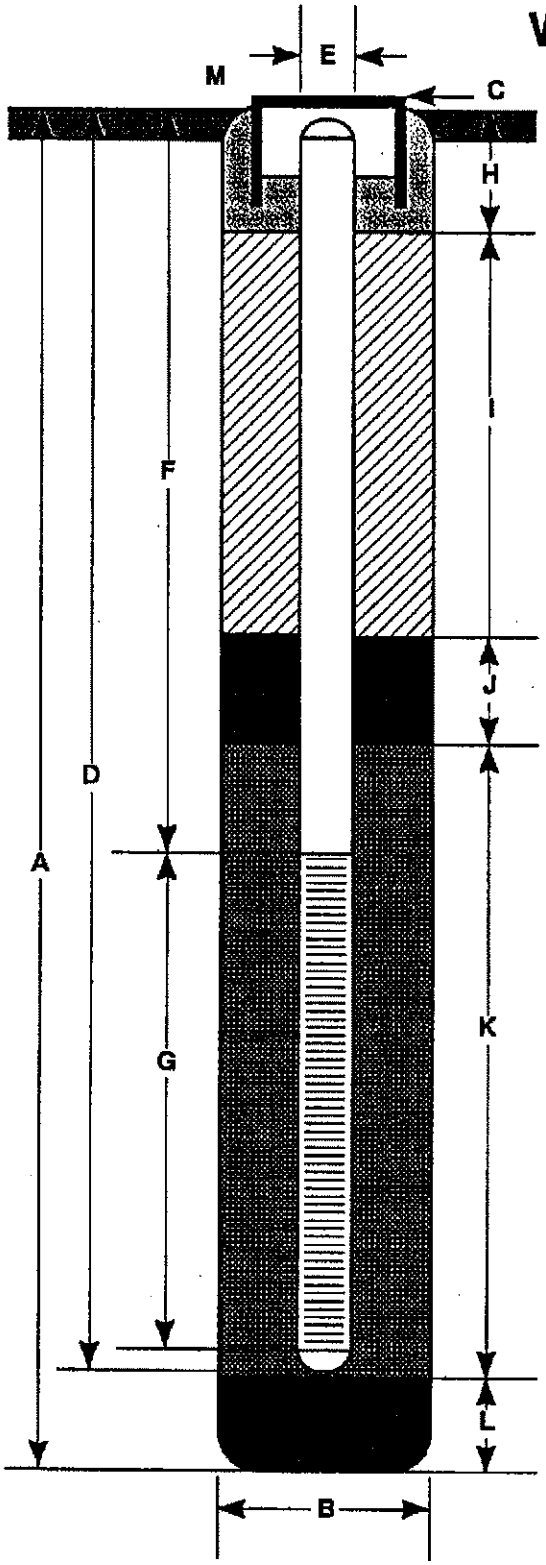
Log of Boring

BORING NO.

C-5

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7170	[redacted]	08/90		

WELL CONSTRUCTION DETAIL



A Total Depth of Boring: 30 ft.

B Diameter of Boring: 8 in.
Drilling Method: Hollow Stem Auger

C Top of Box Elevation: 153.38 ft.
[X] Referenced to Mean Sea Level
[ ] Referenced to Project Datum

D Casing Length: 30 ft.
Material: Schedule 40 PVC

E Casing Diameter: 2 in.

F Depth to Top Perforations: 15 ft.

G Perforated Length: 15 ft.
Perforated Interval from: 15 to 30 ft.
Perforation Type: Factory Slot
Perforation Size: 0.020 in.

H Surface Seal from: 0 to 1.5 ft.
Seal Material: Concrete

I Backfill from: 1.5 to 11 ft.
Backfill Material: Concrete

J Seal from: 11 to 13 ft.
Seal Material: Bentonite Pellets

K Gravel Pack from: 13 to 30 ft.
Pack Material: Lonestar #2/12 Sand

L Bottom Seal: N/A ft.
Seal Material: -

M Underground vault with locking cap and cover

GeoStrategies Inc.

Well Construction Detail

WELL NO. C-5

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7170	CMP dec 1262	8/90		

Field location of boring:

(See Plate 2)

Project No.: 7170	Date: 08/27/90	Boring No: C-6	
Client: Chevron Service Station			
Location: 2416 Grove Way			
City: Castro Valley, California		Sheet 1 of 2	
Logged by: RCM	Driller: Bayland		

Drilling method: Hollow Stem Auger

Casing installation data:

Hole diameter: 8-Inches

Top of Box Elevation: Datum:

Water Level	20.0'	17.75'			
Time	13:30	18:00			
Date	08/27/90	08/27/90			

PID (ppm)	Blowsft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
				0				
				1				PAVEMENT SECTION - 1.0 foot
				2				SILTY CLAY (CL/ML) - very dark grayish brown (10YR 3/2), medium stiff, damp; 60% clay; 40% silt; trace fine sand; no chemical odor.
				3				
				4				
	500/3"	S&H		5				CLAYEY SILT (ML/CL) - yellowish brown (10YR 5/4), stiff, damp, low plasticity; 60% silt; 40% clay; slightly indurated; no chemical odor.
				6				
				7				
				8				
				9				
	13							
0	16	S&H	C-6-	10				[illegible]ith CLAY (SP-SC) - dark yellowish brown (10YR 4/6), medium dense, damp; 90% medium to fine sand; 5% silt; 5% clay; no chemical odor.
	12		10.5					
				11				[illegible] (SP) - light olive brown (2.5Y 5/4), medium dense, damp; 95% fine sand; 5% silt; no chemical odor.
				12				Hard drilling at 13.5 feet.
				13				
				14				
	9							
0	14	S&H	C-6-	15				GRAVEL with CLAY and SAND (GP-GC) - dark yellowish brown (10YR 4/6), dense, damp; 65% gravel; 25% sand; 5% clay; no chemical odor.
	21		15.0					
				16				
				17				
				18				
				19				

Remarks:

GeoStrategies Inc.

Log of Boring

BORING NO. C-6

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7170	[illegible]	08/90		

Field location of boring: (See Plate 2)	Project No.: 7170	Date: 08/27/90	Boring No: C-6
	Client: Chevron Service Station		
	Location: 2416 Grove Way		
	City: Castro Valley, California		Sheet 2 of 2
	Logged by: RCM	Driller: Bayland	
Drilling method: Hollow Stem Auger	Casing installation data:		
Hole diameter: 8-inches	Top of Box Elevation:		Datum:

	Water Level			
	Time			
	Date			

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
	12							
0	22	S&H	C-6-	20		▽		Increasing sand to 35% at 20.5 feet; no chemical odor; saturated at 20.0 feet.
	16		20.5					
				21				
				22				
				23				
				24				
	3							SILT (ML) - dark greenish gray (5GY 4/1), stiff, saturated,
0	5	S&H	C-6-	25				non-plastic; 60% silt; 40% fine sand; no chemical odor.
	11		25.5					
				26				
				27				
				28				
				29				
	9							SAND (SP) - dark greenish gray (5G 4/1), dense,
0	15	S&H	C-6-	30				saturated; 95% sand; 5% silt; trace gravel; no chemical
	16		30.0					odor.
				31				
				32				
				33				
								Sand heaved 3 feet in auger; sample refusal at 34.0 feet.
				34				
								Bottom of sample at 30.5 feet.
				35				Bottom of boring at 34.0 feet.
								08/27/90
				36				
				37				
				38				
				39				

Remarks:

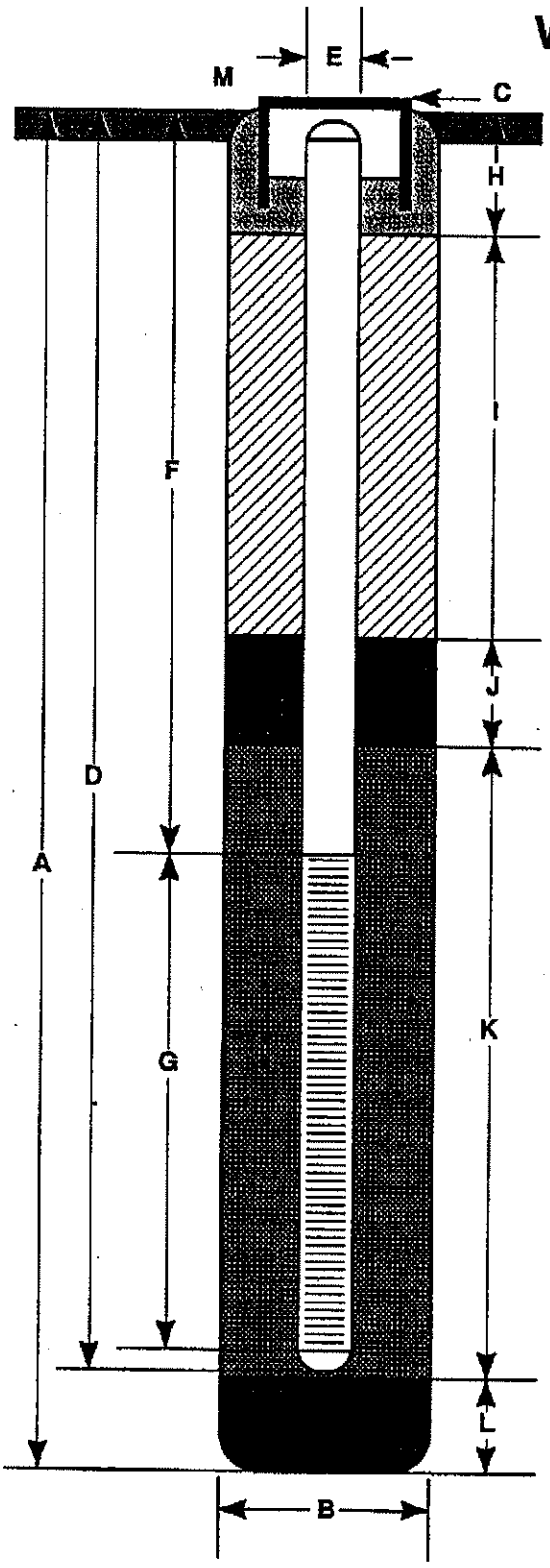
GeoStrategies Inc.

Log of Boring

BORING NO. C-6

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7170	CEG 12/92	08/90		

WELL CONSTRUCTION DETAIL



A Total Depth of Boring 34.0 ft.

B Diameter of Boring 8 in.
Drilling Method Hollow Stem Auger

C Top of Box Elevation 152.84 ft.
[X] Referenced to Mean Sea Level
[ ] Referenced to Project Datum

D Casing Length 29.5 ft.
Material Schedule 40 PVC

E Casing Diameter 2 in.

F Depth to Top Perforations 16 ft.

G Perforated Length 13.5 ft.
Perforated Interval from 16 to 29.5 ft.
Perforation Type Factory Slot
Perforation Size 0.020 in.

H Surface Seal from 0 to 1.5 ft.
Seal Material Concrete

I Backfill from 1.5 to 12 ft.
Backfill Material Concrete

J Seal from 12 to 14 ft.
Seal Material Bentonite Pellets

K Gravel Pack from 14 to 27.0 ft.
Pack Material Lonestar #2/12 sand

L Bottom Seal N/A ft.
Seal Material

M Underground vault with locking cap and cover

Note: Borehole caved from 27.0 to 34.0 feet.

GSI GeoStrategies Inc.

Well Construction Detail

WELL NO. C-6

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7170	[illegible]	8/90		

Field location of boring:

(See Plate 2)

Project No.: 7170	Date: 08/27/90	Boring No: C-7	
Client: Chevron Service Station			
Location: 2416 Grove Way			
City: Castro Valley, California		Sheet 1 of 2	
Logged by: RCM	Driller: Bayland		

Casing installation data:

Drilling method: Hollow Stem Auger

Hole diameter: 8-Inches

Top of Box Elevation: Datum:

Water Level	21.0'	21.75'			
Time	10:30	18:05			
Date	08/27/90	08/27/90			

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
				0				
				1				PAVEMENT SECTION - 1.0 feet
				2				SILTY CLAY (CL/ML) - very dark gray (10YR 3/1), medium stiff, damp, medium plasticity; 70% clay; 30% silt; trace fine sand; no chemical odor.
				3				
	250			4				
0	250	S&H	C-7-	5				COLOR CHANGE to brown (10YR 5/3) at 4.0 feet; increasing silt content to 45%; fine sand to 10%; no chemical odor.
	250	push	5.5					
				6				
				7				
				8				
				9				sample refusal at 9.0 feet.
				10				
				11				CLAYEY GRAVEL (GC) - olive brown (2.5Y 4/4), dense, moist; 80% gravel; 20% clay; no chemical odor.
				12				
	500	S&H		13				
	15							[redacted] (SP) - light olive brown (2.5Y 5/4), dense, moist; 95% fine to medium sand; 5% silt; trace fine gravel; no chemical odor.
0	17	S&H	C-7-	14				
	17		14.5					
				15				
				16				
				17				
				18				
				19				

Remarks:

GeoStrategies Inc.

Log of Boring

BORING NO. C-7

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7170	[signature] 09/12/90	08/90		

Field location of boring:	Project No.: 7170	Date: 08/27/90	Boring No:
(See Plate 2)	Client: Chevron Service Station		C-7
	Location: 2416 Grove Way		
	City: Castro Valley, California		Sheet 2 of 2
	Logged by: RCM	Driller: Bayland	
Drilling method: Hollow Stem Auger	Casing installation data:		
Hole diameter: 8-Inches	Top of Box Elevation:	Datum:	

	Water Level			
	Time			
	Date			

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
	14			20				No sample recovery; saturated gravel in shoe.
	23	S&H						
	26							
	11			21				SILTY SAND (SM) - light olive brown (2.5Y 5/4), medium dense, damp; 75% sand; 20% silt; 5% gravel; no chemical odor.
	13	SPT						
	11			22				
				23				SANDY GRAVEL (GP) - grayish brown (2.5Y 5/2), saturated, medium dense; 80% gravel; 20% fine sand; interbedded fine sand at 21.0 feet; no chemical odor.
				24				
	18							
0	15	S&H	C-7-	25				
	11		25.5					Increasing sand at 25.0 feet.
				26				SILTY SAND (SM) - olive brown (2.5Y 4/4), medium dense, wet; 60% sand; 40% silt; Fe-oxide stains; no chemical odor.
				27				Softer at 27.0 feet.
				28				
				29				
	4							SAND (SP) - dark greenish gray (5BG 4/1), medium dense, saturated; 95% sand; 5% silt; no chemical odor.
	10	S&H	C-7-AQ	30				
	19							
				31				
				32				
	14			33				Increasing gravel to 20% at 34.0 feet; fluctuation in gravel content throughout sample interval.
	20	S&H						
	15			34				
				35				Bottom of sample at 34.0 feet.
								Bottom of boring at 34.0 feet.
				36				08/27/90
				37				
				38				
				39				

Remarks:

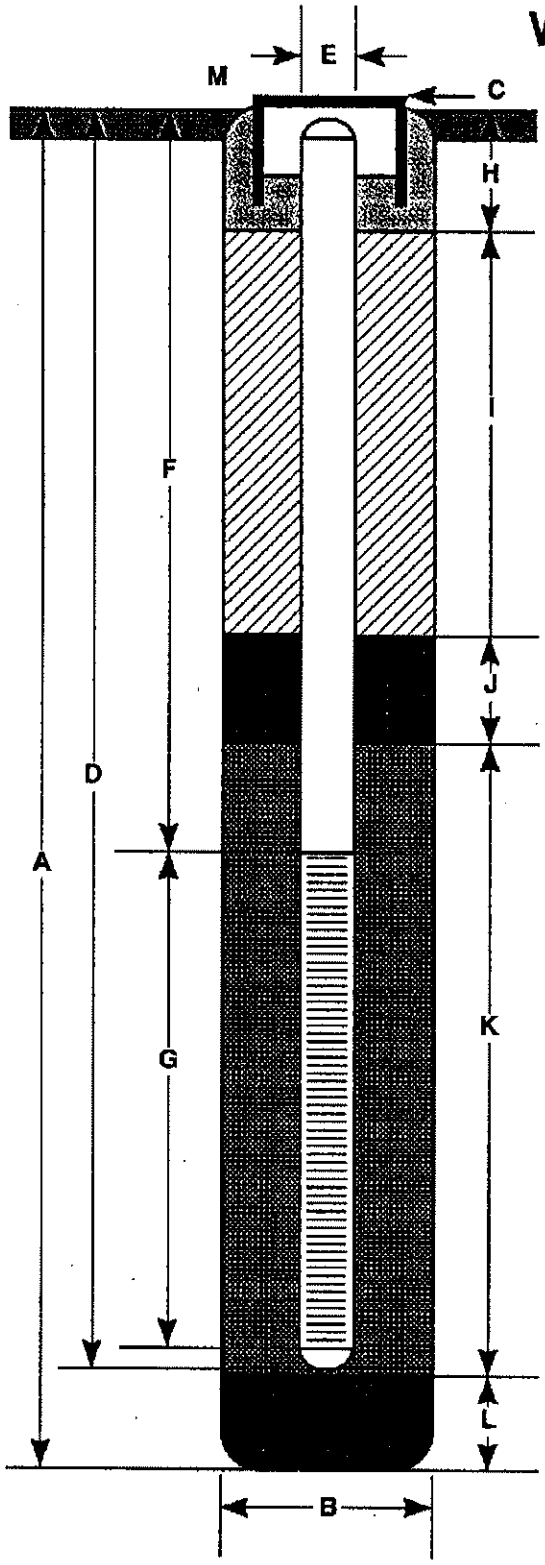
GeoStrategies Inc.

Log of Boring

BORING NO. C-7

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7170	CEG 12/92	08/90		

WELL CONSTRUCTION DETAIL



A Total Depth of Boring 34.0 ft.

B Diameter of Boring 8 in.
Drilling Method Hollow Stem Auger

C Top of Box Elevation 155.34 ft.
[X] Referenced to Mean Sea Level
[ ] Referenced to Project Datum

D Casing Length 34 ft.
Material Schedule 40 PVC

E Casing Diameter 2 in.

F Depth to Top Perforations 16 ft.

G Perforated Length 18 ft.
Perforated Interval from 16 to 34 ft.
Perforation Type Factory slot
Perforation Size 0.020 in.

H Surface Seal from 0 to 1.5 ft.
Seal Material Concrete

I Backfill from 1.5 to 12 ft.
Backfill Material Concrete

J Seal from 1.2 to 12 ft.
Seal Material Bentonite Pellets

K Gravel Pack from 14 to 30 ft.
Pack Material Lonestar #2/12 sand

L Bottom Seal N/A ft.
Seal Material

M Underground vault with locking cap and cover

Note: Borehole caved from 30.0 to 34.0 feet.

GeoStrategies Inc.

Well Construction Detail

WELL NO.
C-7

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7170	[illegible]	8/90		

Gettler-Ryan, Inc.	Log of Boring B-1
PROJECT: *Chevron SS# 9-2960*	LOCATION: *2416 Grove Way, Castro Valley, CA*
G-R PROJECT NO. : *6365.01*	SURFACE ELEVATION: *MSL*
DATE STARTED: *02/05/97*	WL (ft. bgs): *16.3* DATE: *02/05/98* TIME: *10:15*
DATE FINISHED: *02/05/97*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *6 in. Hollow Stem Auger*	TOTAL DEPTH: *16.5 Feet*
DRILLING COMPANY: *Bay Area Exploration, Inc.*	GEOLOGIST: *Barbara Sieminski*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						GW	GRAVEL WITH SAND (GW) – dark grayish brown (2.5Y 4/2), dry, dense; 60% fine to coarse gravel, 40% fine to coarse sand; pieces of concrete and asphalt; fill	Boring was backfilled to ground surface with neat cement.
	242	N/A	B1-3			GC	CLAYEY GRAVEL (GC) – black (N 2/0), damp, dense; 70% subrounded to well rounded fine to coarse gravel; 25% clay, 5% fine to coarse sand.	
5	32	31	B1-5.5				Color changes to olive (5Y 5/4) at 5 feet.	
						GW	GRAVEL WITH SAND AND CLAY (GW) – olive (5Y 5/3), damp, very dense; 50% subrounded to well rounded fine to coarse gravel, 40% fine to coarse sand, 10% clay.	
10	0	72	B1-11					
15	671	29	B1-16				Color changes to dark greenish gray (5GY 4/1); 50% gravel, 45% sand, 5% clay at 15 feet. ▽ Becomes saturated at 16.3 feet.	
20							(* = converted to equivalent standard penetration blows/ft.)	
25								
30								
35								

JOB NUMBER: *6365.01*

Gettler-Ryan, Inc.

Log of Boring B-2

PROJECT: *Chevron SS# 9-2960*	LOCATION: *2416 Grove Way, Castro Valley, CA*
G-R PROJECT NO.: *6365.01*	SURFACE ELEVATION: *MSL*
DATE STARTED: *02/05/97*	WL (ft. bgs): *16.0* DATE: *02/05/96* TIME: *11:15*
DATE FINISHED: *02/05/97*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *6 in. Hollow Stem Auger*	TOTAL DEPTH: *16.5 Feet*
DRILLING COMPANY: *Bay Area Exploration, Inc.*	GEOLOGIST: *Barbara Sieminski*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
5	0	8	B2-6			GW	GRAVEL WITH SAND (GW) - dark grayish brown (2.5Y 4/2), dry, dense; 60% fine to coarse gravel, 40% fine to coarse sand; fill.	Boring was backfilled to ground surface with neat cement.
							Becomes saturated at 5 feet.	
						CL	GRAVELLY CLAY (CL) - dark grayish brown (10YR 4/2), moist, stiff, low plasticity; 70% clay, 30% fine to coarse gravel.	
10	0	6	B2-11			GW	GRAVEL WITH SAND AND CLAY (GW) - dark grayish brown (10YR 4/2), moist, loose; 60% subrounded to well rounded fine to coarse gravel, 30% fine to coarse sand, 10% clay.	
15	159	12	B2-15.5				Color changes to very dark gray (2.5Y 3/0); 50% gravel, 45% sand, 5% clay at 15 feet.	
							Becomes saturated at 16 feet.	
20							(* = converted to equivalent standard penetration blows/ft.)	
25								
30								
35								

JOB NUMBER: *6365.01*

Gettler-Ryan, Inc.

Log of Boring B-3

PROJECT: *Chevron SS# 9-2960*	LOCATION: *2416 Grove Way, Castro Valley, CA*
G-R PROJECT NO.: *6365.01*	SURFACE ELEVATION: *MSL*
DATE STARTED: *02/05/97*	WL (ft. bgs): *16.4* DATE: *02/05/96* TIME: *12:10*
DATE FINISHED: *02/05/97*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *6 in. Hollow Stem Auger*	TOTAL DEPTH: *16.5 Feet*
DRILLING COMPANY: *Bay Area Exploration, Inc.*	GEOLOGIST: *Barbara Sieminski*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						GW	GRAVEL WITH SAND (GW) - dark grayish brown (2.5Y 4/2), dry, dense; 60% fine to coarse gravel, 40% fine to coarse sand; pieces of tile ; fill.	Boring was backfilled to ground surface with neat cement.
5	0	11	B3-6			CL	CLAY WITH SAND (CL) - grayish brown (10YR 5/2), moist, stiff, low plasticity; 80% clay, 20% fine to coarse sand, trace fine gravel.	
10	0	12	B3-11			GC	CLAYEY GRAVEL WITH SAND (GC) - grayish brown (10YR 5/2), moist, medium dense; 50% subrounded to well rounded fine to coarse gravel; 30% clay, 20% fine to coarse sand.	
15	101	23	B3-15.5			GW	GRAVEL WITH SAND (GW) - dark greenish gray (5BY 4/1), moist, medium dense; 60% subrounded to well rounded fine to coarse gravel, 35% fine to coarse sand, 5% clay.	
							▽ Becomes saturated at 16.4 feet.	
20							(* = converted to equivalent standard penetration blows/ft.)	
25								
30								
35								

JOB NUMBER: *6365.01*

Gettler-Ryan, Inc.	Log of Boring B-4
PROJECT: *Chevron SS# 9-2960*	LOCATION: *2416 Grove Way, Castro Valley, CA*
G-R PROJECT NO. : *6365.01*	SURFACE ELEVATION: *MSL*
DATE STARTED: *02/05/97*	WL (ft. bgs): *16.4* DATE: *02/05/98* TIME: *13:55*
DATE FINISHED: *02/05/97*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *6 in. Hollow Stem Auger*	TOTAL DEPTH: *16.5 Feet*
DRILLING COMPANY: *Bay Area Exploration, Inc.*	GEOLOGIST: *Barbara Sieminski*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						GW	GRAVEL WITH SAND (GW) - dark grayish brown (2.5Y 4/2), dry, dense; 60% fine to coarse gravel, 40% fine to coarse sand; fill.	Boring was backfilled to ground surface with neat cement.
	0	N/A	B4-4.5					
5			B4-5.5			CL		
	0	40	B4-6.0			GC	SANDY CLAY (CL) - very dark gray (10YR 3/1), damp, very stiff, low plasticity; 70% clay, 30% fine to coarse sand.	
							CLAYEY GRAVEL (GC) - light olive brown (2.5Y 5/6), damp, dense; 60% subrounded to well rounded fine to coarse gravel; 30% clay, 10% fine to coarse sand.	
10							60% gravel, 20% clay, 20% fine to coarse sand.	
	0	41	B4-10.5 B4-11					
						GW	GRAVEL WITH SAND (GW) - light olive brown (2.5Y 5/6), moist, dense; 60% subrounded to well rounded fine to coarse gravel, 30% fine to coarse sand, 10% clay.	
15							▽ Becomes saturated at 16.4 feet.	
	0	29	B4-16.5 B4-16					
20							(* = converted to equivalent standard penetration blows/ft.)	
25								
30								
35								

JOB NUMBER: *6365.01*

Gettler-Ryan, Inc.	Log of Boring B-5
PROJECT: *Chevron SS# 9-2960*	LOCATION: *2416 Grove Way, Castro Valley, CA*
G-R PROJECT NO.: *6365.01*	SURFACE ELEVATION: *MSL*
DATE STARTED: *02/05/97*	WL (ft. bgs): *18.1* DATE: *02/05/98* TIME: *15:30*
DATE FINISHED: *02/05/97*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *6 in. Hollow Stem Auger*	TOTAL DEPTH: *19.5 Feet*
DRILLING COMPANY: *Bay Area Exploration, Inc.*	GEOLOGIST: *Barbara Sieminski*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						GW	GRAVEL WITH SAND (GW) – dark grayish brown (2.5Y 4/2), dry, dense; 60% fine to coarse gravel, 40% fine to coarse sand; fill.	Boring was backfilled to ground surface with neat cement.
						CL	CLAY WITH GRAVEL AND SAND (CL) – light olive brown (2.5Y 5/4), damp, very stiff, low plasticity; 70% clay, 15% well rounded fine to coarse gravel, 15% fine to coarse sand.	
5	0	21	B5-6				60% clay, 25% sand, 15% gravel at 6 feet.	
10	0	37	B5-10				Color changes to dark brown (10YR 3/3) at 10 feet.	
						GC	CLAYEY GRAVEL WITH SAND (GC) – yellowish brown (10YR 5/3), moist, dense; 40% subrounded to well rounded fine to coarse gravel; 30% clay, 30% fine to coarse sand.	
15	0	29	B5-16					
	159	26	B5-18.5 B5-19			▽	Becomes saturated at 18.1 feet.	
20						SM	SILTY SAND (SM) – gray (10YR 5/1), saturated, dense; 70% fine sand, 30% silt.	
25							(* = converted to equivalent standard penetration blows/ft.)	
30								
35								

JOB NUMBER: *6365.01*

Gettler-Ryan, Inc.

Log of Boring B-6

PROJECT: *Chevron SS# 9-2960*	LOCATION: *2416 Grove Way, Castro Valley, CA*
G-R PROJECT NO. : *6365.01*	SURFACE ELEVATION: *MSL*
DATE STARTED: *02/05/97*	WL (ft. bgs): *19.0* DATE: *02/05/98* TIME: *16:30*
DATE FINISHED: *02/05/97*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *6 in. Hollow Stem Auger*	TOTAL DEPTH: *19.5 Feet*
DRILLING COMPANY: *Bay Area Exploration, Inc.*	GEOLOGIST: *Barbara Sieminski*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
	250	N/A	B6-2.5			GW	GRAVEL WITH SAND (GW) - dark grayish brown (2.5Y 4/2), dry, dense; 60% fine to coarse gravel, 40% fine to coarse sand; fill.	Boring was backfilled to ground surface with neat cement.
						CL	SANDY CLAY (CL) - black (N 2/0), damp, stiff, low plasticity; 70% clay, 30% fine to coarse sand, trace fine gravel.	
5	0	18	B6-6				Color changes to grayish brown (10YR 5/2) mottled black (N 2/0); 90% clay, 10% sand at 5 feet.	
10	0	19	B6-11				Color changes to grayish brown (2.5YR 5/2) mottled strong brown (7.5YR 5/8); 85% clay, 10% sand, 5% fine gravel.	
						GC	CLAYEY GRAVEL (GC) - yellowish brown (10YR 5/3), moist, dense; 70% subrounded to well rounded fine to coarse gravel; 20% clay, 10% fine to coarse sand.	
15	0	33	B6-16					
	874	31	B6-18.5				▽ Becomes saturated at 19 feet.	
20								
							(* = converted to equivalent standard penetration blows/ft.)	
25								
30								
35								

JOB NUMBER: *6365.01*

Gettler-Ryan, Inc.

Log of Boring B-7

PROJECT: *Former Chevron Service Station No. 9-2960*	LOCATION: *2416 Grove Way, Castro Valley, California*
GR PROJECT NO.: *DG92960H.4CT1*	SURFACE ELEVATION:
DATE STARTED: *02/08/02*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *02/08/02*	WL (ft. bgs): *24.0* DATE: *02/08/02* TIME: *15:15*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *25 feet*
DRILLING COMPANY: *Gregg Drilling*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
				CL	CLAY WITH SAND (CL) – brown (7.5YR 4/4), moist, very stiff; 75% clay, 25% fine to medium sand, trace of micas, trace of iron oxidation.	Boring backfilled with neat cement to ground surface.
4	0	18	B-7-6.5'		Color changes to grayish brown (10YR 5/2), becomes medium plasticity; 80% clay, 20% fine sand, no micas, no iron oxidation.	
8	7	62	B-7-10'		CLAY WITH GRAVEL (CL) – dark grayish brown (10YR 4/2), moist, hard; 70% clay, 20% fine to coarse gravel, 10% medium sand.	
12	0	48	B-7-15'	GP	POORLY GRADED GRAVEL WITH SAND (GP) – dark grayish brown (10YR 4/2), moist, dense; 80% fine to medium gravel, 20% fine to medium sand.	
16				GC	CLAYEY GRAVEL WITH SAND (GC) – wet; 60% fine gravel, 20% clay, 20% medium sand.	
20						
24			B-7-W		▼	Grab groundwater sample B-7-W.
28					Bottom of boring at 25 feet bgs.	
					(* = Converted to equivalent standard penetration blows/foot.)	

JOB NUMBER: *DG92960H.4CT1*

Gettler-Ryan, Inc.

Log of Boring B-8

PROJECT: *Former Chevron Service Station No. 9-2960*	LOCATION: *2416 Grove Way, Castro Valley, California*
GR PROJECT NO.: *DG92960H.4CTI*	SURFACE ELEVATION:
DATE STARTED: *02/08/02*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *02/08/02*	WL (ft. bgs): *18.0* DATE: *02/08/02* TIME: *11:36*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *20 feet*
DRILLING COMPANY: *Gregg Drilling*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Gravelly clay, brown.	
4	0	41	B-8-6'			SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) – light brown (7.5YR 4/3), dense; 90% fine to medium sand, 10% silt, trace of micas.	Boring backfilled with neat cement to ground surface.
8	32	21	B-8-10'			GC	CLAYEY GRAVEL WITH SAND (GC) – dark grayish brown (10YR 4/2), moist, medium dense; 60% subrounded fine gravel, 25% coarse sand, 15% clay.	
12						GW-GM	WELL GRADED GRAVEL WITH SILT SAND (GW-GM) – wet, dense; 60% fine gravel, 30% medium sand, 10% silt.	
16	0	30	B-8-W				▼	Grab groundwater sample B-8-W.
20							Bottom of boring at 20 feet bgs.	
24							(* = Converted to equivalent standard penetration blows/foot.)	
28								

JOB NUMBER: *DG92960H.4CTI*

Gettler-Ryan, Inc.

Log of Boring B-9

PROJECT: *Former Chevron Service Station No. 9-2960*	LOCATION: *2416 Grove Way, Castro Valley, California*
GR PROJECT NO. : *DG92960H.4CT1*	SURFACE ELEVATION:
DATE STARTED: *02/08/02*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *02/08/02*	WL (ft. bgs): *18.0* DATE: *02/08/02* TIME: *13:40*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *20 feet*
DRILLING COMPANY: *Gregg Drilling*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Asphalt paving – 4 inches thick.	
							Gravelly clay, brown.	Boring backfilled with neat cement to ground surface.
4						CL	CLAY WITH GRAVEL (CL) – light olive brown (2.5Y 5/6), moist, hard; 70% clay, 25% fine to coarse gravel, 5% medium sand.	
	1	46	B-9-6.5'					
8						SP	POORLY GRADED SAND WITH GRAVEL (SP) – olive brown (2.5Y 4/3), moist, dense; 60% fine to medium sand, 40% fine to coarse gravel, trace of clay.	
	12	40	B-9-10'					
12						SM	SILTY SAND (SM) – olive brown (2.5Y 4/3), wet, very dense; 80% fine to medium sand, 20% silt.	
	–	70	B-9-15'			GC	CLAYEY GRAVEL WITH SAND (GC) – wet, very dense; 50% gravel, 30% clay. 20% sand.	
16						GP	POORLY GRADED GRAVEL WITH SAND (GP) – wet, dense; 80% fine to coarse gravel, 20% medium sand.	
			B-9-W					Grab groundwater sample B-9-W.
	–	31				ML	SILT (ML) – olive brown (2.5Y 4/3), wet, very stiff; 80% silt, 20% clay.	
20							Bottom of boring at 20 feet bgs.	
							(* = Converted to equivalent standard penetration blows/foot.)	
24								
28								

JOB NUMBER: *DG92960H.4CT1*

Gettler-Ryan, Inc.

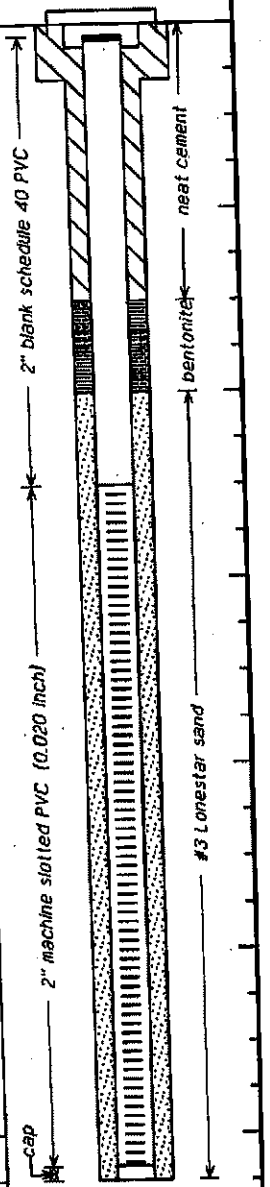
Log of Boring C-8

PROJECT: *Former Chevron Service Station No. 9-2960*	LOCATION: *2416 Grove Way, Castro Valley, California*
GR PROJECT NO.: *DG92960H.4CT1*	CASING ELEVATION:
DATE STARTED: *02/08/02*	WL (ft. bgs): *18.0* DATE: *02/08/02* TIME: *10:00*
DATE FINISHED: *02/08/02*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *25 feet*
DRILLING COMPANY: *Gregg Drilling*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
0						CL	CLAY (CL) - brown (7.5YR 4/4), moist, hard; 90% clay, 10% fine sand, trace of coarse sand.
4	18	33	C-8-6.5'			GC	CLAYEY GRAVEL (GC) - light olive brown (2.5Y 5/6), moist, dense; 60% fine to coarse gravel, 30% clay. 10% fine sand.
8	22	44	C-8-10'			GP-GC	POORLY GRADED GRAVEL WITH CLAY AND SAND (GP-GC) - dark grayish brown (10YR 4/2), moist, dense; 60% subrounded fine to coarse gravel, 30% medium sand, 10% clay.
12	52	>50	C-8-14.5'			GW	WELL GRADED GRAVEL WITH SAND (GW) - light olive brown (2.5Y 5/6), moist, very dense; 60% subrounded fine gravel, 35% medium to coarse sand, 5% clay.
16						GP-GC	POORLY GRADED GRAVEL WITH CLAY AND SAND (GP-GC) - brown (7.5YR 4/4), wet; 60% fine gravel, 30% medium sand, 10% clay.
20						SP	POORLY GRADED SAND WITH GRAVEL (SP) - very dark grayish brown (2.5Y 3/2), wet.
24		>50				SM	SILTY SAND (SM) - olive brown (2.5Y 4/4), wet, very dense; 75% fine sand, 25% silt.
28							Bottom of boring at 25 feet bgs.

(* = Converted to equivalent standard penetration blows/foot.)

WELL DIAGRAM



JOB NUMBER: *DG92960H.4CT1*

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Products Company	**BORING/WELL NAME**	B10
JOB/SITE NAME	Former Chevron # 9-2960, currently Trader Joe's	**DRILLING STARTED**	13-Apr-04
LOCATION	2416 Grove Way, Castro Valley, CA	**DRILLING COMPLETED**	13-Apr-04
PROJECT NUMBER	61D-1964	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	16.0 fbg (13-Apr-04)
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ML		**Sandy SILT/FILL**: Grey brown; dry; 60% sand, 20% silt, 20% gravel (peices of bricks and asphalt); no plasticity; high estimated permeability.	3.0	
					ML		**Sandy SILT**: Light brown; dry; 50% silt, 30% sand, 20% clay; low plasticity; moderate estimated permeability.	5.0	
0		B10 @ 5		5	ML		**Sandy SILT**: Brown; dry; 40% silt, 40% sand, 20% clay; low plasticity; moderate estimated permeability.	6.5	
					CL		**Silty CLAY** : Orange brown; dry; 30% clay; 30% silt, 20% sand, 20% gravel; low plasticity; moderate estimated permeability.	8.0	
0		B10 @ 10		10	CL		**Silty CLAY** : Orange brown; dry; 40% clay; 30% silt, 20% sand, 10% gravel; low plasticity; moderate estimated permeability.		Portland Type I/II
0		B10 @ 14		15			▽		
0		B10 @ 18		20				20.0	
					CL		**Sandy CLAY**: Grey orange; moist; 40% clay, 40% sand, 20% silt; low plasticity; moderate estimated permeability.	21.0	
0		B10 @ 22			SC		**Clayey SAND**: Orange brown; dry; 50% sand, 30% clay, 20% silt; low plasticity; moderate estimated permeability.	22.5	Bottom of Boring @ 22.5 ft

WELL LOG (PID) I:\O-ROCK~1\9-2960~1\INVEST~1\9-2960 GINT LOG APRIL 04.GPJ DEFAULT.GDT 7/14/04

Conestoga-Rovers & Associates
2000 Opportunity Dr. Suite 110
Roseville, CA
Telephone: 916.677.3407
Fax: 916.677.3687

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-10
JOB/SITE NAME	9-2960	**DRILLING STARTED**	21-Mar-07
LOCATION	2416 Grove Way, Castro Valley	**DRILLING COMPLETED**	21-Mar-07
PROJECT NUMBER	611964	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling & Testing, Inc.	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	R. Rouas	**DEPTH TO WATER (First Encountered)**	20.5 fbg (21-Mar-07) ▽
REVIEWED BY	D. Herzog, PG# 7211	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Topsoil	1.5	
0		B-10 @ 5		5	CH		**CLAY:** brown with grey mottling; moist; 90% clay, 10% silt; high plasticity; low estimated permeability At 5.5 fbg: dark brown; 60% clay, 20% gravel, 10% silt, 10% sand; sub-rounded gravel; moderate estimated permeability.	9.0	
0		B-10 @ 10		10	CL		**Gravelly CLAY with sand:** brown; damp; 55% clay, 25% gravel, 20% sand; rounded gravel; medium to coarse grained sand; moderate estimated permeability At 12 fbg: 60% clay, 40% sand; low estimated permeability.	13.0	
0		B-10 @ 15		15	CH		**CLAY:** light brown with orange mottling; moist; 80% clay, 20% silt; high plasticity; low estimated permeability	16.0	◄ Portland Type I/II Cement
					SC		**Clayey SAND with gravel:** brown with orange mottling; moist; 35% sand, 25% gravel, 20% clay, 20% silt; moderate estimated permeability	19.5	
880		B-10 @ 20		20	SM		**Silty SAND:** grey; wet; 70% sand, 30% silt; very fine to medium sand; high estimated permeability ▽ At 20.5 fbg: saturated	24.0	
				25	SP SM		**SAND with silt:** brown; saturated; 90% sand, 10% silt; fine-grained sand; high estimated permeability At 27 fbg: medium to coarse grained sand.	28.0	
3		B-10 @ 28							Bottom of Boring @ 28 fbg

WELL LOG (PID): I:\ROCKLIN\CHEVRON\9-2960 CASTRO VALLEY\GINT\B-10, B-11, B-12.GPJ DEFAULT.GDT 5/9/07

Conestoga-Rovers & Associates
2000 Opportunity Dr. Suite 110
Roseville, CA
Telephone: 916.677.3407
Fax: 916.677.3687

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-11
JOB/SITE NAME	9-2960	**DRILLING STARTED**	21-Mar-07
LOCATION	2416 Grove Way, Castro Valley	**DRILLING COMPLETED**	21-Mar-07
PROJECT NUMBER	611964	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling & Testing, Inc.	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	R. Rouas	**DEPTH TO WATER (First Encountered)**	17.0 fbg (21-Mar-07)
REVIEWED BY	D. Herzog, PG# 7211	**DEPTH TO WATER (Static)**	NA
REMARKS	Airknifed to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Concrete	3.0	Asphalt
0.0		B-11 @ 5		5			**Silty GRAVEL with sand:** brown; moist; 70% gravel, 15% sand, 15% silt; sub-rounded to sub-angular gravel; moderate estimated permeability.		
1.4		B-11 @ 10		10	GM		At 8 fbg: **GRAVEL with sand:** grey; 50% gravel, 40% sand, 10% silt; medium to very coarse grained sand and gravel; high estimated permeability.		
0.8		B-11 @ 15		15			At 13.5 fbg: brown; 60% gravel, 30% sand, 10% silt; angular, large gravel.		Portland Type I/II Cement
					SC		**Clayey SAND:** grey; moist; 60% sand, 40% clay; very fine to fine grained sand; medium plasticity; moderate estimated permeability.	17.0 ▽ 18.0	
1.7		B-11 @ 20		20	ML		**Sandy SILT:** grey with orange mottling; moist; 60% silt, 40% sand; medium plasticity; moderate estimated permeability. At 20 fbg: wet		
				25			At 26 fbg: saturated		
0.0		B-11 @ 28						28.0	Bottom of Boring @ 28 fbg

WELL LOG (PID) I:\ROCKLIN.CHEVRON\9-2960 CASTRO VALLEY\GINT\B-10, B-11, B-12.GPJ DEFAULT.GDT 5/9/07

Conestoga-Rovers & Associates
2000 Opportunity Dr. Suite 110
Roseville, CA
Telephone: 916.677.3407
Fax: 916.677.3687

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-12
JOB/SITE NAME	9-2960	**DRILLING STARTED**	21-Mar-07
LOCATION	2416 Grove Way, Castro Valley	**DRILLING COMPLETED**	21-Mar-07
PROJECT NUMBER	611964	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling & Testing, Inc.	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	R. Rouas	**DEPTH TO WATER (First Encountered)**	22.0 fbg (21-Mar-07) ▽
REVIEWED BY	D. Herzog, PG# 7211	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Concrete	3.0	Asphalt
-		B-12 @ 5		5	CH		**Sandy CLAY:** grey with black and brown mottling; moist; 70% clay, 20% sand, 10% gravel; fine-medium grained sand; angular gravel; high plasticity; low estimated permeability	8.0	
0		B-12 @ 10		10	GM		**Silty GRAVEL with sand:** green/brown; damp; 40% gravel, 40% silt, 20% sand; large, angular gravel; medium-coarse grained sand; moderate estimated permeability.	12.0	
0		B-12 @ 15		15	SC		**Clayey SAND:** grey; damp; 60% sand, 40% clay; fine grained sand; low-moderate estimated permeability.		Portland Type I/II Cement
-		B-12 @ 20		20			At 20 fbg: brown with orange mottling.		
							At 22 fbg: light brown, wet ▽	23.0	
-		B-12 @ 25		25	CH		**CLAY:** black; wet; 90% clay, 10% silt; high plasticity; low estimated permeability	26.0	
					SM		**Silty SAND:** green-grey; wet; 70% sand, 30% silt; high estimated permeability At 27 fbg: 50% sand, 30% silt, 20% gravel	28.0	
				30	SC		**Clayey SAND:** grey; wet; 60% sand, 40% clay; fine grained sand; low-moderate estimated permeability		
							At 31 fbg: brown, saturated	32.0	Bottom of Boring @ 32 fbg

WELL LOG (PID) I:\ROCKLIN\CHEVRON\9-2960 CASTRO VALLEY\GINT\B-10, B-11, B-12.GPJ DEFAULT.GDT 5/9/07

10969 Trade Center Drive Suite 107
Rancho Cordova, CA 95670
Telephone: (916) 889-8900
Fax: (916) 889-8999

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	GP-1
JOB/SITE NAME	9-2960	**DRILLING STARTED**	02-Jun-10
LOCATION	2416 Grove Way, Castro Valley	**DRILLING COMPLETED**	02-Jun-10
PROJECT NUMBER	611964	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	PeneCore Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Direct push - continuous core	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	C. Benedict	**DEPTH TO WATER (First Encountered)**	20.0 fbg (02-Jun-10) ▽
REVIEWED BY	J. Kiernan, PE# C68498	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Cleared by hand-auger to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							10" Asphalt.		Concrete
					GW		**Aggregate base:** Grey; moist; 1/4-3/4" gravel.	1.0	
					CH		**CLAY with sand:** Brown; moist; high estimated plasticity; fine to medium sand.	3.0	
0		GP-1- 5		5				6.0	
					ML		**Sandy SILT with gravel:** Brown; moist; medium estimated plasticity.		
0.2		GP-1- 10		10					
0.3		GP-1- 15		15	CL		**CLAY with sand:** Brown; moist; medium estimated plasticity.	14.5	
					SM		**Silty SAND with gravel:** Brown; moist; fine to medium sand; 1/4-3/4" gravel; increase in gravel with depth.	18.0	Portland Type I/II
0.2		GP-1- 20		20			Wet. ▽		
							Hydropunch to 34 feet.	22.0	
				25					
				30					

WELL LOG (PID) I:\CHEVRON\6119--\611964--1\611964-3IB-10, B-11, B-12, GP-1, GP-2.GPJ DEFAULT.GDT 7/19/10

Continued Next Page

10969 Trade Center Drive Suite 107
Rancho Cordova, CA 95670
Telephone: (916) 889-8900
Fax: (916) 889-8999

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	GP-1
JOB/SITE NAME	9-2960	**DRILLING STARTED**	02-Jun-10
LOCATION	2416 Grove Way, Castro Valley	**DRILLING COMPLETED**	02-Jun-10

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
								34.0	Bottom of Boring @ 34 fbg

WELL LOG (PID) I:\CHEVRON\6119--1611964--1611964-3\B-10, B-11, B-12, GP-1, GP-2.GPJ DEFAULT.GDT 7/19/10

10969 Trade Center Drive Suite 107
Rancho Cordova, CA 95670
Telephone: (916) 889-8900
Fax: (916) 889-8999

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	GP-2
JOB/SITE NAME	9-2960	**DRILLING STARTED**	02-Jun-10
LOCATION	2416 Grove Way, Castro Valley	**DRILLING COMPLETED**	02-Jun-10
PROJECT NUMBER	611964	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	PeneCore Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Direct push - continuous core	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	C. Benedict	**DEPTH TO WATER (First Encountered)**	20.0 fbg (02-Jun-10) ▽
REVIEWED BY	J. Kiernan, PE# C68498	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Cleared by hand-auger to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							7" Asphalt.	0.8	Concrete
					GW		**Aggregate base.**	2.0	
0		GP-2- 5		5	CH		**CLAY with sand:** Brown; moist; high estimated plasticity; fine to medium sand.		
0.3		GP-2- 10		10					
1.0		GP-2- 15		15	SM		**Silty SAND with gravel:** Brown; moist; fine to medium sand; 1/4-3/4" gravel.	13.5	
					CH		**CLAY with sand:** Brown; moist; high estimated plasticity.	15.5	
					SM		**Silty SAND with gravel:** Brown; moist; fine to medium sand; 1/4-3/4" gravel.	16.5	
					CH		**CLAY with sand:** Brown; moist; high estimated plasticity; fine to medium sand.	17.0	Portland Type I/II
0.7		GP-2- 20		20	GM		**Silty GRAVEL with sand:** Brown; moist; 1/4-3/4" gravel; fine to medium sand. ▽ Wet.	19.0	
				25			Soil not logged from 21-30 fbg.	21.0	
				30				30.0	

WELL LOG (PID) I:\CHEVRON\6119--1611964--1611964-3IB-10, B-11, B-12, GP-1, GP-2.GPJ DEFAULT.GDT 7/19/10

Continued Next Page

10969 Trade Center Drive Suite 107
Rancho Cordova, CA 95670
Telephone: (916) 889-8900
Fax: (916) 889-8999

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	GP-2
JOB/SITE NAME	9-2960	**DRILLING STARTED**	02-Jun-10
LOCATION	2416 Grove Way, Castro Valley	**DRILLING COMPLETED**	02-Jun-10

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					CH		**CLAY:** Grey; moist; high estimated plasticity.	31.0	
					SM		**Silty SAND with gravel:** Grey; wet.		
				35				35.0	Bottom of Boring @ 35 fbg

WELL LOG (PID) I:\CHEVRON\6119--1611964--1611964-31B-10, B-11, B-12, GP-1, GP-2.GPJ DEFAULT.GDT 7/19/10

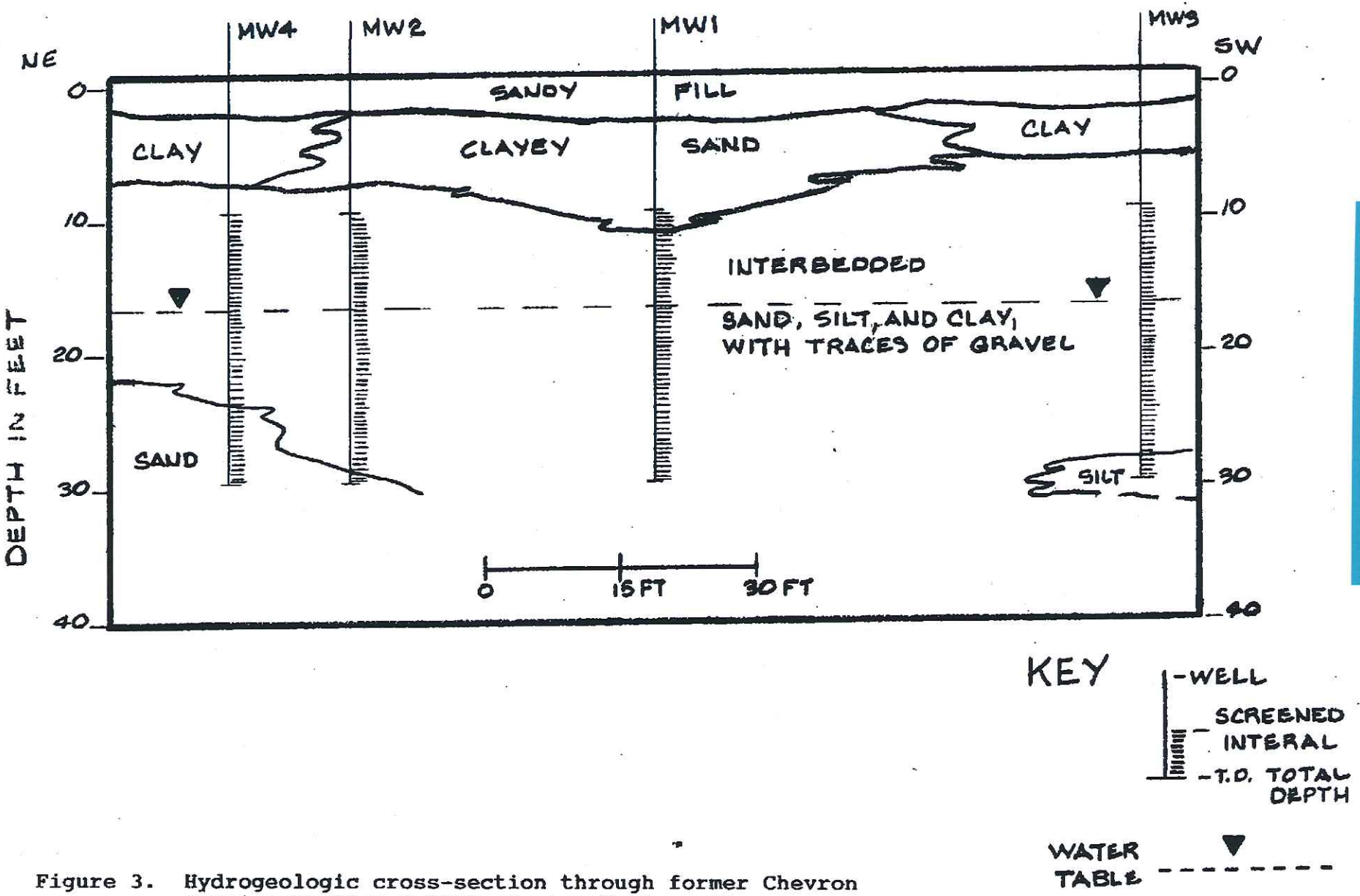
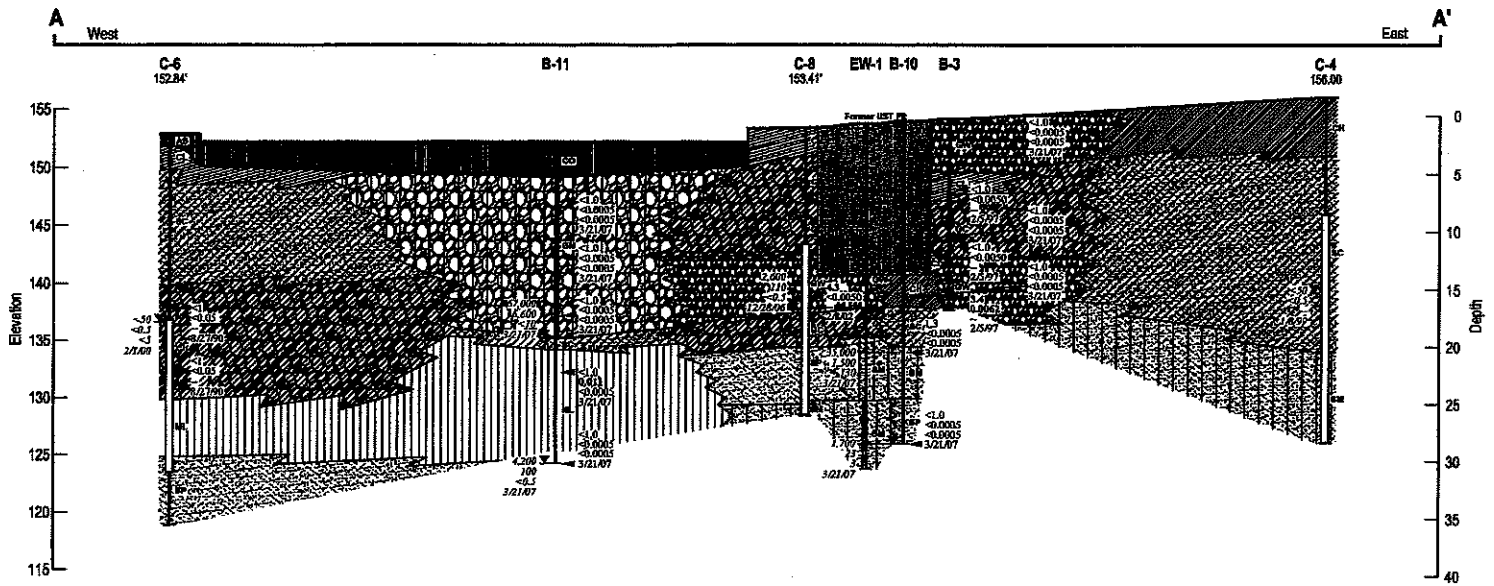
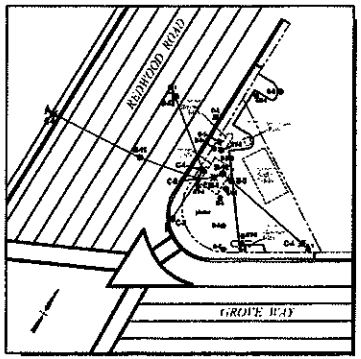


Figure 3. Hydrogeologic cross-section through former Chevron Service Station 9-2960, Castro Valley, CA.

ATTACHMENT 7





EXPLANATION

- GW - Well-graded gravels, gravel-sand mixtures, little or no fines
- GM - Silty gravels, gravel-sand-silt mixtures
- GC - Clayey gravels, gravel-sand-clay mixtures
- SP - Poorly-graded sands, gravelly sands, little or no fines
- SM - Silty sands, sand-silt mixtures
- SC - Clayey sands, sand-clay mixtures
- ML - Inorganic silts, very fine sands, silty or clayey fine sands, clayey silts with slight plasticity
- CL - Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty cslys, lean clays
- CH - Inorganic clays of high plasticity
- AS/CO - Asphalt/Concrete
- UST - UST tank pit fill

Well ID — Well Designation
Elev. — Top of Casing Elevation
Groundwater Monitoring Well
Well Screen Interval
Bottom of boring
Approximate sample location
TPHg / Benzene / MTBE / Date — Hydrocarbon concentrations in Soil, in parts per million
Depth of Groundwater - 09/14/04 (unless otherwise noted)
TPHg / Benzene / MTBE / Date — Hydrocarbon concentrations in Groundwater, in parts per billion

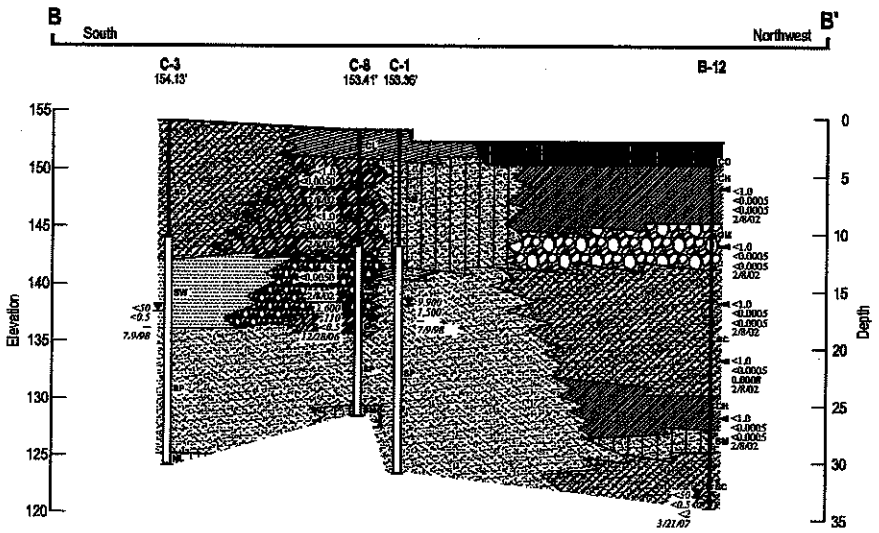
Scale (ft)
10
0
20

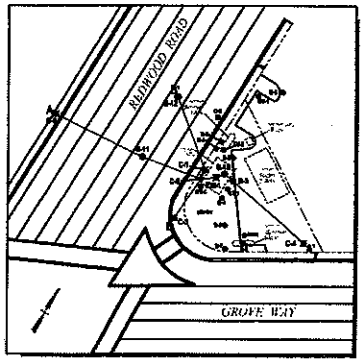
FIGURE
3

Geologic Cross Section A-A'

Former Chevron Service Station 9-2960
2416 Grove Way
Castro Valley, California

CRA
CONESTOGA-ROVERS & ASSOCIATES





10
Scale (ft)
0
20

EXPLANATION

- GW - Well-graded gravels, gravel-sand mixtures, little or no fines
- GM - Silty gravels, gravel-sand-silt mixtures
- GC - Clayey gravels, gravel-sand-clay mixtures
- SW - Well-graded sand, gravelly sands, little or no fines
- SP - Poorly-graded sands, gravelly sands, little or no fines
- SM - Silty sands, sand-silt mixtures
- SC - Clayey sands, sand-clay mixtures
- ML - Inorganic silts, very fine sands, silty or clayey fine sands, clayey silts with slight plasticity
- CL - Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty calys, lean clays
- CH - Inorganic clays of high plasticity
- A/C - Asphalt/Concrete

Well ID — Well Designation
Elev. — Top of Casing Elevation
Groundwater Monitoring Well
Well Screen Interval
Bottom of boring
Approximate sample location
TPHg / Benzene / MTBE / Date — Hydrocarbon concentrations in Soil, in parts per million
Depth of Groundwater - 09/14/04 (unless otherwise noted)
TPHg / Benzene / MTBE / Date — Hydrocarbon concentrations in Groundwater, in parts per billion

FIGURE
4

Geologic Cross Section B-B'

Former Chevron Service Station 9-2960
2416 Grove Way
Castro Valley, California

CONESTOGA-ROVERS & ASSOCIATES