

August 25, 1995 Project 920-018.6A

Mr. Kenneth Kan-Chevron U.S.A. Products Company 6001 Bollinger Canyon, Building L San Ramon, California 94583-0804

Re: Case Closure Recommendation Former Chevron U.S.A. Service Station 9-2621 7667 Amador Valley Boulevard at Starward Drive Dublin, California

Dear Mr. Kan:

This letter, prepared by Pacific Environmental Group, Inc. (PACIFIC) for Chevron U.S.A. Products Company, recommends case closure for the site referenced above. All tanks, pump islands, and associated piping have been removed from the site.

Hydrocarbon concentrations in groundwater have been in general decline since September 1993. Benzene concentrations in groundwater samples from two of the three on-site wells (MW-1 and MW-2) have been below method detection limits for all sampling events since September 1993. The maximum benzene concentration reported for the remaining on-site well (MW-5) has been 1.5 parts per billion (ppb). Benzene concentrations in groundwater have been below method detection limits for all sampling events since September 1993 for downgradient off-site Well MW-4, and a maximum concentration of 1.9 ppb in off-site Well MW-6 (May 1995).

### SITE DESCRIPTION

The former service station site is located on Amador Valley Boulevard in Dublin, California (Plate 1, Attachment A). The site, which was decommissioned in 1976, formerly contained three underground storage tanks (USTs) and one waste oil tank. The location of the former tanks is shown on Plate 2 in Attachment A. The site is currently occupied by the Amador Valley Medical Clinic and an optometry clinic.

### **PREVIOUS WORK**

In 1976 the service station was demolished. As part of the station demolition, three USTs, pump islands and associated piping, and a waste oil tank was removed from the site (Plate 2, Attachment A). No leaks were observed in the tanks, however, all of the product had not been removed from the tanks, and approximately 15 to 20 gallons of gasoline spilled into the 8 foot deep tank pit. The spilled product was removed the next day. No soil samples were collected at this time.

In July 1992, Resna Industries, Inc. (Resna) conducted an environmental site assessment for the Amador Valley Medical Clinic, the present site occupants. This assessment included a review of geologic and hydrologic information, as well as a survey of leaking UST sites within 1/2 mile of the site. Resna found that no leaking USTs were located within a 1/2-mile radius of the site.

In October 1992, Resna drilled Borings B-1 through B-4 in the vicinity of the former USTs and dispenser islands (Plate 2, Attachment A). Boring B-4 was drilled at an angle to collect a sample from beneath the existing building. Selected soil samples collected from Borings B-1 through B-4 were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), TPH calculated as diesel (TPH-d), benzene, toluene, ethylbenzene, and xylenes (BTEX compounds), and total oil and grease (TOG). Analytical results for all analytes were below method detection limits in all samples except Borings B-1 and B-4. Low levels of hydrocarbons were detected in soil samples collected from Borings B-1 and B-4 at 10 feet below ground surface (bgs); 11 and 65 parts per million (ppm) TPH-g, 0.018 ppm and not detected benzene, and 24 and 1.2 ppm TPH-d, respectively. Soil sampling locations are shown on Plate 2 in Attachment A. Soil analytical data are presented as Attachment B.

In March 1993, PACIFIC drilled hydropunch Borings HP-1 through HP-6 (Plate 2, Attachment A). Selected soil samples collected from Borings HP-1 through HP-4 were sent to a state-certified laboratory and analyzed for the presence of TPH-g, BTEX compounds, and TPH-d. Additional analyses for volatile and semivolatile organic compounds (VOCs and SVOCs) and metals were performed on soil samples collected from Boring HP-1, located near the former waste oil tank. No soil samples were collected from Borings HP-5 and HP-6. No hydrocarbons, VOCs, or SVOCs were detected in soil from Boring HP-1, and no hydrocarbons were detected in soil from Borings HP-2 through HP-4. Low levels of cadmium (2.5 ppm), chromium (14 ppm), nickel (25 ppm), and zinc (45 ppm) were found in soil collected from Boring HP-1. Soil analytical data are presented as Attachment B.

Groundwater collected from Borings HP-1 through HP-6 was sent to a state-certified laboratory and analyzed for the presence of TPH-g, BTEX compounds, and TPH-d (with additional analyses for VOCs and SVOCs for Boring HP-1). No hydrocarbons, VOCs, or SVOCs were found in groundwater collected from Boring HP-1. TPH-g was found in concentrations of 85, 4,500, 730, and 5,500 parts per billion (ppb) in groundwater collected from Borings HP-3 through HP-6, respectively. No TPH-g was found in groundwater collected from Borings HP-2. Benzene concentrations in groundwater collected from Borings HP-2 through HP-6 ranged from 4 to 8 ppb. Groundwater analytical data are presented as Attachment C.

In September 1993, Resna drilled two on-site (B-5 and B-6) and two off-site (B-7 and B-8) soil borings. These borings were converted into groundwater monitoring wells, MW-1 through MW-4. No TPH-g or benzene was detected in the soil or groundwater collected from these borings/wells (Attachments B and C).

In March 1994, Resna drilled two additional off-site borings (B-9 and B-10). Boring B-9 was subsequently converted to groundwater Monitoring Well MW-5, while Boring B-10 was converted to a temporary welk TPH-g and benzene concentrations in groundwater collected from Well MW-5 were 770 and 1.4 ppb, respectively, and have declined over time. TPH-g and benzene were detected in groundwater collected from temporary Well B-10 at concentrations of 23,000 and 120 ppb, respectively. Because this sample was collected from a temporary well and no documentation regarding development of this well could be found, the analytical results are thought to be less reliable than data collected from a properly developed monitoring well. Wells MW-1 through MW-4 were resampled at this time and no hydrocarbons were detected in the groundwater collected from these wells (Attachment C).

In January 1995, temporary Well B-10 was converted to groundwater Monitoring Well MW-6, and at that time was properly developed. The first and second quarter 1995 sampling events showed TPH-g and benzene concentrations in groundwater collected from Well MW-6 had concentrations of 430 and 1.5 ppb (January 1995), and 200 and 1.9 ppb (May 1995), respectively (Attachment C).

Groundwater monitoring has been performed at the site since September 1993. Historical groundwater analytical data are presented as Attachment C.

### INVESTIGATIVE METHODS

Soil has been sampled for analytical testing from Borings B-1 through B-10. Borings B-1 through B-10 were drilled using hollow-stem auger drilling equipment. Soil samples were generally collected at 5-foot depth intervals using 2-inch diameter spilt spoon samplers

(RESNA, November 1993 and April 1994). Soil samples were retained in 2.0-inch diameter brass tubes, sealed with aluminum foil, capped, secured with Teflon® tape, labeled, placed on ice in an insulated container, and delivered under chain-of-custody protocol to a state-certified laboratory for analysis.

Borings were converted to monitoring wells by the installation of 2-inch diameter Schedule 40 PVC casing and 0.02-inch slotted well screen. Well construction details are contained on the boring logs included as Attachment D.

The soil and groundwater samples were analyzed by California State-certified laboratories. Soils analysis has included TPH-g by EPA Method 8015 (modified), BTEX compounds by EPA Method 8020, oil and grease by EPA Method 5520, VOCs by EPA Method 8240, and SVOCs by EPA Method 8270. Soil analytical data from borings are presented as Attachment B. Groundwater has been analyzed for TPH-g and BTEX compounds by the above cited methods. Groundwater analytical data are presented as Attachment C.

### EXTENT OF HYDROCARBON PRESENCE IN SOIL AND GROUNDWATER

Data from site borings indicate that the extent of soil contamination was limited to a small area in the vicinity of the former USTs and former product islands. Low levels of hydrocarbons were detected in soil samples collected from Borings B-1 and B-4 at 10 feet bgs; 11 and 65 ppm TPH-g, 0.018 ppm and not detected benzene, and 24 and 1.2 ppm TPH-d, respectively. Hydrocarbons were not detected in the samples collected from the remaining 11 on- and off-site borings.

Groundwater impact has been limited to a small in the eastern portion of the site, extending off site towards Amador Valley Boulevard. No hydrocarbons have been detected in downgradient Well MW-4, crossgradient Well MW-1, or upgradient Wells MW-2 and MW-3. TPH-g and benzene concentrations in groundwater collected from Well MW-5 were 140 and 0.89 ppb, respectively, (May 1995). The May 1995, sampling event of Well MW-6 showed TPH-g and benzene concentrations in groundwater of 200 and 1.9 ppb, respectively. No separate-phase hydrocarbons have been detected in any on- or off-site borings or wells.

Hydrocarbon concentrations in site Wells MW-5 and MW-6 have been declining since March 1994. Benzene was found at 1.4 ppb when Well MW-5 was first sampled in March 1994 and at 0.89 ppb in the latest sampling event (May 1995). Benzene concentrations in Well MW-6 has been 1.5 and 1.9 ppb in the January and May 1995, sampling events. Benzene has never been detected in groundwater collected from Wells MW-1 through MW-4. TPH-g in groundwater has been detected in on-site well (MW-5) at a maximum concentration of 140 ppb in 1995.

### HYDROGEOLOGIC SITE CONDITIONS

Site borings encountered predominantly clayey silt and silty clay, with minor amounts of clayey sand and sandy clay, to the total depth explored, approximately 19 feet. The sediments are primarily low permeability clayey material, except the silty gravel and gravely sand encountered in Well MW-2 (13.5 to 18.5 feet bgs) and the silty sands encountered in Well MW-3 (5 to 8 feet bgs) and Well MW-5 (12.5 to 17 feet bgs). Because most of the borings were terminated between 10 and 12 feet bgs, it is not known if the higher permeability sediments are laterally extensive beneath the site. Boring logs are presented as Attachment D.

Historic groundwater elevation data collected from 1993 through 1995, documents groundwater fluctuation beneath the site between depths of 2.89 to 10.41 feet bgs (Attachment C). Historic groundwater flow direction has been to the east-southeast at an approximate gradient of 0.007 ft/ft.

### BENEFICIAL USES OF GROUNDWATER

Site boring logs show that the small quantity of impacted groundwater is confined within a relatively low permeable layer of silt and clay. Potential for vertical or horizontal migration of contaminated groundwater is very limited. Little or no horizontal movement of hydrocarbons has been detected since groundwater monitoring was initiated in 1993. The fine-grained nature of soils beneath the site are not capable of producing sufficient quantities of groundwater for drinking water supply.

Twenty seven wells used for municipal, industrial, groundwater monitoring, and domestic purposes are located within 1 mile of the site (Attachment E). Of these 27 only 2 wells located downgradient of the site are water-supply wells, and both are located more than 1/2 mile from the site. It is not known if either of these wells are currently in use.

The likelihood for shallow site groundwater to be used as a drinking water source is extremely remote. Drinking water within the City of Dublin is provided by the Dublin-San Ramon Services District who, in turn, is supplied by the Alameda County Flood Control and Water Conservation District (Zone 7). Water provided by Zone 7 is derived from the State Water Project (stored in Del Valle Reservoir) and deep water wells. No drinking water is derived from shallow aquifers. Zone 7 regulates the installation and permitting of water wells in this area. Zone 7 may be notified of a residual plume in an area where potential risks to a water-supply well could be considered before a permit is issued. Zone 7 regulations require deep wells to be properly sealed to prevent entry of shallow water.

### REMEDIATION ACTIVITIES AND EFFECTIVENESS

Site remedial activities have focused on source removal. The small quantity of gasoline released into the tank pit was promptly removed. All tanks, pump islands, and associated piping have also been removed from the site.

Impact to groundwater has been very limited. Low levels of hydrocarbons have been present in the groundwater beneath the site since 1976, however, no hydrocarbons have been detected in downgradient Well MW-4. The low-permeability clay-rich soils have contained the plume, prevented extensive migration of hydrocarbons, and provided time for natural mechanisms (primarily biodegradation and volatilization), to degrade the hydrocarbons beneath the site.

The extent of the hydrocarbon plume has been defined since 1994. Groundwater quality has been monitored since 1993 and the groundwater plume has been determined to have been decreasing in concentration since 1993.

### RATIONALE FOR SITE CLOSURE

Request for closure at this site is based on the following rationale:

- The source of the hydrocarbons was a 1976 a release of approximately 15 to 20 gallons of product into the tank pit. The gasoline was promptly removed; eliminating the potential for future degradation of underlying groundwater.
- Any small quantities of hydrocarbons remaining in soils are contained in fine-grained, low permeability silty clay deposits, which tend to prevent extensive migration of hydrocarbons.
- The extent of the hydrocarbon plume in groundwater has been defined since 1994. The groundwater plume has been decreasing in concentration since 1993.
- Benzene concentrations in groundwater have not been detected in Wells MW-1 through MW-4, and have ranged from not detect (ND) to 1.5 ppb in Well MW-5, and 1.5 to 1.9 ppb in Well MW-6 since 1993.
- In the site vicinity, groundwater is not used as a drinking water resource.

PACIFIC, based on the above data, recommends site closure.

Please call if you have any questions regarding this letter.

Sincerely,

Pacific Environmental Group, Inc.

Chuck Headlee

Senior Staff Geologist

Chup Hedler

Greg Barclay Senior Geologist

RG 6260

REFERENCES

Weiss Associates, Comprehensive Site Evaluation and Proposed Future Action Plan, June 23, 1994.

Resna Industries, Inc., Additional Subsurface Investigation, Former Chevron Service Station 9-2621, 7667 Amador Valley Boulevard, Dublin, California, November 1993.

Resna Industries, Inc., Additional Subsurface Investigation, Former Chevron Service Station 9-2621, 7667 Amador Valley Boulevard, Dublin, California, April 1994.

Gettler-Ryan Inc., Second Quarter Monitoring and Sampling Report, June 23, 1995.

Attachments: Attachment A - Site Maps

Attachment B - Soil Analytical Data

Attachment C - Groundwater Elevation and Analytical Data

Attachment D - Boring Logs Attachment E - Well Search

Ms. Eva Chu, Alameda County Environmental Health Department,

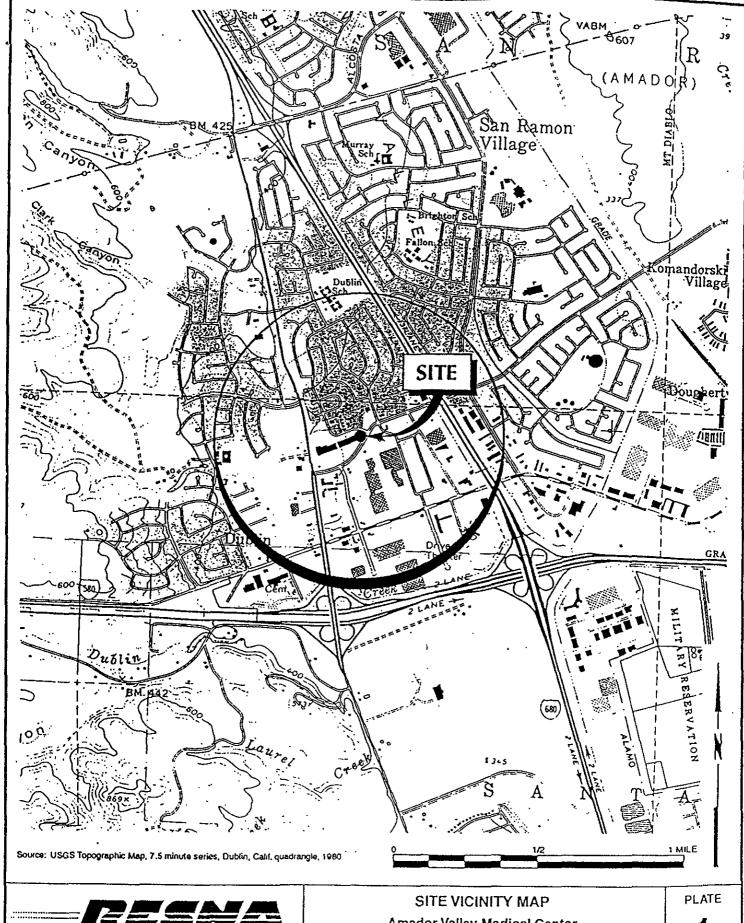
Hazardous Materials Division

Mr. Richard Hiett, Regional Water Quality Control Board -

San Francisco Bay Region

cc:

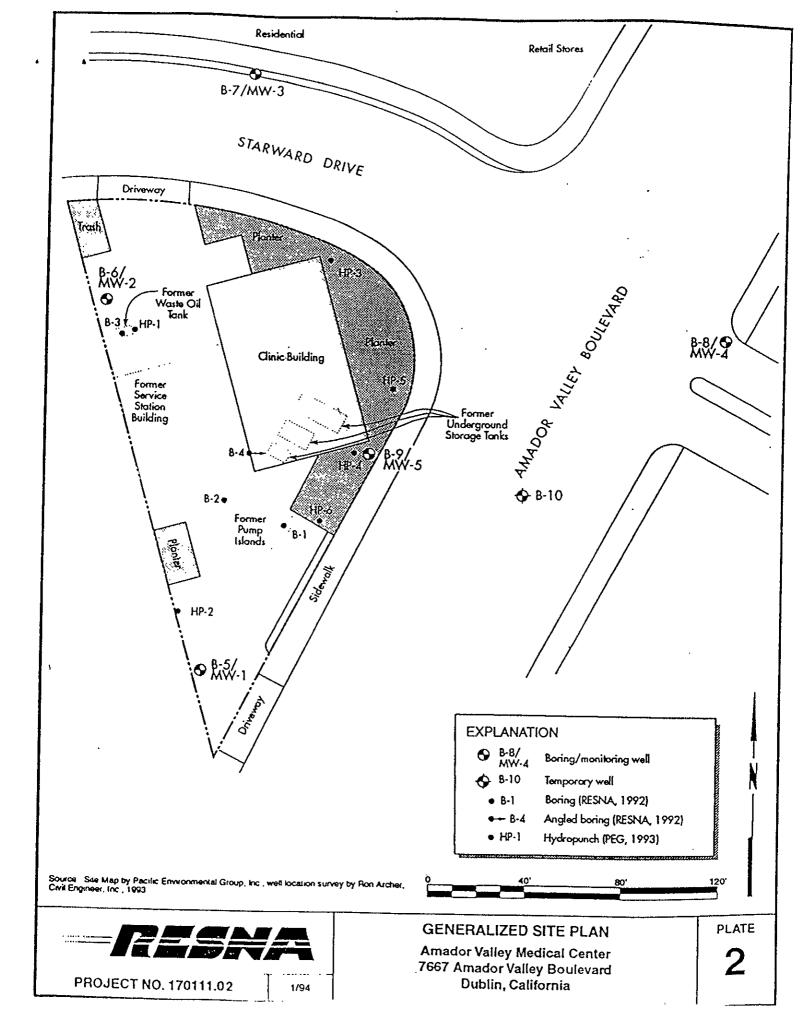
## ATTACHMENT A SITE MAPS



PROJECT NO. 170111.01

6/93

**Amador Valley Medical Center** 7667 Amador Valley Boulevard Dublin, California



# ATTACHMENT B SOIL ANALYTICAL DATA

NR

### TABLE 1 SOIL ANALYSES DATA for AMADOR VALLEY MEDICAL CLINIC

Sample Number	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl- benzene (ppm)	Total xylenes (ppm)	TPHd (ppm)	TOG (mg/kg)
				2.22	0.005	.1.0	<b>&gt;</b>
B1-1	<1.0	<0.005	<0.005	<0.005	<0.005	<1.0	NR
B1-2	11	0.018	0.054	0.036	0.016	24	NR
B2-1	<1.0	<0.005	< 0.005	<0.005	<0.005	<1.0	NR
B2-2	<1.0	< 0.005	< 0.005	<0.005	<0.005	<1.0	NR
B3-1	<1.0	<0.005	<0.005	< 0.005	<0.005	NR	<50
B3-2	<1.0	<0.005	<0.005	<0.005	<0.005	NR	<50
B4-1	<1.0	< 0.005	<0.005	<0.005	<0.005	<1.0	NR
R4-2	65	< 0.005	0.14	0.086	0.032	1.2	NR

< 0.005

ppm = Parts per million = mg/kg = milligrams per kilogram.

<0.005

< 0.005

< 0.005

B4-2

B4-3

Not detected. Number following < indicates applicable laboratory detection limit.

< 0.005

< 0.005

< 0.005

Analysis not requested. NR

65

<1.0

## Soil Analytical Data Total Petroleum Hydrocarbons (TPH as Gasoline, BTEX Compounds, and TPH as Diesel)

### Former Chevron Service Station 9-2621 7667 Amador Valley Boulevard at Starward Drive Dublin, California

Sampling Date: March 17, 1993

Boring Number	Depth (feet)	TPH as Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)	TPH as Diesel (ppm)
HP-1	4-6	ND	ND	ND	ND	ND	ND
HP-2	4-5	ND	ND	ND	. ND	ND	NA
НР-3	4-5	ND	\ ND	ND	ND	ND	NA
HP-4	4-5	ND	ND	ND	ND	ND	NA

ppm = Parts per million ND = Not detected

NA = Not analyzed

For detection limits see certified analytical reports.

Soil Analytical Data
Halogenated Hydrocarbons (VOCs) and
Semi-Volatile Organic Compounds (SVOCs)

### Former Chevron Service Station 9-2621 7667 Amador Valley Boulevard at Starward Drive Dublin, California

Boring Number	Date Sampled	Depth (feet)	VOCs (All compounds) (ppm)	SVOCs (All compounds) (ppm)
HP-1	03/17/93	4-6	ND	ND · ·
	rts per million it detected	•		

3253501/REPORT

### Table 3 Soil Analytical Data Metals

### Former Chevron Service Station 9-2621 7667 Amador Valley Boulevard at Starward Drive Dublin, California

Sample Date	Depth (feet)	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	Nickel (ppm)	Zinc (ppm)
03/17/93	4-6	2.5	14	ND	25 .	45
(	Date	Date (feet)	Date (feet) (ppm)	Date (feet) (ppm) (ppm)	Date (feet) (ppm) (ppm) (ppm)	Date (feet) (ppm) (ppm) (ppm) (ppm)

3253501/REPORT



Table 2

### SOIL ANALYTICAL RESULTS Former Chevron Service Station No. 9-2621 7667 Amador Valley Boulevard Dublin, California

Sample	Date	TPHg	В	т	Е	X	TOC	-
S-3.5-B5	9/21/93	<1	<0.005	0.006	<0.005	<0.015	NA	
S-6.5-B5	9/21/93	<1	< 0.005	0.006	< 0.005	< 0.015	NA	
S-5.3-B6	9/21/93	<1	< 0.005	< 0.005	< 0.005	< 0.015	1,800	
S-4.7-B7	9/21/93	<1	< 0.005	< 0.005	< 0.005	< 0.015	NA	
S-3.5-B8	9/21/93	<1	< 0.005	< 0.005	< 0.005	< 0.015	NA	
S-6.3-B8	9/21/93	<1	< 0.005	< 0.005	< 0.005	< 0.015	NA	

### Notes:

All results in parts per million (ppm)

=

Soil sample Sample depth in feet S 6.5 =

Boring 1 B-1 =

TPHg = TOC = Total petroleum hydrocarbons as gasoline.

Total organic carbon

В Benzene == T Toluene

Ε Ethylbenzene X Total xylenes =

Less than indicated detection limit established by the laboratory < =



Table 2

# SOIL ANALYTICAL RESULTS Former Chevron Service Station 9-2621 7667 Amador Valley Boulevard Dublin, California

Sample	Date	ТРНg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TOC
S-6.0-B9	3/12/94	<1	<0.005	<0.005	<0.005	<0.015	NA
S-3.0-B10	3/12/94	<1	<0.005	<0.005	<0.005	<0.015	NA
S-5.0-B10	3/12/94	<1	<0.005	<0.005	<0.005	<0.015	13,000

### Notes:

All results in parts per million (ppm)

S = Soil sample

6.5 = Sample depth in feet

B9 = Boring B-9

TPHg = Total petroleum hydrocarbons as gasoline.

TOC = Total organic carbon

< = Less than indicated detection limit established by the laboratory

NA = Sample not analyzed

## ATTACHMENT C GROUNDWATER ELEVATION AND ANALYTICAL DATA

# Table 4 Groundwater Analytical Data Total Petroleum Hydrocarbons (TPH as Gasoline, BTEX Compounds, and TPH as Diesel)

### Former Chevron Service Station 9-2621 7667 Amador Valley Boulevard at Starward Drive Dublin, California

Boring Number	Date Sampled	TPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	TPH as Diesel (ppb)
HP-1	03/17/93	ND	ND	ND	ND	ND	ND
HP-2	03/17/93	ND	5	9	1	10	NA
HP-3	03/17/93	- 85	6	15	3	18	NA
HP-4	03/17/93	4,500	8 .	. 17	23	15	NA
HP-5	03/17/93	730	4	7	0.6	5	NA
HP-6	03/17/93	5,500	` 5	ND	2	8	NA

ppm = Parts per billion

ND = Not detected

NA = Not analyzed

For detection limits see certified analytical reports.

3253501/REPORT April 26, 1993

Groundwater Analytical Date
Halogenated Hydrocarbons (VOCs) and
Semi-Volatile Organic Compounds (SVOCs)

Former Chevron Service Station 9-2621 7667 Amador Valley Boulevard at Starward Drive Dublin, California

Boring Number	Date Sampled	VOCs (All Compounds) (ppb)	SVOCs (All Compounds) (ppb)
HP-1	03/17/93	ND	. ND
ppb = ND = Not	Parts per b detected	illion	



### Table 3

### GROUNDWATER ANALYTICAL RESULTS Former Chevron Service Station No. 9-2621 7667 Amador Valley Boulevard Dublin, California

Sample Number	Date . Sampled	ТРНg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes
W-6-MW1	9/23/93	<50	<0.5	<0.5	<0.5	<1.5
W-8-MW2	9/23/93	<50	<0.5	< 0.5	<0.5	<1.5
W-7-MW3	9/23/93	<50	< 0.5	< 0.5	<0.5	<1.5
W-5-MW4	9/23/93	<50	<0.5	<0.5	<0.5	<1.5
TB-LB	9/23/93	<b>&lt;</b> 50	<0.5	<0.5	<0.5	<1.5

### Notes:

All results in parts per billion (ppb)

W Water sample

5 = MW1 =

TPHg =

Water level elevation
Monitoring Well MW-1
Total petroleum hydrocarbons as gasoline.
Less than detection limit established by the laboratory

TB-LB =Travel blank



Table 3
GROUNDWATER ANALYTICAL RESULTS
Former Chevron Service Station 9-2621
7667 Amador Valley Boulevard
Dublin, California

Sampled	TPHg	Total Benzene	Toluene	Benzene	Xylenes
3/4/94	23000	120	180	1500	730
3/11/94	<50	<0.5	<0.5	<0.5	<0.5
3/11/94	<50	` <0.5	< 0.5	<0.5	<0.5
3/11/94	<50	<0.5	< 0.5	< 0.5	<0.5
3/11/94	<50	<0.5	< 0.5	< 0.5	< 0.5
3/11/94	<b>7</b> 70	1.4	37	5.6	10
3/4/94	<50	<0.5	<0.5	<0.5	· <0.5
3/11/94	<50	<0.5	< 0.5	< 0.5	< 0.5
	3/11/94 3/11/94 3/11/94 3/11/94 3/11/94 3/4/94	3/11/94 <50 3/11/94 <50 3/11/94 <50 3/11/94 <50 3/11/94 770	3/11/94       <50	3/11/94       <50	3/11/94       <50

### Notes:

All results in parts per billion (ppb)

W = Water sample

5 = Water level elevation MW1 = Monitoring Well MW-1

TPHg = Total petroleum hydrocarbons as gasoline.

< = Less than detection limit established by the laboratory

TB-LB = Travel blank



### Table 1

### GROUNDWATER ELEVATION DATA Former Chevron Service Station No. 9-2621 7667 Amador Valley Boulevard Dublin, California

WELL NUM	BER DATE MEASURED	тос	DTW	ELEV./P.S.	
MW-1	9-23-93	346.73	6.62	340.11	
MW-2	9-23-93	348.41	8.11	340.30	
MW-3	9-23-93	347.14	7.04	340.10	
MW-4	9-23-93	343.52	5.12	338.40	

Notes:

TOC = DTW =

Top-of-Casing elevation feet above sea level (feet)
Depth to Water (feet)
Groundwater/Potentiometric Surface elevation above mean sea level (feet) ELEV./P.S.



Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-2621, 7667 Amador Valley Boulevard, Dublin, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness*	Analytic Method	TPPH(G) <	B	T ——ppb	E	>
		· · · · · · · · · · · · · · · · · · ·		(ft)	·····					
MW-1/	9/23/93	6.62	340.11	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
346.73	3/11/94	7.16	339.57	0	8015/8020	<50	< 0.5	< 0.5	< 0.5	< 0.5
	6/15/94	7.54	339.19	0	8015/8020	<50	< 0.5	0.8	< 0.5	2.0
	11/1/94	8.94	337.79	0	8015/8020	<50	< 0.5	< 0.5	< 0.5	< 0.5
	1/30/95 <sup>2</sup>	5.42	341.31	0	***	_			_	-
	5/15/95	3.29	343.44	0	8015/8020	<50	<0.50	< 0.50	< 0.50	< 0.50
MW-2/	9/23/93	8.11	340.30	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
348.41	3/11/94	8.60	339.70	ŏ	8015/8020	<50	< 0.5	<0.5	<0.5	<0.5
. 10174	6/15/94	8.95	339.46	ŏ	8015/8020	<50	0.5	0.7	<0.5	2.2
	11/1/94	10.41	338.00	Ö	8015/8020	<50	< 0.5	<0.5	<0.5	< 0.5
	1/30/952	6.79	341.62	ő	<del></del>	+			-	
	5/15/95	4.39	344.02	Ō	8015/8020	<50	<0.50	< 0.50	< 0.50	< 0.50
MW-3/	9/23/93	7.04	340.10	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
347.14	3/11/94	7.44	339.70	0	8015/8020	<50	< 0.5	< 0.5	< 0.5	< 0.5
	6/15/94	7.83	339.31	0	8015/8020	<50	<0.5	0.6	<0.5	2.0
	11/1/94	9.15	337.99	0	8015/8020	<50	< 0.5	< 0.5	< 0.5	< 0.5
	1/30/952	5.60	341.54	0		_				
•	5/15/95	3.39	343.75	0	8015/8020	<50	< 0.50	< 0.50	< 0.50	< 0.50
/W-4/	9/23/93	5.12	338.40	0	8015/8020	<50	< 0.5	< 0.5	< 0.5	<1.5
43.52	3/11/94	5.45	338.07	0	8015/8020	<50	< 0.5	< 0.5	< 0.5	< 0.5
	6/15/94	5.82	337.70	0	8015/8020	<50	< 0.5	0.7	< 0.5	2.2
	11/1/94	6.65	336.87	0	8015/8020	<50	< 0.5	< 0.5	< 0.5	< 0.5
	1/30/95 <sup>2</sup>	4.28	339.24	0	_			_	_	
	5/15/95	3.71	339.81	0	8015/8020	<50	< 0.50	< 0.50	< 0.50	< 0.50
MW-5/	3/11/94	6.10	339.41	0	8015/8020	770	1.4	37	5.6	10
345.51	6/15/94	6.48	339.03	0	8015/8020	650	1.5	38	12	5.5
	11/1/94	7.78	337.73	0	8015/8020	310¹	< 0.5	0.6	4.4	<0.5
	1/30/952	4.52	340.99	0			<u> </u>			
	5/15/95	2.89	342.62	0	8015/8020	140	0.89,	< 0.50	0.76	<0.50
√W-6²/	1/30/95	4,71	340.54	0	8015/8020	430	1.5	0.79	4.4	3.3



Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-2621, 7667 Amador Valley Boulevard, Dubli, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness*	Analytic Method	TPPH(G) <	B	T ppb	E	>
	<u>, , , , , , , , , , , , , , , , , , , </u>			(ft)			· · · · · ·			
345.25	5/15/95	3.36	341.89	0	8015/8020	200	1.9	< 0.50	<0.50	4.2
TB-LB	9/23/93	_	_		8015/8020	<50	< 0.5	<0.5	<0.5	<1.5
	3/11/94				8015/8020	<50	< 0.5	< 0.5	< 0.5	< 0.5
	6/15/94				8015/8020	<50	< 0.5	< 0.5	< 0.5	< 0.5
	11/1/94	***	****		8015/8020	<50	< 0.5	< 0.5	< 0.5	< 0.5
	5/15/95		•••		8015/8020	<50	< 0.50	< 0.50	<0.50	< 0.50
BB-1 <sup>2</sup>	1/30/95			***	8015/8020	<50	<0.5	<0.5	<0.5	<0.5

#### **EXPLANATION:**

DTW = Depth to water

TOC = Top of casing elevation

GWE = Groundwater elevation

msi = Measurements referenced relative to mean sea level

TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

ppb = Parts per billion

--- = Not applicable/not available

#### **ANALYTIC METHODS:**

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

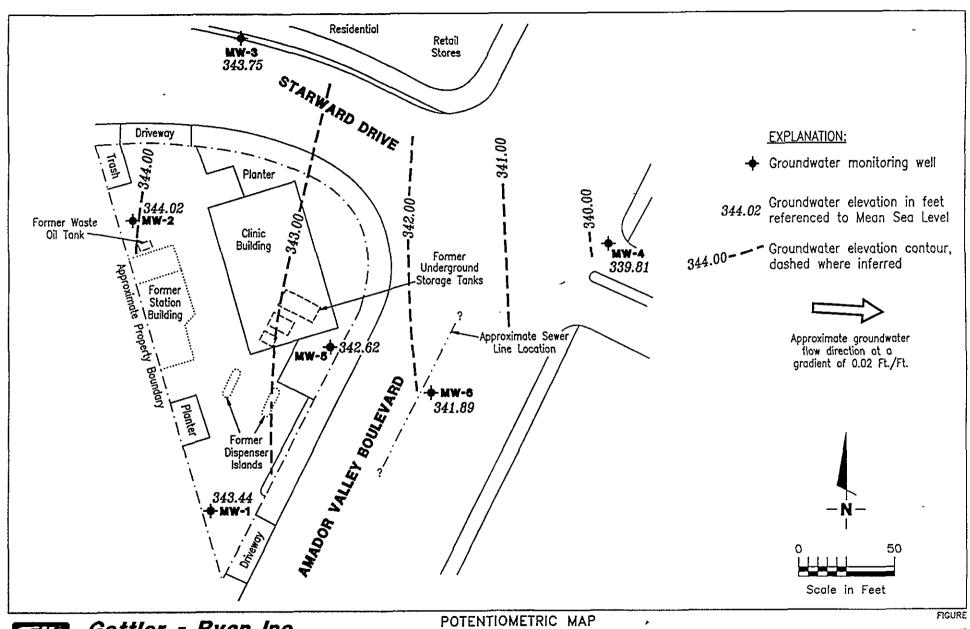
8015 = Modified EPA Method 8015 for TPH(D)

8020 = EPA Method 8020 for BTEX

#### NOTES:

Water level elevation data and laboratory analytic results prior to May 15, 1995 were compiled from Quarterly Monitoring Reports prepared for Chevron by Sierra Environmental Services.

- Product thickness was measured on and after June 15, 1994 with an MMC flexi-dip interface probe.
- Does not match typical gasoline pattern.
- Water level data and analytic results from the January 30, 1995 event compiled from the Canonie Environmental Well Installation Reportprepared for Chevron, February 22, 1995.





Gettler - Ryan Inc.

6747 Sierra Ct., Suite J Dublin, CA 94568

(510) 551-7555

Former Chevron Service Station No. 9-2621 7667 Amador Valley Boulevard Dublin, California

REVIEWED BY JOB NUMBER 5102.80

DATE May 15, 1995 REVISED DATE

## ATTACHMENT D BORING LOGS

.



Project Number: F9234.11

### EXPLORATORY BORING LOG

Project Name: Amador Valley Medical Clinic

7667 Amador Valley Boulevard

Dublin, CA 94568

Boring No.

B-1 Date Drilled: 10/15/92

Logged By:

S. Fontaine

			_					
Depth (ft.)	Sample No.	Blows/Foot	140 ft/lbs.	Unified Soil Classification	SOIL DESCRIPTION	Water Level	OVM Reading (ppm)	Well Construction
					3" Asphalt			
					7" gravelly sand base			
- ^ - - 2 -	·			CT	SILTY CLAY with trace fine sand, gray to black, damp; cuttings			
		1						
- 3 -					SILTY CLAY, trace fine sand, light gray, damp; cuttings			
4 -								
- <				CL	SILTY CLAY, trace fine to medium sand, medium brown, damp, moderate plasticity, stiff		0.0	
_ ~	B1-1	3.	4					!
6 -					·			Bentonite
7-								ento
					Product odor in cuttings			B
- 8 ~								٠
- 9 -								]
<b>L</b> . H				<u> </u>	SILTY CLAY with 5% course sand/fine gravel, medium brown, damp,	i	over	<u> </u>
10	B1-2	41	2	CL	moderate plasticity, very stiff, strong product odor	_	9999	
- 11-	İ				Bottom of boring at 10.5 feet			
- 12-	1						}	
	ļ				·		ł	
- 13 -								
- 14-	ł							
<b>-</b>	1							
- 15-								
- 16-								
- 17-	1							
- 18-	1							
	1							
- 19 -								1
- 20 -					•			
-	1					1		
21-	1							
	<u> </u>			.1	I	1	I	

REVIEWED BY R.G./C.E.G.



### EXPLORATORY BORING LOG

Project Name:

Amador Valley Medical Clinic 7667 Amador Valley Boulevard

**Dublin, CA 94568** 

Project Number: F9234.11

Boring No. B-2

Date Drilled: 10/15/92

Logged By: S. Fontaine

Depth (ft.)	Sample No.	Blows/Foot	140 ft/lbs.	Unified Soil Classification	SOIL DESCRIPTION	Water Level	OVM Reading (ppm)	Well Construction
- , -					3" Asphalt 6" grayelly sand base			
- 1 - 2 - - 2 -				CL	SILTY CLAY with 10% fine sand, medium to dark brown, slightly damp, moderate plasticity, very stiff			
- 4 r							37.7	
- 6 - - 7 -	B2-1	43		 	Grading to less sand			Bentonite
- 8 <del>-</del> - 8 -			!		Slight product odor			
10	B2-2	35	5	CL	SILTY CLAY no sand, dark brown with gray mottling, damp, moderate plasticity, very stiff, slight odor		45.6	
- 11- - 12- - 13-					Bottom of boring at 10.5 feet			
- 14-	-							
- 16- - 17- - 18-			•					
- 19 - 20	-{							
21	1			}				

REVIEWED BY R.G.JC.E.G.



### **EXPLORATORY BORING LOG**

Project Name:

Amador Valley Medical Clinic

7667 Amador Valley Boulevard

**Dublin, CA 94568** 

Boring No.

B-3

Date Drilled: 10/15/92

S. Fontaine

**Project Number:** F9234.11

Logged By:

OVM Reading (ppm) Unified Soil Classification Sample No. Water Level Blows/Fool Depth (ft.) 140 ft/lbs. Construction Well SOIL DESCRIPTION 3" Asphalt 7" gravelly sand base SC CLAYEY SAND with silt, fine to medium grained, dark to 2 medium brown, granular; fill 3 5 75.6 B3-1 CL 27 SILTY CLAY, 5% fine sand, medium brown with gray mottling, slightly damp, stiff б Bentonite 8 9 107 10 B3-2 25 CL SILTY CLAY, trace fine sand, medium brown, damp, stiff 11 Bottom of boring at 10.5 feet 12 13 15 18 19

REVIEWED BY R.G./C.E.G.O



### EXPLORATORY BORING LOG

Project Name:

Amador Valley Medical Clinic

7667 Amador Valley Boulevard

Dublin, CA 94568

Project Number: F9234.11

Boring No. B-4

Date Drilled: 10/15/92

Logged By: S. Fontaine

Depth (ft.)	Sample No.	Blows/Foot	140 ft/lbs.	Uniffed Soil Classification	. SOIL DESCRIPTION	Water Level	OVM Reading (ppm)	Well Construction	Asphalt
┡	{				4" Asphalt 6" grayelly sand base				A Sp
- 1 - - 2 -				д	SILTY CLAY with 10-15% fine sand, dark gray to black, granular; cuttings		,	:	
- 3 -  - 4 -					SILTY CLAY with 5% fine sand, light gray, granular; cuttings				
- 5	B4-1	42		CL.	SILTY CLAY, trace fine sand, medium brown with some gray mottling, damp, moderate plasticity, very stiff; rootholes		81.5		
- / - - 8 - - 9 -					Gray, product odor				
- 10 - 11 - 12- - 13-	B4-2	30	:	CL	SILTY CLAY, trace fine sand, dark brown to black, damp, moderate plasticity, very stiff, very strong product odor		over 9999	Bentonite	
- 14- - 15- - 16	D4.2							Ben	
- 4	B4-3	26	=	CL.	SILTY CLAY, medium brown, very moist, moderate plasticity; stiff		35.6		1
- 17- - 18-	:				Bottom of boring at 16. 5 feet (angled)				
19		•					,		
21					·	;	•		

REVIEWED BY R.G./C.E.G.

LOCATION M			1	PACIFIC ENVIRONMENTAL GROUP, INC.  BORING NO. HP-1 PAGE 1 OF 1							
HP-1	ASTING OF LAND	ELEV		PROJECT NO. 325-35.01  LOGGED BY: CM  DRILLER: ECA  DRILLING METHOD: HAMMER  SAMPLING METHOD: 1" CORE  CASING TYPE: NA  SLOT SIZE: NA  GRAVEL PACK: NA  CLIENT: CHEVRON U.S.A.  DATE DRILLED: 3-17-93  LOCATION: 7667 Amador Valley  HOLE DIAMETER: 2"  WELL DIAMETER: NA  WELL DIAMETER: NA  CASING STICKUP: NA							
WELL COMPLETION	MOISTURE	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET) .	SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS			
Back Filled With Cement	Mst .	0		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22			SC	2" ASPHALT; BASEROCK CLAYEY SAND: olive; 20-25% clay; no product odor.  SILTY CLAY: olive; 10-15% silt; moderate to high plasticity; no product odor.  @8-10": olive gray; high plasticity; <5% silt.  BOTTOM OF BORING AT 10"			

.

LOCATION MAP		1	PACIFIC ENVIRONMENTAL GROUP, INC. BORING NO. HP-2						
HP-2 NORTHING EASTING	AN A	N	PAGE 1 OF 1  PROJECT NO. 325-35.01  LOGGED BY: CM  DRILLER: ECA  DRILLING METHOD: HAMMER  SAMPLING METHOD: 3/4" CORE  CASING TYPE: NA  SLOT SIZE: NA -  GRAVEL PACK: NA  CASING STICKUP: NA						
WELL COMPLETION	CONTENT	PENETRATION (BLOWS/FT)	DEPTH (FEET) RECOVERY SAMPLE EINTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / RE	EMARKS		
	Ast O		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 1		CL	2" ASPHALT; BASEROCK CLAYEY SAND: olive; 15-25% cla SILTY CLAY: dark gray; 10-15% s no product odor.  BOTTOM OF BORING	ilt; moderate plasticity;		

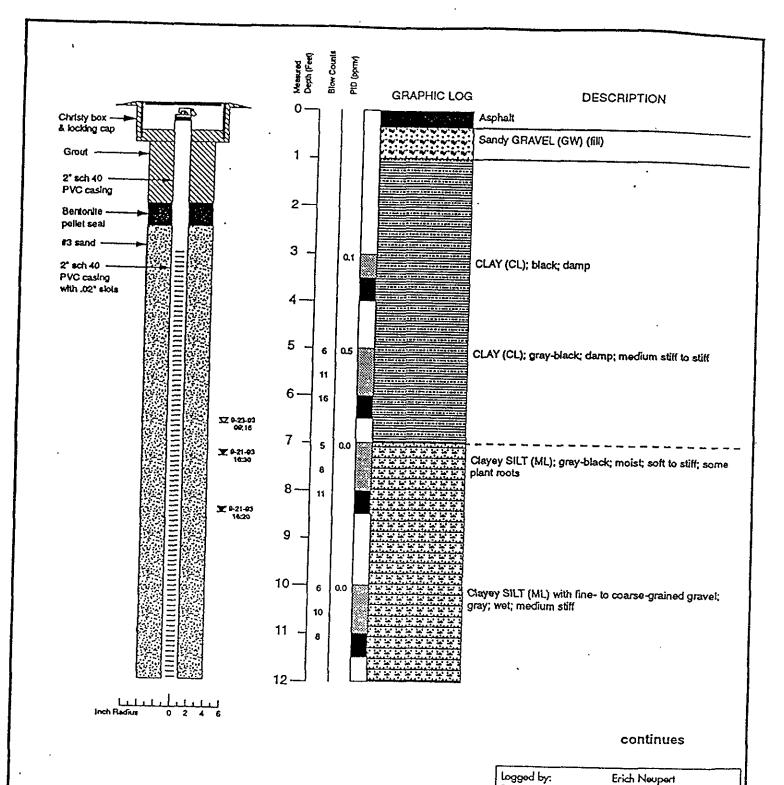
LOCATION MAP	>HP-3	1	PACIFIC ENVIR	PACIFIC ENVIRONMENTAL GROUP, INC. BORING NO. HP-3 PAGE 1 OF 1							
NORTHING EAST	HP-3 ON TOPE ELEV	ALION	PROJECT NO. 325-35.01  LOGGED BY: CM  DRILLER: ECA  DRILLING METHOD: HAMMER SAMPLING METHOD: 3/4" CORE CASING TYPE: NA SLOT SIZE: NA GRAVEL PACK: NA  CLIENT: CHEVRON U.S  DATE DRILLED: 3-17-93  LOCATION: 7667 Amade HOLE DIAMETER: 1 1/2"  WELL DIAMETER: NA WELL DEPTH: NA CASING STICKUP: NA								
WELL COMPLETION	MOISTURE CONTENT PID	PENETRATION (BLOWS/FT)	DEPTH (FEET) RECOVERY SAMPLE INTERVAL GRAPHIC SOIL TYPE	LITHOLOGY / REMARKS							
Back Filled With Cement	Mst 0		1 FL SC 3 FL SC 3 FL SC 10 FL 11 FL 12 FL 13 FL 16 FL 17 FL 18 FL 19 FL 20 FL 21 FL 22 FL	Planter Topsoil FiLL: gravel. CLAYEY SAND: olive; 20-25% clay; fine sand; no product odor.  CLAY: olive gray; high plasticity; 5-10% silt; no product odor.  BOTTOM OF BORING AT 10'							

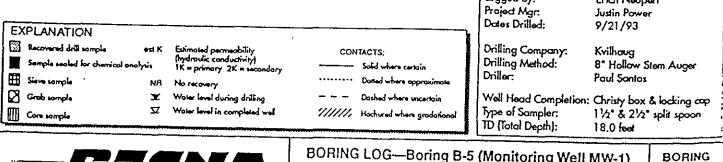
LOCATION MAP	1		1										
		Ö						ONMENTAL GROUP, INC. BORING NO. HP-4 PAGE 1 OF 1					
NORTHING EAST	HP-4 100 ELEVATION						PROJECT NO. 325-35.01  LOGGED BY: CM  DRILLER: ECA  DRILLING METHOD: HAMMER  SAMPLING METHOD: 3/4" CORE  CASING TYPE: NA  SLOT SIZE: NA  GRAVEL PACK: NA  CLIENT: CHEVRON U.S.A.  DATE DRILLED: 3-17-93  LOCATION: 7667 Amador Valley  HOLE DIAMETER: 1 1/2"  WELL DIAMETER: NA  WELL DIAMETER: NA  WELL DEPTH: NA  CASING STICKUP: NA						
WELL COMPLETION	MOISTURE	PID	(BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS					
Back Filled With Cement	Wt	6		1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 12 - 22 - 12 - 22 - 12 - 1			FL SC	Planter Topsoil FILL: gravel.  CLAYEY SAND: olive; 15-20% clay; fine sand; moderate product odor.  CLAY: olive gray; high plasticity; 0-5% silt; moderate product odor.  BOTTOM OF BORING AT 10'					

	LOCATION M	1	PAC	PACIFIC ENVIRONMENTAL GROUP, INC. BORING NO. HP-5 PAGE 1 OF 1							
	NORTHING E		LOGO DRILI DRILI SAMF CASII SLOT GRA	PROJECT NO. 325-35.01  LOGGED BY: CM  DRILLER: ECA  DRILLING METHOD: HAMMER  SAMPLING METHOD: 3/4" CORE  CASING TYPE: NA  SLOT SIZE: NA  GRAVEL PACK: NA  CLIENT: CHEVRON U.S.A.  DATE DRILLED: 3-17-93  LOCATION: 7667 Amador Valle  HOLE DIAMETER: 1 1/2"  HOLE DEPTH: 10'  WELL DIAMETER: NA  WELL DEPTH: NA  CASING STICKUP: NA							
c	WELL OMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	оертн (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS		
	Back Filled With Cement	Mst	5		1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 22 - 22 - 22 - 22 - 22			FL SC . CL	Planter Topsoil FILL: gravel. CLAYEY SAND  CLAY: dark gray; 0-5% silt; moderate product odor.  BOTTOM OF BORING AT 10'		

	LOCATION MAP					PACIFIC ENVIRONMENTAL OFFICE THE ROPING NO. 115			
	MORTHING EASTING ELEVATION					PACIFIC ENVIRONMENTAL GROUP, INC. BORING NO. HP-6 PAGE 1 OF 1			
•	NORTHING EAS	LOGO DRILI DRILI SAMF CASII SLOT	PROJECT NO. 325-35.01  LOGGED BY: CM  DRILLER: ECA  DRILLING METHOD: HAMMER  SAMPLING METHOD: 3/4" CORE  CASING TYPE: NA  SLOT SIZE: NA  GRAVEL PACK: NA  CLIENT: CHEVRON U.S.A.  DATE DRILLED: 3-17-93  LOCATION: 7667 Amador Valle  HOLE DIAMETER: 1 1/2"  WELL DIAMETER: NA  WELL DEPTH: NA  CASING STICKUP: NA						
	WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	ОЕРТН (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
	Back Filled With Cement		3		1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 22 - 22 - 22 - 22 - 22			FL CL	Planter Topsoil FiLL: gravel. SANDY CLAY  CLAY: dark gray; moderate plasticity; 10-20% silt; faint product odor.  BOTTOM OF BORING AT 10'

:

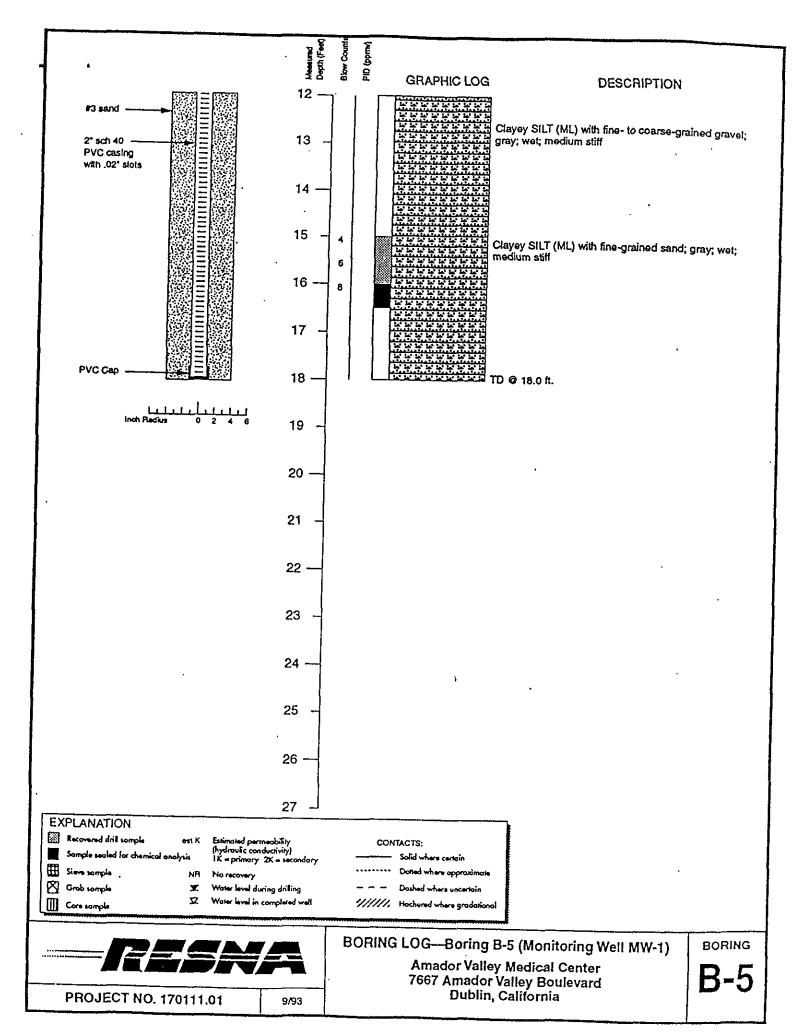


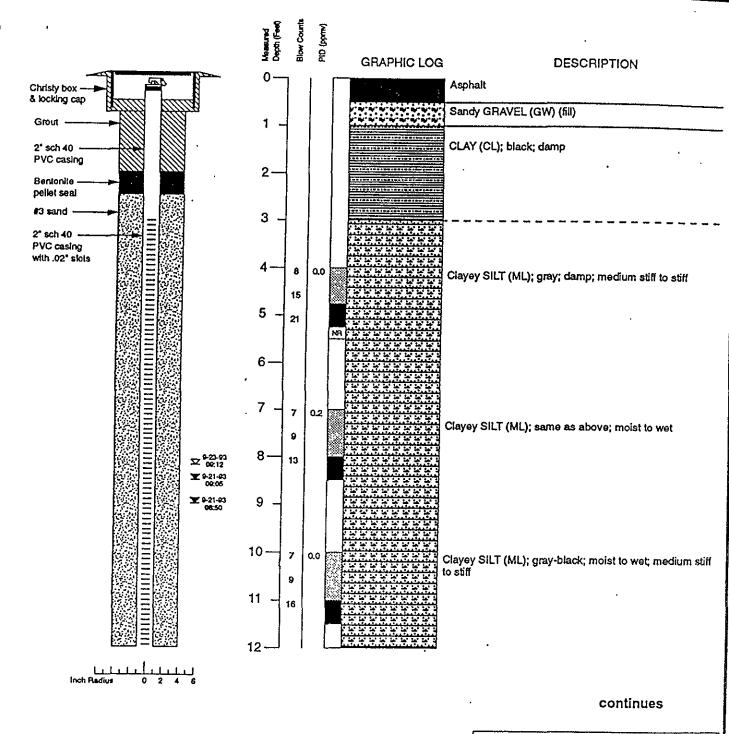


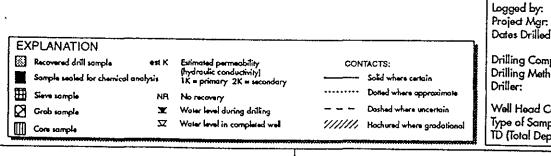


BORING LOG-Boring B-5 (Monitoring Well MW-1)

Amador Valley Medical Center 7667 Amador Valley Boulevard Dublin, California







Logged by: Erich Neupert
Project Mgr. Justin Power
Dates Drilled: 9/21/93

Drilling Company: Kvilhaug
Drilling Method: 8" Hollow Stern Auger
Driller: Paul Santos

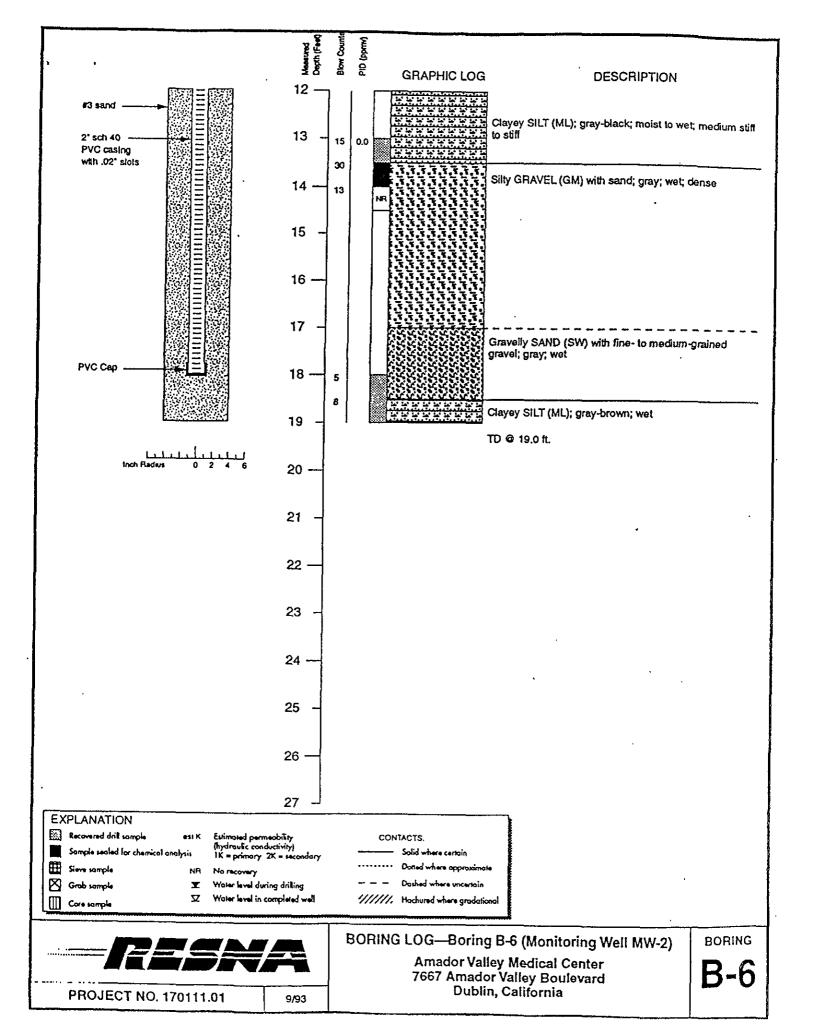
Well Head Completion: Christy box & locking cap

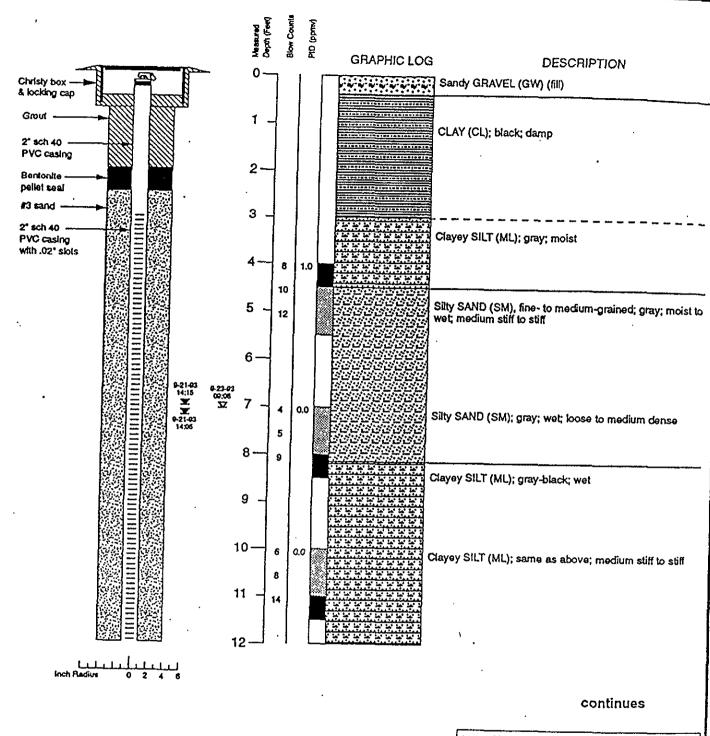
Well Head Completion: Christy box & locking cap Type of Sampler: 1 ½\* & 2½\* split spoon TD (Total Depth): 19.0 feet

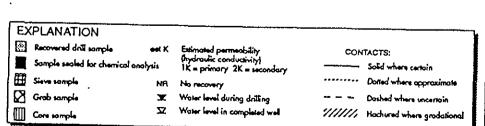


BORING LOG—Boring B-6 (Monitoring Well MW-2)

Amador Valley Medical Center 7667 Amador Valley Boulevard Dublin, California BORING R.A







Logged by: Erich Neupert Project Mgr. Justin Power Dates Drilled: 9/21/93 Drilling Company: Kvilhaug

Drilling Method: 8" Hollow Stem Auger Driller: Paul Santos

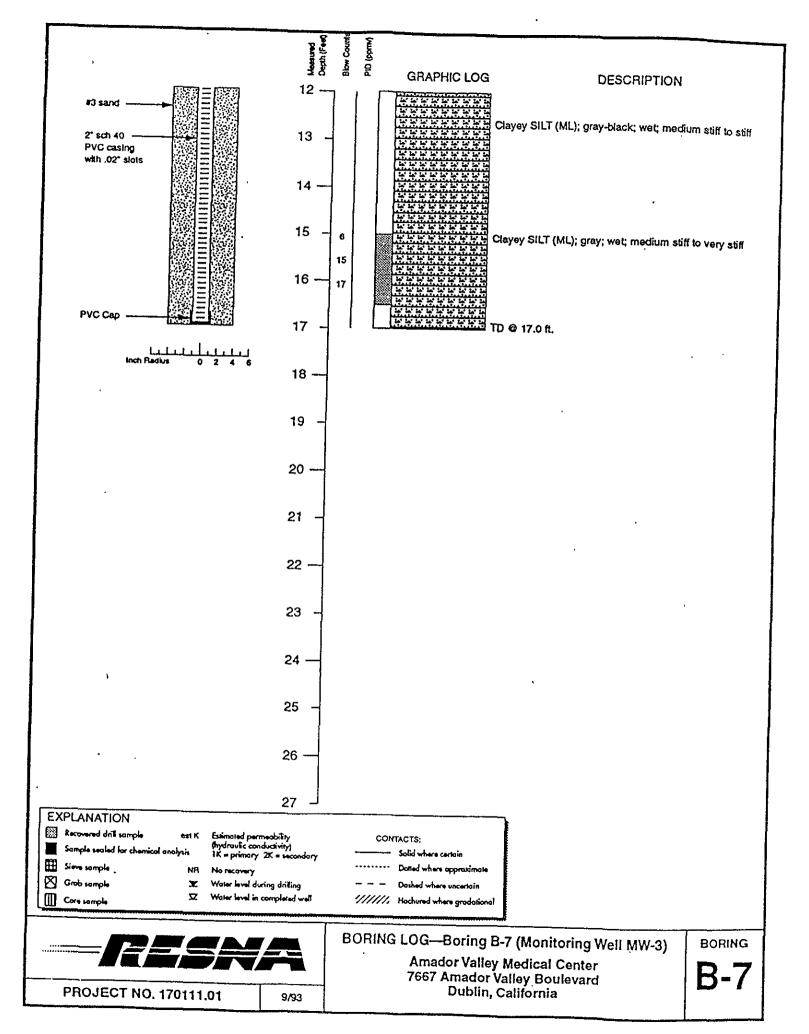
Well Head Completion: Christy box & locking cap Type of Sampler: 1 1/2" & 21/2" split spoon TD (Total Depth): 17.0 feet

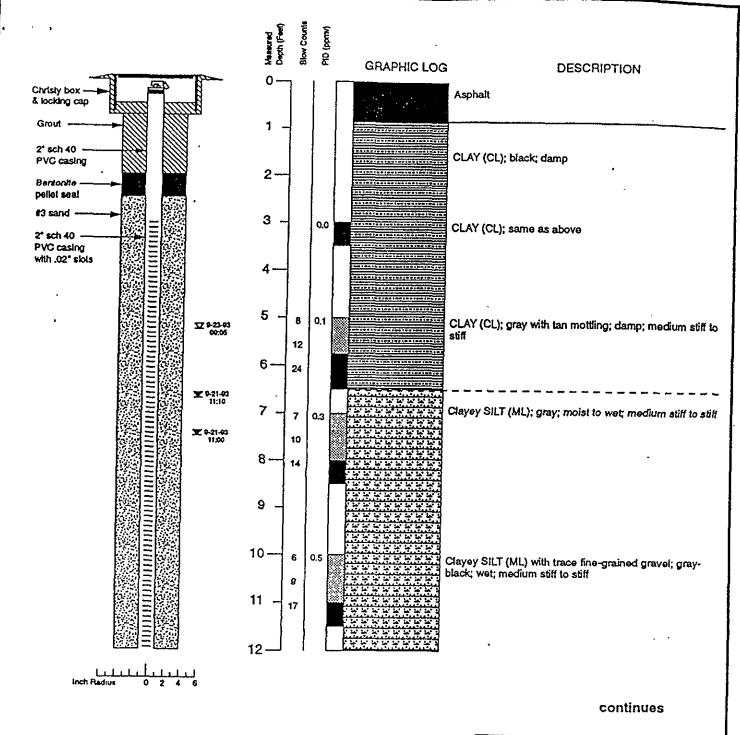


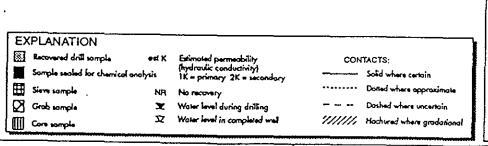
BORING LOG-Boring B-7 (Monitoring Well MW-3)

**Amador Valley Medical Center** 7667 Amador Valley Boulevard **BORING** 

Dublin, California







logged by: Erich Neupert Project Mgr: Justin Power Dates Drilled: 9/21/93

Drilling Company:

Kvilhaug

Drilling Method:

8° Hollow Stem Auger

Driller:

Paul Santos

Type of Sampler:

Well Head Completion: Christy box & locking cap 11/2" & 21/2" split spoon

TD (Total Depth): 18.0 feet



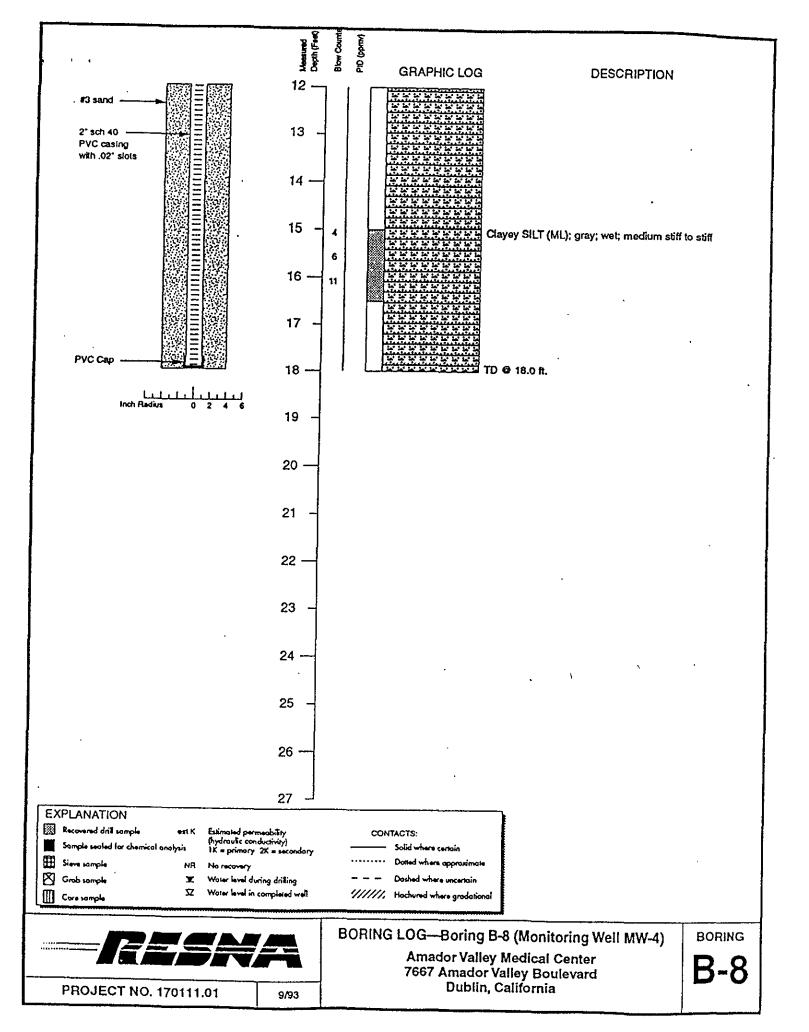
BORING LOG—Boring B-8 (Monitoring Well MW-4) Amador Valley Medical Center

BORING

PROJECT NO. 170111.01

9/93

7667 Amador Valley Boulevard Dublin, California



Total depth of boring: 17 Feet	Diameter of boring:8 Inch	Data dall + 7 (+ (6)
Canina diserration in the contract of the cont	Length: 17 Feet	
Conser die		Slot size, 0.020 Inch
Drilling Company, Woodward Drilling	Length: 12 Feet	Material type: PVC
		ie Lawrence
Method Used: Hollow-stem ouger; Co	lifornia modified split-spoon	Field Geologist, C.L.
orgunitate of Registered	Professional:	-
Registration No	State: Col	lifornia

MEASURED DEPTH	NO.	ELOWS	P.I.D.	USCS	DESCRIPTION	WELL
0 -				СГ	Clay, brown.	
- 4 -						
– е –	S-5	17	3.5 ppmv		Clay, brown, damp, stiff, no odor.	
- 8 -	S-8	15	650 ppmv	¥ =ML	Clayey silt, brown to gray, damp, stiff, hydrocarbon odor.	
- 10 - S	3-10	19	150 ppmv		Becoming moist.	
- 12 -						
- 14						
- 16 — S	-15	15	15 ppmv	SM	Silty sand, brown, no odor, wet, dense.	
- 18 -					Boring terminated at 17 Feet. Boring Converted to monitoring well.	
		İ				



LOG OF BORING: B-9/MW-5 Former Chevron Service Station No. 9-2621 7667 Amador Valley Boulevard Dublin, California

**PLATE** 

Total depth of borings_10 Feet	Diameter of boring: 4 Inch	
Casing diameter: NA	Length: NA	Date drilled: 3/4/94
Screen diameter, NA	Length: NA	Slot size: NA
Drilling Company, Woodword Drilling		Material type: NA
Method Used: Hollow-stem auger: Co		Leoch
Signature of Registered	Professional	eld Geologist: SL'
Registration No		nio

DEPTH	SAMPLE NO.	BLOW	P.I.D.	USCS		WEL
- o -					·	
1		!			Aspholt	
<u> </u>	.			CL	Cloy, brown.	
_ 4	S-3		0 ppmv		Clay, brown, damp.	
7	S-5		bbwa 0.			
— 6 —	$\bigcap$					
- 8 -	S-7	ł	16 ppmv	ML ¥	Clayey silt, brown, moist.	
				_		
- 10 -	H		-		Boring terminated at 10 to 1 p.	<u> </u>
- 12 -					Boring terminated at 10 feet. Boring backfilled with cement bentonite slurry.	
- 14 -						
- 16 -						
- 18						



LOG OF BORING: B-10
Former Chevron Service Station No. 9-2621
7667 Amador Valley Boulevard
Dublin, California

## ATTACHMENT E WELL SEARCH

. . .

Inventory of Wells Located in Township T25 Range RIW Section 36, County Alameda

		•			
	Owner	Owner's Address	Well Location	Year Drilled	<u>U</u> se .
1	Volk - McLain Co. Volk - McLain Co.	P.O. Box 187. Danville	$\frac{25/1\omega - 36E1}{1200000000000000000000000000000000000$	1960	Electric
2	Zore 7 Water Agency Yolk - McLain Co.	5997. Parkside Drive	Corner of Aldea St. 2 Larkd S of Brighton Dr W. of Bristo	1 Rd 1977	<u>Domestic</u> <u>Monitorin</u>
ells)3.	Shell Oil Co. Unocal Corporation	1390 Willow Pass Rd, Concord	25/IW-36JI 7194 Amador Valley Blvd	<u>1960</u> 1988	Electric - Monitorina
11s) 3	Shell Oil Co	1390 Willow Pass Rd, Concord	7375 Amador Valley Blvd.	<u>1988</u> . <u>1989</u>	Monitoring Monitoring
115) 5	Richard E. Dadge (Dutch Pric	de Dainy) 1120 Walker Avenue, Walno	1.00	<u>1989</u> d <u>1990</u>	Monitoring Monitoring
itels)	ARCO Products Co ARCO Products Co		25/1W-36P J Station No. 6041 (25/1W-36P)	<u> 1991</u> 1992	Monitoring :
			: /		
,		· · ·			<del></del>
•				,	•
•					

Inventory of Wells Loc	ated in Township <u>T3S</u> Range _	Pul and	ΛΙ Ι -
200 200 200 200 200 200	acca in lownship <u>155</u> Range _	NIW Section _ / , County	_Alameda
Owner	Owner's Address	Well Location I	Year Drilled Use
7 Volk-McLain Co	7024 Helrose Ave Los Angeles		<del></del>
Volk-McLain Co		.35/IW - IBI	1959
Volk McLain Co.		35/IW-IBI	1960 Test Well
) 8 Valley Community Service Dist	_ Doblin .	35/1W-182 behind VCSD bu	[30] 0001
9 Zone 7 Water Agency	5997 Parkside Dr., Pleasanton	16' northeast of Flood Control F-4.	39! NW of Maple 1976 Mon.
10 Alameda Co. Flood Control	1440 Concannon Blvd., Livermore	N side flood control Creek of May	ole 1979 Test Well
) 11 Moritgomery Ward 12 Chevron	Dublin	35/IW IE	1989 Bornigs
12 Chevron		7240 Dublin Blud. 7240 Dublin Blud.	1988 Monitoring
Volk- McLain Co.	7890 axbow Lane, Pleasanton	2000' E of State 21, 100'N Cant	1990 Vadose
13 Dublin San Ramon Service Dist.	7051 Dublin Blyd, Dublin	35/IW-IH2, 1/2 block E of Plant	- 1985
14 <u>Dublin San Ramon Sarvice Dist</u>		Near Johnson Dr. O-1 mi S of I 55	
15 Mozart Development Co.	435 Tasso St, Palo Alto	0.3 mi W of I680, 239'S of I580	
16 <u>Livermore Amador Valley Hanagme</u> 17 <u>Acme Drilling Service</u>		Sw comer of 580 \$ 680	1979 Cathodic
wells) She'll Oil Company	832 Cleveland St, Oakland	35/1W-1	1949 Well for Cattle
vells) Target Stores		35/10-1C 35/1W-1C	1989 <u>Monitori</u> ng 1991 Monitoring
Alb) ENEA Properties		35/1W-1F	1991 Monitoring 1993 Monitoring
Buttord Properties		35/ IW- IM	1991 Moniporing
elb) Stoncridge Chrysler		35/IW- IN	1991 Monitoring
wells) Clorox Corp		35/1W-1R	1990/1992 Monitoring
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	Owner	Owner's Address	Well Location	Year Drilled	Hao.
	18 Zone 7 Water Agency	5997 Parkside Drive, Pleasanton			<u>Use</u>
	19 Public Storage		W of San Ramon Rd., Not Amador	Vallay 1976	Monitoring
\		2570 San Ramon Valley, San Ramo		1990	<u>Destriction</u>
ソ	20 Dougherty Regional Fire Author		7494 Donohue Drve Dublin	1 , 1999/92	Monitoring
	R. Banke	Dublin .	Imi E of 50, turn left on NWa	Inut Crost 1950	Irrigation
	Murray Township School		, 2 mi E of Don's, across from Star	dard 0:1 1951	Domestic
וואי	21 Texaco		7840 Amador Valley Rd	1988	Honitoring
اإيد :	22 Chevron	P.O. Box 5004, San Ramon	7007 San Ramon Rd.	1990/91	Monitoring
zll,	23 Uno-21 Corporation	2000 Crow Canyon Rd , San Ramon	11976 Dublia Blvd (55#3		Moni Forma
	24 Dublin Historical	Donalon Way Dublic	Same		Domestic
	25 Arnold Fund	45 Quail Court, Walnut Creek	11746 Dublin Blud	1983	24
યીક	) 26 Harbor View Investment	4 Embarcadero Center	11920 Dublin Canyon Rd	1985	
	Joe Martin Dublin		35/IW-2RI	7,00	•
	Banke		1st house on left going into Dublin	1948	
			for Hayward All, Dublic Cary	em Rd.	<del></del>
	Spring Valley Water Co		35/1W-2B		
	27 CA Dept of Transportation	150 Cak St, San Francisco	I-580 @ Post Mile 21.88	1912	R
	Joe Martin	Doblin	35/1W - 2R SE Otr	1975	<u> 28719</u> .
wel	\		35/1W-2A	1000	11:1.
	1) 1	SS # 5901	35/1W-2H	1992	Monitoring
vell:	5)	3 . 3 /0 /	33/7W-2H	1990-	Monitoring .
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Inventory of Wells Loc	cated in Township T2S Range 1	RIW Section 35, Count	y Alameda:
Owner	Owner's Address	Well Location	Year Drilled Use
City of Dublin		T25/RIW-35K	1991 Imgation
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