



GETTLER-RYAN INC.

00000369

January 8, 2002

JAN 11 2002

~~SECRET~~

Mr. Bob Cochran
Chevron Products Company
P. O. Box 6004
San Ramon, California 94583

Subject: Well Abandonment at Chevron/RMC Lonestar Facility CPS #20-6142, ~~2005 22nd Avenue, Oakland, California~~

94606

Mr. Cochran:

At the request of Chevron Products Company (Chevron), Gettler-Ryan Inc. (GR) abandoned seven groundwater monitoring wells and two recovery wells at the subject site. On November 3, 2001, GR observed Gregg Drilling Inc. (Gregg) (C57 #485165) abandon wells MW-1, MW-5, and MW-7 through MW-11. On December 15, 2001, GR observed Gregg abandoned recovery wells R-1 and R-2. GR attempted to locate groundwater monitoring wells MW-12, MW-13 and MW-14 using a metal detector but was not successful. The wells were probably destroyed by operations of RMC Lonestar's cement batch plant, and attempting to locate any remaining, buried well material is not feasible. 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 W01-897 through W01-908 issued by Alameda County Public Works Agency (ACPWA) are attached. Copies of the State of California well completion reports are attached.

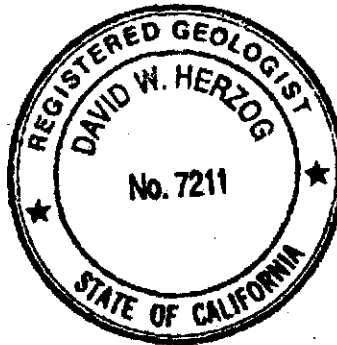
Six 4-inch, one 2-inch, and one 12-inch diameter wells were backfilled to the top of casing with neat cement. A pressure of approximately ten pounds per square inch was applied to the top of each casing for a period of two minutes. Each vault box was left in place and filled to surface with concrete. Recovery well R-1, which was filled with debris from the cement batch plant operations, was destroyed by drilling out all well material. Piping, wiring, and associated downhole pump hardware were removed from the well prior to being drill out. The downhole pump was removed during the drilling out process. Well R-1 was then backfilled to surface by grouting through the augers with neat cement. Pump, piping, wiring, and associated hardware were removed from recovery well R-2 prior to grouting. 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.

Sincerely,
Gettler-Ryan Inc.

Geoffrey D. Risse
Project Geologist

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



- Attachments:
- Table 1: Summary of Well Abandonment Activities
 - Figure 1: Site Plan
 - Copies of Well Abandonment Permits
 - State of California Well Completion Reports

- CC:
- Mr. James Yoo, Alameda County Public Works Agency, 399 Elmhurst St., Hayward, CA 94544
 - Mr. Barney Chan, Alameda County Health Care Services Agency-Environmental Health Department, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502
 - Mr. Scott Peerine, RMC Pacific Materials Inc., 333 23rd Avenue, Oakland, CA 94606
 - Mr. Roger Hoffmore, Secor International Inc., 3017 Kilgore Rd., Suite 100, Rancho Cordova, CA 95670

346338.03-1

Table 1
Summary of Well Abandonment
Chevron/RMC Lonestar Facility CPS#20-6142
333 23rd Avenue
Oakland, California

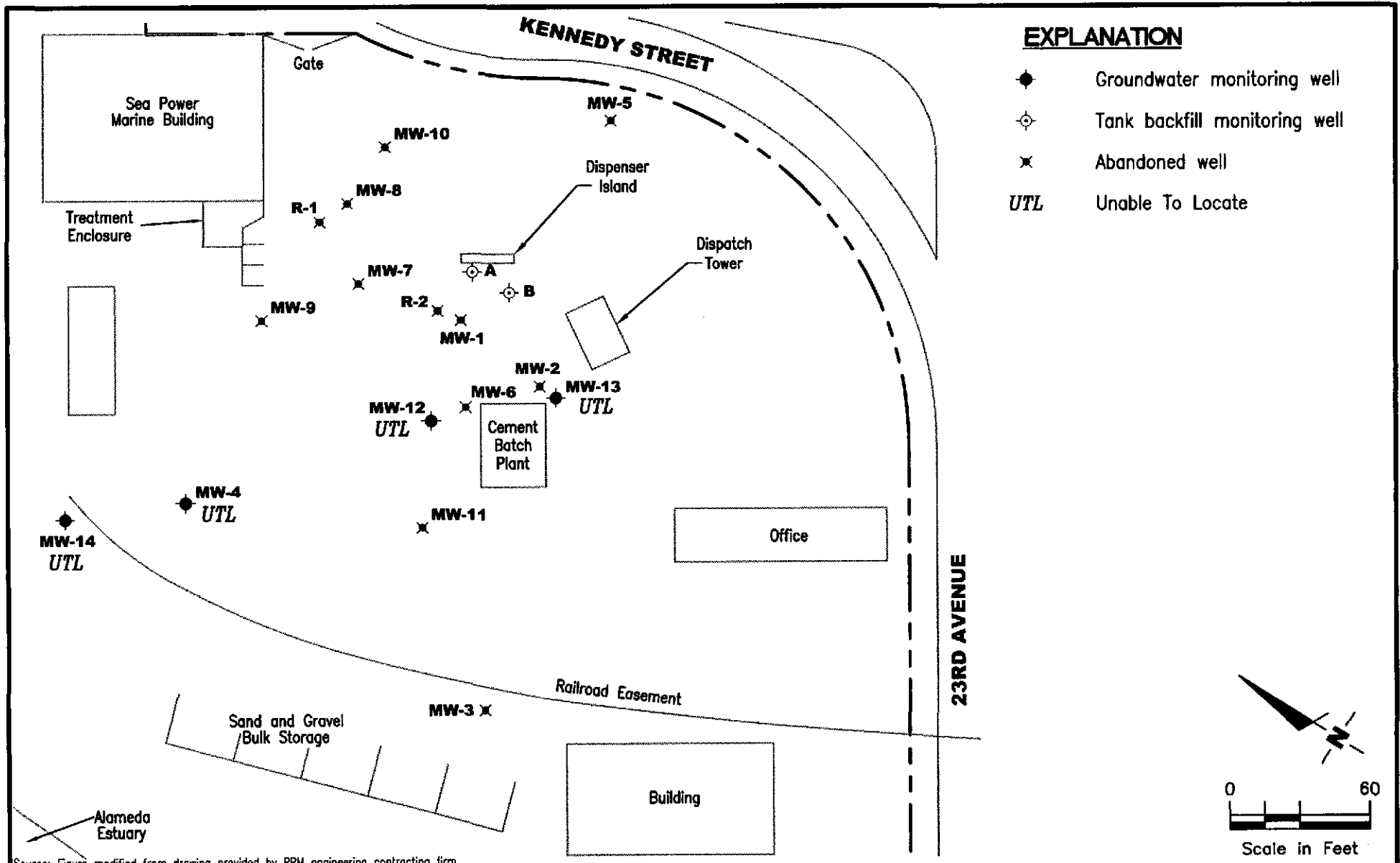
Well ID	Date Abandoned	Well Diameter (inches)	Measured Depth (ft bgs)	Installed Depth (ft bgs)	Depth-to-Water (ft btoc)
MW-1	11/3/2001	4	19.00	20.00	9.45
MW-5	11/3/2001	4	19.73	20.00	8.59
MW-7	11/3/2001	4	18.85	20.00	7.34
MW-8	11/3/2001	4	19.15	20.00	7.64
MW-9	11/3/2001	4	18.75	20.00	8.58
MW-10	11/3/2001	4	16.15	18.50	8.65
MW-11	11/3/2001	2	20.00	20.00	8.15
MW-12		Unable to locate-buried under layers of concrete			
MW-13		Unable to locate-buried under layers of concrete			
MW-14		Unable to locate-buried under layers of concrete			
R-1	12/15/2001	12		Drilled out to 27.50 feet	
R-2	12/15/2001	12	26.00	26.50	6.40

Explanations:

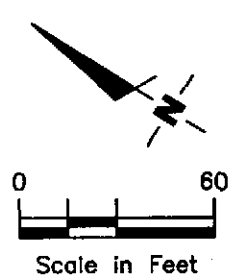
ft bgs = feet below ground surface

ft btoc = feet below top of casing

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



- EXPLANATION**
- ◆ Groundwater monitoring well
 - ⊕ Tank backfill monitoring well
 - × Abandoned well
 - UTL Unable To Locate



Source: Figure modified from drawing provided by RRM engineering contracting firm.

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

SITE PLAN
 Chevron/RMC Lonestar Facility CPS #20-6142
 333 23rd Avenue
 Oakland, California

FIGURE
1

PROJECT NUMBER 346338	REVIEWED BY	DATE 12/01	REVISED DATE
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ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA, 94544-3595
PHONE (510) 470-6654
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 333 23rd St
Oakland, California

PERMIT NUMBER W01-8977
WELL NUMBER _____
APN _____

CLIENT Name Chevron Product Co.
Address P.O. Box 6009 Phone (925) 842-9655
City SAN RAMON, CA Zip 94583

PERMIT CONDITIONS
Circled Permit Requirements Apply

APPLICANT Name Gettler - RYAN INC
Address 3140 Gold Camp Rd Phone (916) 631-1300
City Rancho Cordova, CA 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 cement grout/sand 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 43 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

by Pressure Grouting

PROPOSED WATER SUPPLY WELL USE

- New Domestic Replacement Domestic
- Municipal Irrigation
- Industrial Other

DILLING METHOD:

- Mud Rotary Air Rotary Auger
- Cable Other

DRILLER'S NAME Gregg Drilling

DRILLER'S LICENSE NO C-57 485165

WELL PROJECTS

Drill Hole Diameter _____ in. Maximum _____"
Casing Diameter 4" in. Depth 19' ft.
Surface Seal Depth _____ ft. Owner's Well Number MW-1

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 10/25/01

ESTIMATED COMPLETION DATE 11-5-01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-61.

APPLICANT'S SIGNATURE Geoffrey D. Risse DATE 9/26/01

APPLICANT'S PRINT NAME Geoffrey D. Risse
of Gettler-Ryan
Agent for Chevron

APPROVED _____ DATE 9-25-01

Pressure Grouting -



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5324
FAX (510) 782-1339

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 333 23rd St
Oakland, CA

PERMIT NUMBER HW-898
WELL NUMBER _____
APN _____

CLIENT Name Chevron Product Co
Address P.O. Box 6004 Phone (925) 945-4655
City San Ramon, CA Zip 94583

APPLICANT Name Gettler-Ryan Inc
Address 3140 Gold Camp Dr Fax (916) 631-1317
City Rancho Cordova Phone (916) 631-1300 Zip 95670

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

- New Domestic
- Municipal
- Industrial
- Replacement Domestic
- Irrigation
- Other

By pressure grouting

DILLING METHOD:

- Mud Rotary
- Cable
- Air Rotary
- Other
- Auger

DRILLER'S NAME Gregg Drilling

DRILLER'S LICENSE NO C-57 48 5165

WELL PROJECTS

Drill Hole Diameter _____ in. Maximum Depth 19.80 ft.
Casing Diameter 4 1/2 in. Owner's Well Number MW-5
Surface Seal Depth _____ ft.

GEO TECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 10/25/01

ESTIMATED COMPLETION DATE 11-5-01

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

APPLICANT'S SIGNATURE Geoffrey J. Risse DATE 9/21/01

APPLICANT'S PRINT NAME Geoffrey J. Risse
of Gettler-Ryan
Agent for Chevron

Rev. 6-3-00

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 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 penetrable or 20 feet.

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 cavings.

E. CATHODIC

Fill hole inside 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 45 feet.

G. SPECIAL CONDITIONS

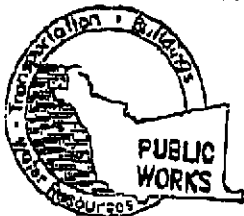
NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

Pressure Grouting

APPROVED

DATE

9-25-01



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 470-6554
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT: 333 23rd St
Oakland, CA

PERMIT NUMBER WV1-899
WELL NUMBER _____
APN _____

CLIENT Name Chevron Products Co.
Address P.O. Box 6004 Phone (925) 947-9655
City San Ramon, CA Zip 94583

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT Name Gettler-Ryan Inc
Address 3140 Gold Camp Dr Ste 120 Fax (916) 631-1317
City Rancho Cordova, CA Phone (916) 631-1300 Zip 95620

- 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		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 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:

Mud 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 Gregg Dilline
DRILLER'S LICENSE NO (50) 485165

- 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

WELL PROJECTS

Drill Hole Diameter	<u>4 1/2</u> in.	Maximum Depth	<u>18.80</u> ft.
Casing Diameter	<u>4 1/2</u> in.	Owner's Well Number	<u>MW-1</u>
Surface Seal Depth	_____ ft.		

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 10/25/01
ESTIMATED COMPLETION DATE 11-5-01

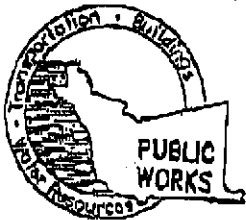
NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

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

APPLICANT'S SIGNATURE Geoffrey D. Risse DATE 9/2/01

APPROVED [Signature] DATE 9-25-01

AGENT'S PRINT NAME Geoffrey D. Risse
of Gettler-Ryan
(Agent for Chevron)



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1993
PHONE (510) 670-6854
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 333 23rd St
Oakland, California

PERMIT NUMBER WD1-900
WELL NUMBER _____
APN _____

CLIENT Name Chevron Product Co.
Address P.O. Box 6004 Phone (925) 842-9655
City San Ramon, CA Zip 94583

APPLICANT Name Gettler-Ryan Inc
Address 3140 Gold Camp Ste 170 Fax (415) 631-1317
City Rancho Cordova Phone (916) 631-1300 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 _____
by Pressure Grouting

DILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Caregg Drilling

DRILLER'S LICENSE NO 6-57 485165

WELL PROJECTS
Drill Hole Diameter _____ in. Maximum Depth 15.70 ft
Casing Diameter 4 in. Owner's Well Number MW-8
Surface Seal Depth _____ ft

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

ESTIMATED STARTING DATE 10/25/01
ESTIMATED COMPLETION DATE 11-5-01

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

APPLICANT'S SIGNATURE Geoffrey D. Risse DATE 9/2/01

APPLICANT'S PRINT NAME Geoffrey D. Risse Rev. 6-3-00
of Gettler-Ryan
(Amount of ...)

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL

1. A permit application should be submitted to us to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 90 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 cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted exchange.

E. CATHODIC

Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION

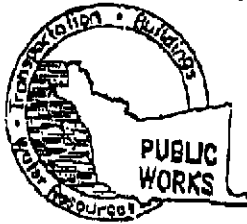
See attached requirements for destruction of shallow wells. Send a map of work site. A differential permit application is required for wells deeper than 43 feet.

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.

Pressure Grouting

APPROVED [Signature] DATE 9-25-01



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-8854
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 333 23rd St
Oakland, California

PERMIT NUMBER W-1-901
WELL NUMBER _____
APN _____

CLIENT Name Cherrow Product Co.
Address P.O. Box 6004 Phone (916) 742-942
City San Ramon, CA Zip 94583

APPLICANT Name Gettler-Ryan
Address 3140 Gold Lane Ste 170 Phone (916) 631-1317
City Rancho Cordova, CA 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:

Mod Rotary Air Rotary Auger
Cable Other

DILLER'S NAME Gregg Drilling

DILLER'S LICENSE NO C-57 485165

WELL PROJECTS

Drill Hole Diameter _____ in. Maximum Depth 19.70 ft.
Casing Diameter 4 1/2 in. Owner's Well Number MW-9
Surface Seal Depth _____ ft.

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 10/25/01
ESTIMATED COMPLETION DATE 11-9-01

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

APPLICANT'S SIGNATURE Geoffrey V. Reese DATE 9/25/01

APPLICANT'S PRINT NAME Geoffrey V. Reese
of Gettler-Ryan
(Agent for Client)

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 tremie.
2. Minimum seal depth is 90 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/sand mixture. Upper two-three feet replaced in kind or with compacted exchange.

E. CATHODIC

Fill hole snags zone with concrete placed by tremie.

F. WELL DESTRUCTION

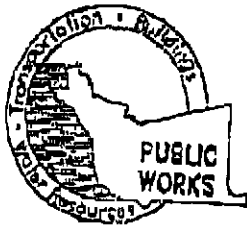
See attached requirements for destruction of shallow wells. Send a map of work site. A different permit application is required for wells deeper than 45 feet.

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 [Signature] DATE 9-25-01

Pressure Grouting



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1399
PHONE (510) 670-8854
FAX (510) 792-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 333 23rd St
Oakland, California

PERMIT NUMBER W01-902
WELL NUMBER _____
APN _____

CLIENT
Name Chevron Product Co.
Address P.O. Box 6004 Phone 925-842-9655
City SAN RAMON Zip 94583

APPLICANT
Name Gettler-Ryan Inc
Address 3170 Gold Camp Rd #117 Fax (916) 631-1317
City Rancho Cordova, CA Phone (916) 631-1500 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 Gregg Drilling

DILLER'S LICENSE NO C-57 48 5165

ALL PROJECTS

Drill Hole Diameter _____ in. Maximum
Casing Diameter 4 1/2 in. Depth 18250 ft.
Surface Seal Depth _____ ft. Owner's Well Number MW-10

OTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 10/25/01
ESTIMATED COMPLETION DATE 11-9-01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 75-69

APPLICANT'S SIGNATURE Geoffrey L. Risse DATE 9/21/01

APPLICANT'S PRINT NAME Geoffrey L. Risse Rev. 6-03-00
of Gettler-Ryan

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 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 cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC

Fill hole annular 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 43 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 [Signature] DATE 9-25-01

pressure grouting

[Signature]



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1399
PHONE (510) 876-2554
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 333 23rd St
Oakland, California

PERMIT NUMBER W-903
WELL NUMBER _____
APN _____

CLIENT Name Chevron Product Co.
Address P.O. Box 6000 Phone (925) 840-9659
City San Ramon, CA Zip 94583

APPLICANT Name Gettler-Ryan Inc
Address 3170 Gold (Amplis) Phone (916) 631-1300
City Rancho Cordova, CA Zip 95670

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 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.

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/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC

Fill hole annular 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 4 1/2 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 | <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"/> |

By pressure grouting

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"/> |

DILLING METHOD:

- | | | | | | |
|------------|-------------------------------------|------------|--------------------------|-------|--------------------------|
| Mud Rotary | <input checked="" type="checkbox"/> | Air Rotary | <input type="checkbox"/> | Auger | <input type="checkbox"/> |
| Cable | <input type="checkbox"/> | Ditch | <input type="checkbox"/> | | |

DRILLER'S NAME Gregg Drilling

DRILLER'S LICENSE NO C-57 485165

WELL PROJECTS

Drill Hole Diameter _____ in. Maximum Depth 20.50 ft. Owner's Well Number MW-11
Casing Diameter 2 1/2 in.
Surface Seal Depth _____ ft.

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 10/25/01
ESTIMATED COMPLETION DATE 11-9-01

Applicant agrees to comply with all requirements of this permit and Alameda County Ordinance No. 73-58.

APPLICANT'S SIGNATURE Geoffrey B. Rise DATE 9/21/01

APPLICANT'S PRINT NAME Geoffrey B. Rise
of Gettler-Ryan
(Agent for client)

Rev. 6-3-00

APPROVED _____ DATE _____

pressure grouting

9-25-01



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 676-8554
FAX (510) 792-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 333 23rd St
Oakland, California

PERMIT NUMBER WOT-904
WELL NUMBER _____
APN _____

CLIENT Name Chevron Product Co.
Address P.O. Box 6004 Phone (925) 842-9655
City SAN RAMON, CA Zip 94583

APPLICANT Name Gettler-Ryan
Address 2140 Gold Top Dr Phone (916) 631-1311
City Rabichord Gardens 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 Gregg Drilling
DILLER'S LICENSE NO L-57485165

WELL PROJECTS
Drill Hole Diameter _____ in. Maximum
Casing Diameter 2 1/2 in. Depth 20.0 ft.
Surface Seal Depth _____ ft. Owner's Well Number MW-12

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.
ESTIMATED STARTING DATE 10/25/01
ESTIMATED COMPLETION DATE 11-9-01

Applicant agrees to comply with all requirements of this permit and Alameda County Ordinance No. 75-88

APPLICANT'S SIGNATURE Geoffrey R. Risse DATE 9/25/01

APPLICANT'S PRINT NAME Geoffrey R. Risse
of Gettler-Ryan Rev. 6-3-00

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 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

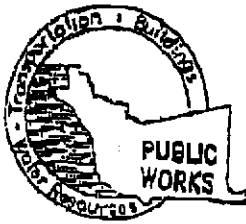
Backfill bore hole by tremie with cement grout or cement grout and mixture. Upper two-three feet replaced in kind or with compacted cuttings.
- E. CATHODIC

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 43 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 [Signature] DATE 9-25-01



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 870-5354
FAX (510)792-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 333 23rd St
Oakland, California

FOR OFFICE USE

PERMIT NUMBER W-905
WELL NUMBER
APN

CLIENT Name Chevron Product Co.
Address P.O. Box 6004 Phone (925) 842-9655
City San Ramon, CA Zip 94583

APPLICANT Name Gettler-Ryan Inc
Address 3140 Gold Gate Dr #1200 Phone (916) 631-1317
City Rancho Cordova, CA Zip 95670

TYPE OF PROJECT
Well Construction
Cathodic Protection
Water Supply Monitoring
Geotechnical Investigation
General
Contamination
Well Destruction
Proposed Water Supply Well Use
New Domestic
Municipal
Industrial
Replacement Domestic
Irrigation
Other
by Pressure Grouting

DRILLING METHOD:
Mud Rotary
Cable
Air Rotary
Other
Auger
DRILLER'S NAME Gregg Drilling
DRILLER'S LICENSE NO L-57 485165

WELL PROJECTS
Drill Hole Diameter
Casing Diameter
Surface Seal Depth
Minimum Depth
Owner's Well Number MW-13

GEO TECHNICAL PROJECTS
Number of Borings
Casing Diameter
Maximum Depth
ESTIMATED STARTING DATE 10/25/01
ESTIMATED COMPLETION DATE 11-9-01

Applicant agrees to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE [Signature] DATE 9/24/01
APPLICANT'S PRINT NAME Gettler, R. Risse OF Gettler-Ryan

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 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 cement grout/sand mixture. Upper two-three feet replaced in kind or with compressed air.

E. CATHODIC

Fill hole shade zone with concrete placed by tremie.

F. WELL DESTRUCTION

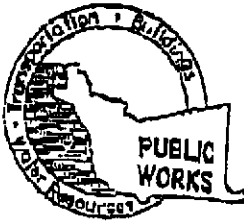
See attached requirements for destruction of shallow wells. Send a map of work site. A different permit application is required for wells deeper than 65 feet.

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.

Pressure Grouting

APPROVED [Signature] DATE 9-25-01



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 870-6554
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 332 23rd St
Oakland, California

PERMIT NUMBER W01-906
WELL NUMBER _____
APN _____

CLIENT Name Chevron Product Co.
Address P.O. Box 6004 Phone (925) 872-9655
City SAN RAMON, CA Zip 94583

APPLICANT Name Gettler-Ryan Inc
Address 3140 Gold Lamp Rd Phone (916) 631-1700
City RANDOLPH, CA Zip 95670

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 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/sand mixture. Upper two-three feet replaced in kind or with compressed concrete.

- E. CATHODIC**
- Fill hole annule 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

by Pressure Grouting

DRILLING METHOD:

Mud Rotary Air Rotary Auger

Cable Other

DRAWER'S NAME Gregg Drilling

DRAWER'S LICENSE NO C-57 485169

WELL PROJECTS

Drill Hole Diameter _____ in. Maximum Depth 30 ft.

Casing Diameter 2" in. Owner's Well Number MW-14

Surface Seal Depth _____ ft.

GEOTECHNICAL PROJECTS

Number of Borings _____ Maximum Depth _____ ft.

Log Diameter _____ in.

ESTIMATED STARTING DATE 10/25/01

ESTIMATED COMPLETION DATE 11-9-01

Applicant agrees to comply with all requirements of this permit and Alameda County Ordinance No. 75-68.

APPLICANT'S SIGNATURE Geoffrey N. Risse DATE 9/2/01

APPLICANT'S PRINT NAME Geoffrey N. Risse Rev. 6-1-00
Gettler-Ryan

Pressure Grouting

APPROVED [Signature] DATE 9-25-01



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA, 94544-1399
PHONE (510) 670-8824
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 333 23rd St
Oakland, California

FOR OFFICE USE

PERMIT NUMBER W01-9077
WELL NUMBER _____
APN _____

CLIENT Name Chevron Product Co.
Address P.O. Box 6004 Phone (925) 895-9655
City San Ramon, CA Zip 94583

APPLICANT Name Geotier-Ryan Inc
Address 3140 Gold Camp Rd Phone (916) 631-1317
City Rancho Cordova Zip 95670

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 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.

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 penetrable or 20 feet.

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 earthen.

E. CATHODIC

Fill hole inside 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 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
- Cathodic Protection
- Water Supply
- Monitoring
- Geotechnical Investigation
- General
- Contamination
- Well Destruction

PROPOSED WATER SUPPLY WELL USE

- New Domestic
- Municipal
- Industrial
- Replacement Domestic
- Irrigation
- Other

By Pressure Grouting

DILLING METHOD:

- Mud Rotary
- Cable
- Air Rotary
- Other
- Auger

DILLER'S NAME Gregg Drilling
DILLER'S LICENSE NO C-57 485165

WELL PROJECTS

Drill Hole Diameter _____ in. Maximum Depth _____ ft.
Casing Diameter _____ in. Owner's Well Number R-1
Surface Seal Depth _____ ft.

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 10/25/01
ESTIMATED COMPLETION DATE 11-9-01

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

APPLICANT'S SIGNATURE [Signature] DATE 9/26/01

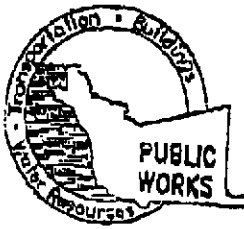
PLEASE PRINT NAME Geoffrey O. Reese
of Geotier-Ryan

APPROVED

[Signature]

DATE

9-25-01



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1399
PHONE (510) 470-5554
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 333 23rd St
Oakland, California

PERMIT NUMBER W01-908
WELL NUMBER _____
APN _____

CLIENT Name Chevron Product Co.
Address P.O. Box 6004 Phone (925) 992-9655
City San Ramon, CA Zip 94583

PERMIT CONDITIONS
Circled Permit Requirements Apply

APPLICANT Name Gettler-Ryan Inc
Address 3140 Gold Camp Ln Fax (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 Geotechnical Investigation
 Cathodic Protection General
 Water Supply Contamination
 Monitoring Well Destruction

PROPOSED WATER SUPPLY WELL USE

New Domestic Replacement Domestic
 Municipal Irrigation
 Industrial Other

by pressure grouting

- 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.

DRILLING METHOD:

Mud Rotary Air Rotary Auger
 Cable Other

- 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.

DRILLER'S NAME Gregg Drilling
DRILLER'S LICENSE NO C-57 485165

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

WELL PROJECTS

Drill Hole Diameter _____ in. Maximum Depth 26.5 ft
 Casing Diameter _____ in. Owner's Well Number R-2
 Surface Seal Depth _____ ft

- 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 45 feet.
- G. SPECIAL CONDITIONS**

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 10/25/01
 ESTIMATED COMPLETION DATE 11-9-01

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 [Signature] DATE 9-25-01

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

APPLICANT'S SIGNATURE [Signature] DATE 9/25/01
 APPLICANT PRINT NAME Geoffrey D. Risse
of Gettler-Ryan

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)**

REMOVED

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)

REMOVED

CONFIDENTIAL

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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)**

REMOVED