



3164 Gold Camp Drive  
Suite 200  
Rancho Cordova California 95670-6021  
916 638-2065  
FAX 916 638-8385

December 10, 2001

Mr. Thomas Bauhs  
Chevron Products Company  
P.O. Box 6004  
San Ramon, California 94583

DEC 12 2001

Subject: *Well Abandonment*  
Former Chevron Station No. 20-6516  
2428 Central Avenue, Alameda, California  
DG26516G.3C01


Mr. Bauhs:

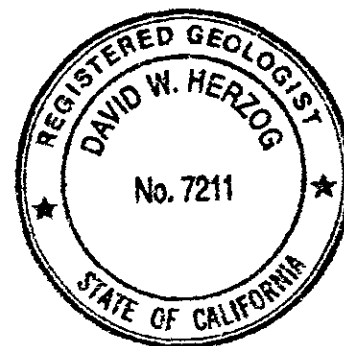
At the request of Chevron Products Company (Chevron), Delta Environmental Consultants, Inc. (Delta) network associate Gettler-Ryan Inc. (GR) abandoned six groundwater monitoring wells at the subject site. On October 10, 2001, GR observed Woodward Drilling (C57 #710079) abandon wells MW-1 through MW-6. Locations of the former wells are shown on the attached Site Plan (Figure 1). Well abandonment activities are summarized in Table 1. Copies of well abandonment permits #W01-1034 through #W01-1039 issued by Alameda County Public Works Agency (ACPWA) and City of Alameda encroachment permit #EX01-0127 are attached. A copy of the State of California Well Completion Report is attached. The work performed was proposed in Delta's report #DG26526B.3C01, *Work Plan for Well Abandonment*, dated September 26, 2001.

Six 2-inch diameter wells were backfilled to the top of casing with neat cement. A pressure of approximately 10 pounds per square inch was applied to the top of each well casing for approximately 2 minutes. Vault boxes for all wells were removed. The upper three feet of wells MW-2 and MW-5 were drilled out, and the upper three feet of well casing from wells MW-1, MW-3, MW-4, and MW-6 was removed by hand due to access restrictions for the drill rig. The upper 3 feet of each well boring was replaced with drill cuttings or native material to within 0.5 feet of ground surface. The sidewalk surrounding wells MW-4 through MW-6 was replaced, and pavement surrounding well MW-2 was patched per City of Alameda requirements. Well MW-1 was filled to ground surface with native material, and well MW-3 was finished to ground surface with concrete.

The wells have been properly abandoned as required by California Department of Water Resources Water Well Standards (Bulletins 74-81 and 74-90) and ACPWA guidelines. If you have any questions, please call us in our Sacramento office at (916) 631-1300.

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**  
Network Associate **GETTLER-RYAN INC.**

  
David W. Herzog  
Senior Geologist, R.G. 7211



Attachments: Table 1: Summary of Well Abandonment Activities  
Figure 2: Site Plan  
Well Abandonment and Encroachment Permits  
State of California Well Completion Report

Cc: Eva Chu, ACHCSA, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502  
Steve Stahl, Stahl Woodridge Construction, 2428 Central Avenue, Alameda, CA 94501  
Jim Brownell, Delta Environmental Consultants, Inc.

**TABLE 1**  
**SUMMARY OF WELL ABANDONMENT ACTIVITIES**  
Former Chevron Service Station No. 20-6516  
2428 Central Avenue  
Alameda, California

<b>Well ID</b>	<b>Date Abandoned</b>	<b>Well Diameter (inches)</b>	<b>Measured Depth (feet bgs)</b>	<b>Installed Depth (feet bgs)</b>	<b>Depth-to-Water (feet below toc)</b>
MW-1	10/10/01	2	25.0	25.0	10.7
MW-2	10/10/01	2	24.0	25.0	9.6
MW-3	10/10/01	2	24.8	25.0	10.0
MW-4	10/10/01	2	20.0	20.5	9.0
MW-5	10/10/01	2	21.0	21.0	8.6
MW-6	10/10/01	2	20.8	21.0	9.0

bgs - below ground surface  
toc - top of casing

Wells were abandoned in accordance with DWR water well standards (Bulletins 74-81 and 74-90) and Alameda County guidelines.

**EXPLANATION**

- Soil boring
- ✕ Destroyed groundwater monitoring well

**CENTRAL AVENUE**

✕ MW-4

MW-2 ✕

MW-1 ✕

✕ MW-5

✕ MW-6

EB-1

EB-2

Former Dispenser Island

Existing Hotel

Former Station Building

✕ MW-3

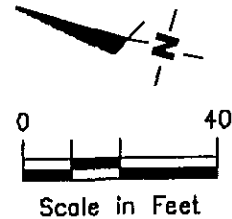
Former Underground Storage Tanks

Existing Office Building

Approximate Property Boundary

Residential

**PARK AVENUE**



**GETTLER - RYAN INC.**

8747 Sierra Ct., Suite J  
Dublin, CA 94568 (925) 551-7555

**SITE PLAN**

Former Chevron Service Station No. 20-6516  
2428 Central Avenue  
Alameda, California

FIGURE

**1**

PROJECT NUMBER  
DG26516B.3C01

REVIEWED BY

DATE  
10/01

REVISED DATE

# GETTLER-RYAN INC.

## 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 the contents of these plans 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.

### Well Abandonment

Prior to well abandonment, the total depth of the well and the depth-to-water in the well casing are measured and recorded. Groundwater monitoring wells are abandoned by filling the well casing with neat cement using a tremie pipe and pump. The tremie is removed and the cement in the well casing is pressurized to approximately 10 pounds per square inch (psi) for approximately 2 minutes. The well box is removed and the upper 3 feet of well casing is drilled out. The boring is then backfilled with neat cement or native material, depending on local regulations.

### Well Destruction

Prior to well destruction, the total depth of the well and the depth-to-water in the well casing are measured and recorded. Groundwater monitoring wells are destroyed by drilling the well boring out to remove the casing, sandpack, and seal material. The boring is advanced at least one foot past the installed depth of the well to insure that all the casing and seal material are removed. Upon completion of drilling, the boring is backfilled to ground surface with neat cement placed using a tremie pipe and pump.

### Storing and Sampling of Drill Cuttings

Drill cuttings are stockpiled on and covered with plastic sheeting or stored in drums depending on site conditions and regulatory requirements. Stockpile samples are collected and analyzed for disposal classification on the basis of one composite sample per 100 cubic yards of soil. Stockpile samples are composed of four discrete soil samples, each collected from an arbitrary location on the stockpile. The four discrete samples are then composited in the laboratory prior to analysis.

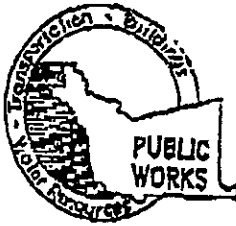
Each discrete stockpile sample is collected by removing the upper 3 to 6 inches of soil, and then driving the stainless steel or brass sample tube into the stockpiled material with a hand, mallet, or drive sampler. The sample tubes are then covered on both ends with teflon sheeting or aluminum foil, capped, labeled, and placed in a 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.

Nov-05-01 10:04am From-Gottler-Ryan Inc

+9168311317

T-253 P.002/018 F-578

SEP-19-01 WED 02:25 PM ALAMEDA COUNTY PUBLIC WORKS



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

**WATER RESOURCES SECTION**  
399 ELMHURST ST. HAYWARD CA. 94544-1395  
PHONE (510) 870-5554  
FAX (510) 782-1939

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Former Chevron  
Service Station # 20-6516  
2428 Central Avenue  
Alameda, CA

PERMIT NUMBER W01-1034  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

CLIENT  
Name CHEVRON PRODUCTS COMPANY  
Address P.O. Box 6004 Phone (925) 842-8898  
City San Ramon Zip 94583

PERMIT CONDITIONS  
Circled Permit Requirements Apply

APPLICANT  
Name GETTLER-RYAN INC  
Address 240 Gold Camp Dr. 170 Fax (916) 631-1317  
City Rancho Cordova Phone (916) 631-1300  
Zip 95670

### 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 original Department of Water Resources Well Completion Report.
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 by tremie with cement grout or sand grout/sand mixture. Upper two-three feet replaced in k or with compacted cuttings.

### E. CATHODIC

Fill hole anode zone with concrete placed by tremie.

### F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

### G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

### TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
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"/>	Impanion	<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 type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>		

DRILLER'S NAME Woodward Drilling

DRILLER'S LICENSE NO. 710079

### WELL PROJECTS

Drill Hole Diameter	<u>8</u> in.	Maximum	
Casing Diameter	<u>8</u> in.	Depth	<u>25.5</u> ft.
Surface Seal Depth	<u>4</u> ft.	Owner's Well Number	<u>MW-1</u>

### GEOTECHNICAL PROJECTS

Number of Borings	_____	Maximum	
Hole Diameter	_____ in.	Depth	_____ ft.

ESTIMATED STARTING DATE 10/10/01  
ESTIMATED COMPLETION DATE 10/10/01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 77-85.

APPLICANT'S SIGNATURE David Herzog DATE 9/25/01

PLEASE PRINT NAME DAVID HERZOG

APPROVED [Signature] DATE 11-5-01

Nov-05-01 10:04am From-Gettler-Ryan Inc +9168311917 T-253 P.003/018 F-578  
 SEP-28-00 THU 03:29 PM ALAMEDA COUNTY PWA RM239 PWA NO. 0101021939



**ALAMEDA COUNTY PUBLIC WORKS AGENCY**

**WATER RESOURCES SECTION**  
 399 ELMHURST ST. HAYWARD CA. 94544-1395  
 PHONE (510) 876-8854  
 FAX (510) 782-1839

**DRILLING PERMIT APPLICATION**

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Former Chevron  
Service Station #20-6516  
2428 Central Avenue  
Alameda, CA

PERMIT NUMBER WOL 1035  
 WELL NUMBER \_\_\_\_\_  
 APN \_\_\_\_\_

CLIENT Name Chevron Products Company  
 Address P.O. Box 6004 Phone (925) 842-8898  
 City San Ramon Zip 94583

**PERMIT CONDITIONS**  
 Circled Permit Requirements Apply

APPLICANT Name Gettler-Ryan Inc  
 Address 3400 Gold Camp Dr. 170 Fax (916) 631-1317  
 City Rancho Cordova Phone (916) 631-1300  
 Zip 95670

- 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 original Department of Water Resources-Well Completion Report.
  3. Permit is void if project not begun within 90 days of approval date.

**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"/>

- 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.

**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"/>

**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.

**DILLING METHOD:**

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

- D. GEOTECHNICAL**  
 Borehole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in situ or with compacted concrete.

DRILLER'S NAME Woodward Drilling  
 DRILLER'S LICENSE NO 710079

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

**WELL PROJECTS**

Drill Hole Diameter	<u>8</u> in.	Maximum Depth	<u>25</u> ft.
Casing Diameter	<u>2</u> in.	Owner's Well Number	<u>MW-2</u>
Surface Seal Depth	<u>4</u> ft.		

- F. WELL DESTRUCTION**  
 See attached requirements for destruction of shallow wells. Send a map of work site. A different permit application is required for wells deeper than 45 feet.
- G. SPECIAL CONDITIONS**

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

**GEOTECHNICAL PROJECTS**

Number of Borings	_____	Maximum Depth	_____ ft.
Hole Diameter	_____ in.		

ESTIMATED STARTING DATE 10/10/01  
 ESTIMATED COMPLETION DATE 10/10/01

APPROVED \_\_\_\_\_ DATE 11/5/01

Applicant agrees to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE David Herzog DATE 9/25/01  
 APPLICANT'S PRINT NAME DAVID HERZOG

Nov-05-01 10:04am From:Gettler-Ryan Inc +9188911317 T-259 P.004/018 F-576  
SEP-28-00 THU 03:29 PM ALAMEDA COUNTY PWA RM239 FAX NO. 5107821939 F. 02/02



### ALAMEDA COUNTY PUBLIC WORKS AGENCY

**WATER RESOURCES SECTION**  
399 ELMHURST ST. RAYWARD CA. 94546-1399  
PHONE (510) 678-2554  
FAX (510) 782-1339

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Farmer Chevron  
Service Station # 20-6516  
2428 Central Avenue  
Alameda, CA

PERMIT NUMBER WD1-1036  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

CLIENT  
Name Chevron Products Company  
Address P.O. Box 6004 Phone (925) 842-8898  
City San Ramon Zip 94583

#### PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT  
Name Gettler-Ryan Inc.  
Address 3140 Gold Camp Dr., 170 Phone (916) 631-1317  
City Rancho Cordova Zip 95670

- 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 original Department of Water Resources-Well Completion Report.
  3. Permit is void if project not begun within 90 days of approval date.

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"/>

- 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 30 feet for domestic and irrigation wells unless a lesser depth is specially approved.

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"/>

- 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.

DILLING METHOD:

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

- D. GEOTECHNICAL**
- Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted fillings.

DRILLER'S NAME Woodward Drilling

- E. CATHODIC**
- Fill hole inside casing with concrete placed by tremie.

DRILLER'S LICENSE NO 710079

- F. WELL DESTRUCTION**
- See attached requirements for destruction of shallow wells. Send a map of work site. A different permit application is required for wells deeper than 43 feet.

WELL PROJECTS

Drill Hole Diameter	<u>8</u> in.	Maximum Depth	<u>25.5</u> ft.
Casing Diameter	<u>2</u> in.	Owner's Well Number	<u>MW-3</u>
Surface Seal Depth	<u>4</u> ft.		

**G. SPECIAL CONDITIONS**

NOTE: One application must be submitted for each well or well development. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

GEOTECHNICAL PROJECTS

Number of Borings	_____	Maximum Depth	_____ ft.
Hole Diameter	_____ in.		

ESTIMATED STARTING DATE 10/10/01  
ESTIMATED COMPLETION DATE 10/10/01

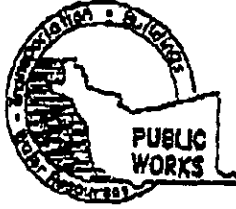
APPROVED \_\_\_\_\_ DATE 11-5-01

Applicant agrees to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE David Herzog DATE 9/25/01

APPLICANT PRINT NAME DAVID HERZOG Rev. 6-9-00

Nov-05-01 10:05am From-Gettler-Ryan Inc +9166311317 T-253 P.005/018 F-576  
SEP-28-00 THU 03:28 PM ALAMEDA COUNTY PWA RM239 FAX NO. 5107821939 F. 02/02



### ALAMEDA COUNTY PUBLIC WORKS AGENCY

**WATER RESOURCES SECTION**  
329 ELMHURST ST. HAYWARD CA. 94544-1395  
PHONE (510) 876-8334  
FAX (510) 782-1935

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Former Chevron  
Service Station # 20-656  
2428 Central Avenue  
Alameda, CA

PERMIT NUMBER W01-1037  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

CLIENT  
Name Chevron Products Company  
Address P.O. Box 6004 Phone (925) 842-8898  
City San Ramon Zip 94583

APPLICANT  
Name Gettler-Ryan Inc.  
Address 2140 Gold Camp Dr, 170 Phone (916) 631-1317  
City Rancho Cordova Zip 95670

TYPE OF PROJECT  
Well Construction  Geotechnical Investigation   
Cathodic Protection  General   
Water Supply  Contamination   
Monitoring  Well Destruction

PROPOSED WATER SUPPLY WELL USE  
New Domestic  Replacement Domestic   
Municipal  Irrigation   
Industrial  Other \_\_\_\_\_

DILLING METHOD:  
Mud Rotary  Air Rotary  Auger   
Cable  Other

DILLER'S NAME Woodward Drilling  
DILLER'S LICENSE NO 710079

WELL PROJECTS  
Drill Hole Diameter 8 in. Maximum  
Casing Diameter 2 in. Depth 21.5 ft.  
Surface Seal Depth 4 ft. Owner's Well Number MW-4

GEOTECHNICAL PROJECTS  
Number of Borings \_\_\_\_\_ Maximum  
Hole Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.

ESTIMATED STARTING DATE 10/10/01  
ESTIMATED COMPLETION DATE 10/10/01

Applicant agrees to comply with all requirements of this permit and Alameda County Ordinance No. 73-65.

APPLICANT'S SIGNATURE David Herzog DATE 9-25-01  
APPLICANT'S PRINT NAME DAVID HERZOG

Rev. 6-1-00

### 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 original Department of Water Resources-Well Completion Report.
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 trowel.
2. Minimum seal depth is 40 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 trowel.
2. Minimum seal depth for monitoring wells is the maximum depth penetrable or 20 feet.

#### D. GEOTECHNICAL

Backfill bore hole by trowel with cement grout or cement grout/sand mixture. Upper one-third feet replaced in kind or with equivalent mixture.

#### E. CATHODIC

Fill hole inside zone with concrete placed by trowel.

#### F. WELL DESTRUCTION

See attached requirements for destruction of shallow wells. Send a map of work site. A different permit application is required for wells deeper than 45 feet.

#### G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED \_\_\_\_\_

DATE 10-5-01



Nov-05-01 10:05am From:Gottler-Ryan Inc +9166911317 T-253 P.006/018 F-578  
 SEP-26-00 THU 03:29 PM ALAMEDA COUNTY PWA RM239 FAX NO. 5107821939



**ALAMEDA COUNTY PUBLIC WORKS AGENCY**

**WATER RESOURCES SECTION**  
 399 ELMHURST ST. HAYWARD CA. 94544-1393  
 PHONE (510) 678-8854  
 FAX (510) 782-1339

**DRILLING PERMIT APPLICATION**

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Former Chevron  
Service Station #20-6516  
2428 Central Avenue  
Alameda CA

PERMIT NUMBER 1101-1038  
 WELL NUMBER \_\_\_\_\_  
 APN \_\_\_\_\_

CLIENT Name Chevron Products Company  
 Address P.O. Box 6004 Phone (925) 842-8898  
 City San Ramon Zip 94583

**PERMIT CONDITIONS**  
 Circled Permit Requirements Apply

APPLICANT Name Gottler-Ryan Inc.  
 Address 3140 Gold Camp Dr. 170 Phone (916) 631-1300  
 City Rancho Cordova Zip 95670

**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 original Department of Water Resources - Well Completion Report.
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 60 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 by tremie with cement grout or cement grout and mixture. Upper two-three feet replaced in kind or with compacted concrete.

**E. CATHODIC**

Fill hole anode zone with concrete placed by tremie.

**F. WELL DESTRUCTION**

See attached requirements for destruction of shallow wells. Send a map of work site. A different permit application is required for wells deeper than 63 feet.

**G. SPECIAL CONDITIONS**

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

**TYPE OF PROJECT**

Well Construction  Geotechnical Investigation   
 Cathodic Protection  General   
 Water Supply  Contamination   
 Monitoring  Well Destruction

**PROPOSED WATER SUPPLY WELL USE**

New Domestic  Replacement Domestic   
 Municipal  Irrigation   
 Industrial  Other

**DILLING METHOD:**

Mud Rotary  Air Rotary  Auger   
 Cable  Other

DRIER'S NAME Woodward Drilling

DRIER'S LICENSE NO. 710079

**WELL PROJECTS**

Drill Hole Diameter 8 in. Minimum Depth 21.5 ft.  
 Casing Diameter 2 in. Owner's Well Number MW-5  
 Surface Seal Depth 4 ft.

**GEOTECHNICAL PROJECTS**

Number of Borings \_\_\_\_\_ Maximum Depth \_\_\_\_\_ ft.  
 Hole Diameter \_\_\_\_\_ in.

ESTIMATED STARTING DATE 10/10/01  
 ESTIMATED COMPLETION DATE 10/10/01

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

APPLICANT'S SIGNATURE David Herzog DATE 9/25/01

APPLICANT PRINT NAME DAVID HERZOG Rev. 6-3-00

APPROVED

DATE 11-5-01

Nov-05-01 10:05am From-Gottler-Ryan Inc +9166911317 T-259 P.007/018 F-578  
SEP-26-06 THU 03:29 PM ALAMEDA COUNTY PWA RM239 FAX NO. 5107821939 P. 02/02



### ALAMEDA COUNTY PUBLIC WORKS AGENCY

**WATER RESOURCES SECTION**  
399 ELMHURST ST. HAYWARD CA. 94344-3395  
PHONE (510) 576-5554  
FAX (510) 782-1939

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Former Chevron  
Service Station #20-6516  
2428 Central Avenue  
Alameda, CA

PERMIT NUMBER W01-1039  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

#### PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT  
Name Chevron Products Company  
Address P.O. Box 6004 Phone (925) 842-8898  
City San Ramon Zip 94583

#### 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 original Department of Water Resources-Well Completion Report.
- 3. Permit is void if project not begun within 90 days of approval date.

APPLICANT  
Name Gottler-Ryan Inc.  
Address 3140 Gold Camp Dr., 170 Fax (916) 631-1317  
City Rancho Cordova Zip 95670

#### B. WATER SUPPLY WELLS

- 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
- 2. Minimum seal depth is 30 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

TYPE OF PROJECT  
Well Construction  Geotechnical Investigation   
Cathodic Protection  General   
Water Supply  Contamination   
Monitoring  Well Destruction

#### C. GROUNDWATER MONITORING WELLS INCLUDING TIEZOMETERS

- 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.

PROPOSED WATER SUPPLY WELL USE  
New Domestic  Replacement Domestic   
Municipal  Irrigation   
Industrial  Other

#### D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper one-three feet replaced in kind or with compacted fillings.

DRILLING METHOD:  
Mud Rotary  Air Rotary  Auger   
Cable  Other

#### E. CATHODIC

Fill hole inside zone with concrete placed by tremie.

DRILLER'S NAME Woodward Drilling

#### F. WELL DESTRUCTION

See attached requirements for destruction of shallow wells. Send a map of work site. A different permit application is required for wells deeper than 43 feet.

DRILLER'S LICENSE NO 710079

#### G. SPECIAL CONDITIONS

NOTE: One application must be submitted for rock well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

WELL PROJECTS  
Drill Hole Diameter 8 in. Maximum  
Casing Diameter 8 in. Depth 21.5 ft  
Surface Seal Depth 9 ft Owner's Well Number MW-6

GEOTECHNICAL PROJECTS  
Number of Borings \_\_\_\_\_ Maximum  
hole Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.

ESTIMATED STARTING DATE 10/10/01  
ESTIMATED COMPLETION DATE 10/10/01

APPROVED [Signature] DATE 11-5-01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 75-68.

APPLICANT'S SIGNATURE David Herzog DATE 9/25/01  
APPLICANT'S PRINT NAME DAVID HERZOG

950 West Mall Square, #110  
Alameda Point  
Alameda, CA 94501

# CITY OF ALAMEDA

345778.23

(510) 749-5840

Public Works Department

Fax (510) 749-5867

Printed: 10-11-2001

## Right-of-Way Permit

Permit #

**EX01-0127**

### Applicant

GETTLER RYAN, INC  
STAHL WOOLDRIDGE CONSTRUCTION CX  
6747 SIERRA CT SUITE J  
DUBLIN, CA 94568

925-551-7555

### Contractor Information

GETTLER RYAN, INC  
6747 SIERRA CT SUITE J  
DUBLIN, CA 94568

### Owner Information

2428 CENTRAL AVE  
ALAMEDA CA

94501

### Project Information

RTOFWAY - Right-of-Way Permit - **APPROVED**

Sub-Type:

Applied: 09/26/2001

Finalized:

Issued: 10/11/2001

Expires: 10/11/2002

Valuation: \$0.00

Job Address: 2428 CENTRAL AVE

070 018600100

Suite / Unit:

Work Description: DESTROYING 4 GROUND WATER MONITORING WELLS

Parcel Number:

Total Fees:	\$150.50
Total Payments:	\$150.50
<b>BALANCE DUE</b>	<b>\$0.00</b>

Payments Made: 10/11/2001 09:38 AM

Total Payment: **\$71.50**

## RECEIPT

Payee: GETTLER RYAN INC

Receipt #: R01-5090

### Current Payment Made to the Following Items:

Account Code	Description	Amount
4225-37190 (6321)	Eng.-Right of Way Permit	71.50

### Payments Made for this Receipt:

Type	Method	Description	Amount
Payment	Check	57771	71.50

### Account Summary for Fees and Payments:

Item#	Description	Account Code	Tot Fee	Paid	Prev. Pmts	Cur. Pmts
250	Permit Filing Fees	4520-37450 (1050)	38.00	38.00	38.00	.00
833	Eng.-Right of Way Permit	4225-37190 (6321)	112.50	112.50	41.00	71.50

**\*\* See application for additional requirements \*\***

**510-749-5840**

## INSPECTIONS

NOTE: All construction within the public right of way must have barricades with flashers for night time protection.

This is to certify that the above work has been completed to my satisfaction and approval.

Date

Inspector

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**