



**Chevron**

90 NOV 18 PM 4:35

November 17, 1998

**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L, Room 1110  
PO Box 6004  
San Ramon, CA 94583-0904

Mr. Scott Seery  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Philip R. Briggs**  
Project Manager  
Site Assessment & Remediation  
Phone 925 842-9136  
Fax 925 842-8370

**Re: Chevron Service Station #9-8139**  
**16304 Foothill Blvd.**  
**San Leandro, California**

Dear Mr. Seery:

Enclosed is the Well Destruction report, dated October 26, 1998, that was prepared by our consultant Gettler-Ryan at the above noted site. This report describes the destruction of five ground water monitoring wells, [REDACTED] MW-6 and MW-7. Copies of the State of California Well Completion Reports are attached along with the Alameda County Public Works Agency permit.

If you have any questions call me at (925) 842-9136.

Sincerely,  
**CHEVRON PRODUCTS COMPANY**

Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

**Cc.** Mr. Chuck Headlee  
RWQCB-San Francisco Bay Region  
2101 Webster St., Suite 500  
Oakland, CA 94612

Mr. Bill Scudder, Chevron



# GETTLER-RYAN Inc.

October 26, 1998

Mr. Phil Briggs  
Chevron Products Company  
P. O. Box 6004  
San Ramon, California 94583

**Subject: Well Destruction at Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California.**

Mr. Briggs:

At the request of Chevron Products Company, Gettler-Ryan Inc. (GR) destroyed five groundwater monitoring wells (MW-1, MW-2, MW-3, MW-6 and MW-7) at the above referenced site on September 21 and 22, 1998. The locations of the abandoned wells are shown on the Site Plan (Figure 1). Copies of the State of California Well Completion Reports are attached. The wells were destroyed under ACPWA permit #98WQ398, dated September 15, 1998 (attached). Well destruction activities were performed by Bay Area Exploration, Inc. (C57-522125). Destruction activities are summarized in Table 1.

The wells were drilled out with 8-inch diameter hollow stem augers to 1 foot past the installed depth to remove the casing, sand pack and annular seal material. Upon completion of drilling, a tremie pipe was used to place neat cement in the boring from the total depth to the ground surface.

Drill cuttings generated during well destruction activities were stockpiled on-site, placed on and covered with plastic sheeting. The stockpiled soil was sampled for disposal characterization. Copies of the laboratory analytical report and chain-of-custody record are attached. On September 29, 1998, the soil stockpile was removed from the site and transported to BFI Landfill in Livermore by Integrated Wastestream Management Inc.

The activities described in this report were performed in accordance with the California Department of Water Resources' *California Well Standards* (Bulletins 74-81 and 74-90) and Alameda County Public Works Agency (ACPWA) guidelines.

If you have questions, please call us at (925) 551-7555.

Sincerely  
Gettler-Ryan Inc.

Barbara Sieminski  
Project Geologist  
R.G. 6676



Stephen J. Carter  
Senior Geologist  
R.G. 5577



346461.01

Attachments: Table 1. Well Data  
Figure 1. Site Plan  
Well Abandonment Permit  
Field Methods and Procedures  
Laboratory Analytical Report and Chain-of-Custody Form  
State of California Well Completion Reports

Table 1. Well Data - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California.

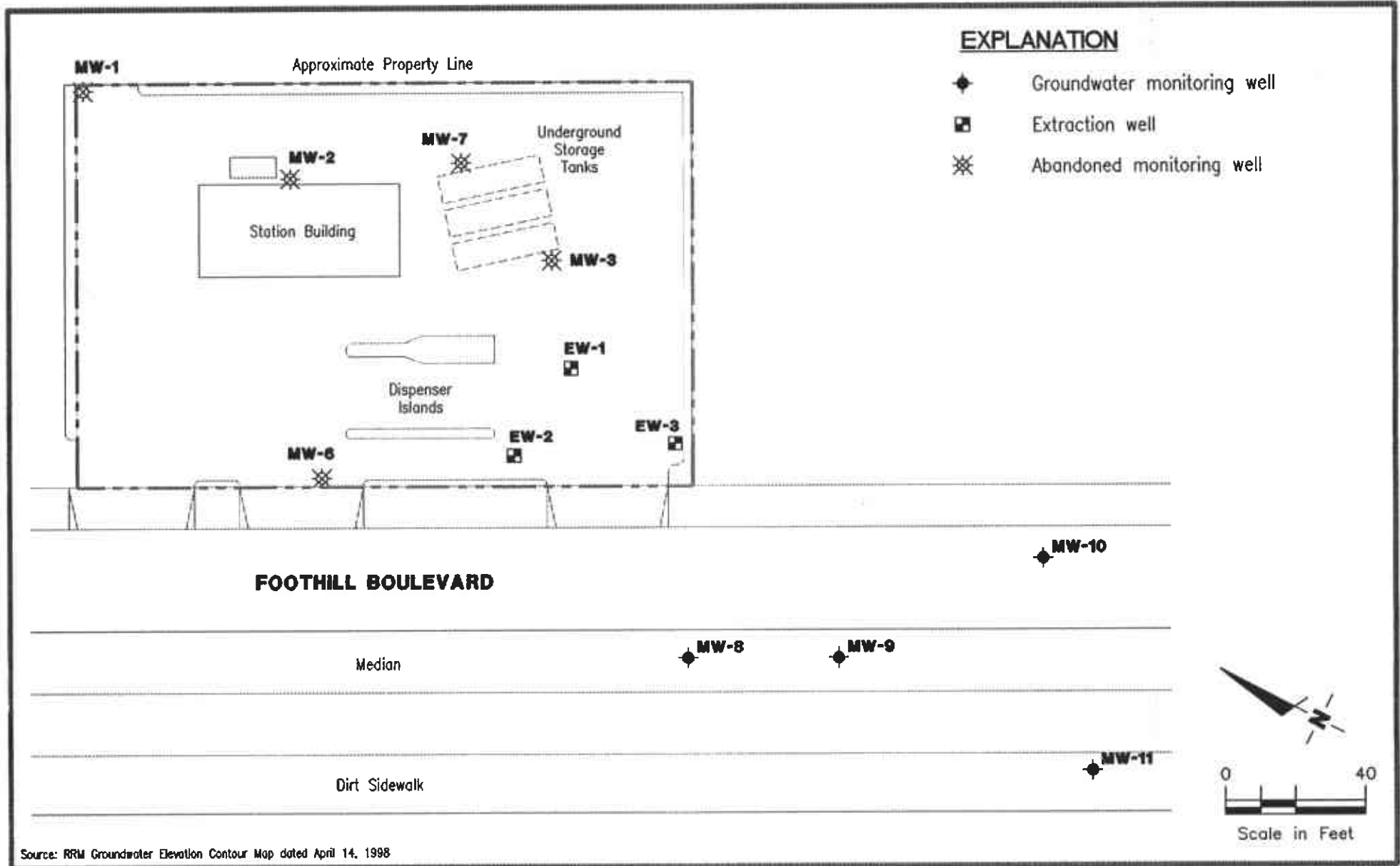
Well ID	Well Diameter (inches)	Drilled Depth (feet)	Installed Well Depth (feet)	Well Depth on 09/21/98 (feet)	Depth to Water on 09/21/98 (feet)	Abandonment Method
MW-1	2	31.0	30.0	26.5	6.05	Drilled out to 30.0 feet bgs
MW-2	2	31.0	30.0	29.5	5.02	Drilled out to 31.5 feet bgs
MW-3	2	27.0	25.5	25.5	12.42	Drilled out to 26.5 feet bgs
MW-6	2	35.0	29.2*	29.2	12.42	Drilled out to 35.0 feet bgs
MW-7	2	27.0	26.0	26.0	11.72	Drilled out to 27.0 feet bgs

**EXPLANATION:**

bgs = below ground surface

\* = Gravelpack present beneath the well casing to 34.0 feet bgs

346461.01



**Gottler - Ryan Inc.**

6747 Sierra Ct., Suite J (925) 551-7555  
 Dublin, CA 94568

**SITE PLAN**  
 Chevron Service Station No. 9-8139  
 16304 Foothill Boulevard  
 San Leandro, California

FIGURE  
**1**

JOB NUMBER  
 346461.01

REVIEWED BY  
*RS*

DATE  
 October, 1998

REVISED DATE

## GR FIELD METHODS AND PROCEDURES

### Site Safety Plan

Field work performed by Gettler-Ryan Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on these plans contents prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

### Stockpile Sampling

Stockpile samples consist of four individual sample liners collected from each 100 cubic yards (yd<sup>3</sup>) of stockpiled soil material. Four arbitrary points on the stockpiled material are chosen, and discrete soil sample is collected at each of these points. Each discrete stockpile sample is collected by removing the upper 3 to 6 inches of soil, and then driving the stainless steel or brass tube into the stockpiled material with a wooden mallet or hand driven soil sampling device. The sample tubes are then covered on both ends with teflon sheeting or aluminum foil, capped, labeled, placed in the cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Stockpiled soils are covered with plastic sheeting after completion of sampling.



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION  
 951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651  
 PHONE (510) 676-5575 ANDREAS GODFREY FAX (510) 676-5263  
 (510) 676-5248 ALVIN KAN

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Chevron #9-8139  
16304 San Leandro Foothill Blvd  
San Leandro

California Coordinates Source \_\_\_\_\_ ft. Accuracy ± \_\_\_\_\_ ft.  
 CCN \_\_\_\_\_ ft. CCE \_\_\_\_\_ ft.  
 APN \_\_\_\_\_

CLIENT  
 Name Chevron Products Company  
 Address P.O. Box 6004 Phone (925) 812-4136  
 City San Ramon, CA Zip 94583

APPLICANT  
 Name Getler-Ryan Inc.  
 Address 3164 Gold Camp Dr #240 Phone (916) 631-1317  
 City Rancho Cordova, CA Zip 95620

FOR OFFICE USE

PERMIT NUMBER 98WR 398  
 WELL NUMBER \_\_\_\_\_  
 APN \_\_\_\_\_

PERMIT CONDITIONS

Circled Permit Requirements Apply

- A. GENERAL**
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
  2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
  3. Permit is void if project not begun within 90 days of approval date.

- B. WATER SUPPLY WELLS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

- D. GEOTECHNICAL**
- Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, cement grout shall be used in place of compacted casing.

- E. CATHODIC**
- Fill hole above anode zone with concrete placed by tremie

- F. WELL DESTRUCTION**
- See attached. - As per our conversation 9/15/98

**G. SPECIAL CONDITIONS**

APPROVED Andreas Godfrey DATE 9/15/98

**TYPE OF PROJECT**

Well Construction	<input type="checkbox"/>	Geotechnical Investigation	<input type="checkbox"/>
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input checked="" type="checkbox"/>

**PROPOSED WATER SUPPLY WELL USE**

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other _____	<input type="checkbox"/>

**DRILLING METHOD:**

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input checked="" type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>		

DRILLER'S LICENSE NO. C57-522125

**WELL PROJECTS**

Drill Hole Diameter	<u>8"</u> in.	Maximum Depth	<u>30'</u> ft.
Casing Diameter	<u>2"</u> in.	Number	<u>2</u>
Surface Seal Depth	_____ ft.		

OK'd AK 9/17/98

**GEOTECHNICAL PROJECTS**

Number of Borings	<u>3</u>	Maximum Depth	<u>30'</u> ft.
Hole Diameter	<u>8"</u> in.		

ESTIMATED STARTING DATE <10/1/98  
 ESTIMATED COMPLETION DATE 2/10/99

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Stephen Carter DATE 9/15/98  
Getler-Ryan Inc.



# Sequoia Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8  
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063 (650) 364-9600  
Walnut Creek, CA 94598 (925) 988-9600  
Sacramento, CA 95834 (916) 921-9600  
Petaluma, CA 94954 (707) 792-1865

FAX (650) 364-9233  
FAX (925) 988-9673  
FAX (916) 921-0100  
FAX (707) 792-0342

SEP 23 1998

Gettler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Barbara Sieminski

Client Project ID: Chevron #9-8139, San Leandro  
Sample Matrix: Soil  
Analysis Method: EPA 5030/8015-Mod./8020  
First Sample #: 809-1753

Sampled: Sep 22, 1998  
Received: Sep 22, 1998  
Reported: Sep 23, 1998

GETTLER-RYAN  
GENERAL CONTRACTORS

## TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit mg/Kg	Sample I.D. 809-1753 SP-1
Purgeable Hydrocarbons	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.0054
Total Xylenes	0.0050	0.026
MTBE	0.050	N.D.

Chromatogram Pattern: ---

### Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Analyzed:	9/22/98
Instrument Identification:	HP-4
Surrogate Recovery, %: (QC Limits = 40-140%)	85

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.  
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley  
Project Manager







# Sequoia Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8  
1455 McDowell Blvd. North, Ste. D

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Gettler-Ryan - Dublin  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
Attention: Barbara Sieminski

Client Project ID: Chevron #9-8139, San Leandro  
Matrix: Solid

QC Sample Group: 809-1753

Reported: Sep 23, 1998

## QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb

MS/MSD Batch#:	8091604	8091604	8091604	8091604
Date Prepared:	9/22/98	9/22/98	9/22/98	9/22/98
Date Analyzed:	9/22/98	9/22/98	9/22/98	9/22/98
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	0.80 mg/kg	0.80 mg/kg	0.80 mg/kg	2.4 mg/kg
Matrix Spike % Recovery:	88	91	91	92
Matrix Spike Duplicate % Recovery:	89	93	93	92
Relative % Difference:	1.4	1.4	1.4	0.0

LCS Batch#:	4LCS092298	4LCS092298	4LCS092298	4LCS092298
Date Prepared:	9/22/98	9/22/98	9/22/98	9/22/98
Date Analyzed:	9/22/98	9/22/98	9/22/98	9/22/98
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
LCS % Recovery:	71	76	76	79

% Recovery Control Limits:	50-150	50-150	50-150	50-150
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**Please Note:**

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley  
Project Manager





**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

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(WELL LOGS)

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WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**