

RO2595

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JAN 6 2006



GETTLER-RYAN INC.

ENVIRONMENTAL HEALTH SERVICES

January 4, 2006

Mr. Jerry Wickham
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

**Subject: Well Abandonment at Schwieckert Property,
515 South Livermore Avenue, Livermore, California
Fuel Leak Case No. RO0002595**

Mr. Wickham:

At the request of Ms. Marie Schwieckert, Gettler-Ryan Inc. (GR) abandoned six piezometers at the subject site. On December 16, 2005, GR observed Woodward Drilling, Inc. (C-57 710079) abandon piezometers PZ-1 through PZ-6. Locations of the former wells are shown on the attached Site Plan (Figure 1). Well abandonment activities are summarized in Table 1. A copy of well abandonment permit No. 25215 issued by Zone 7 Water Agency (Zone 7) is attached. Copies of the State of California well completion reports are attached.

The six 3/4-inch diameter Schedule 40 piezometers (PZ-1 through PZ-6) were backfilled to two feet below surface grade with neat cement. A pressure of approximately twenty-five pounds per square inch was applied to the top of each casing for five minutes. Following pressure grouting, the well boxes, surface seal, and upper two feet of casing of each piezometer were removed and native material and landscaping restored. The wells have been properly abandoned as required by California Department of Water Resources Water Well Standards (Bulletins 74-81 and 74-90) and Zone 7 guidelines.

As stated in the Alameda County Health Care Services Agency letter dated December 6, 2005, a remedial action completion certificate (Case Closure) will be issued, now that the piezometers have been properly abandoned. 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

Robert A. Lauritzen
Senior Geologist, P.G. 7504



Attachments: Table 1: Summary of Well Abandonment Activities
Figure 1: Site Plan
Copy of Well Abandonment Permit
State of California Well Completion Reports

CC: Ms. Marie Schwieckert
Mr. Wyman Hong, Zone 7 Water Agency
Mr. David Boyers, State Water Resources Control Board

948209.04

Table 1
Summary of Well Abandonment
 Schwieckert Property
 515 South Livermore Avenue
 Livermore, California

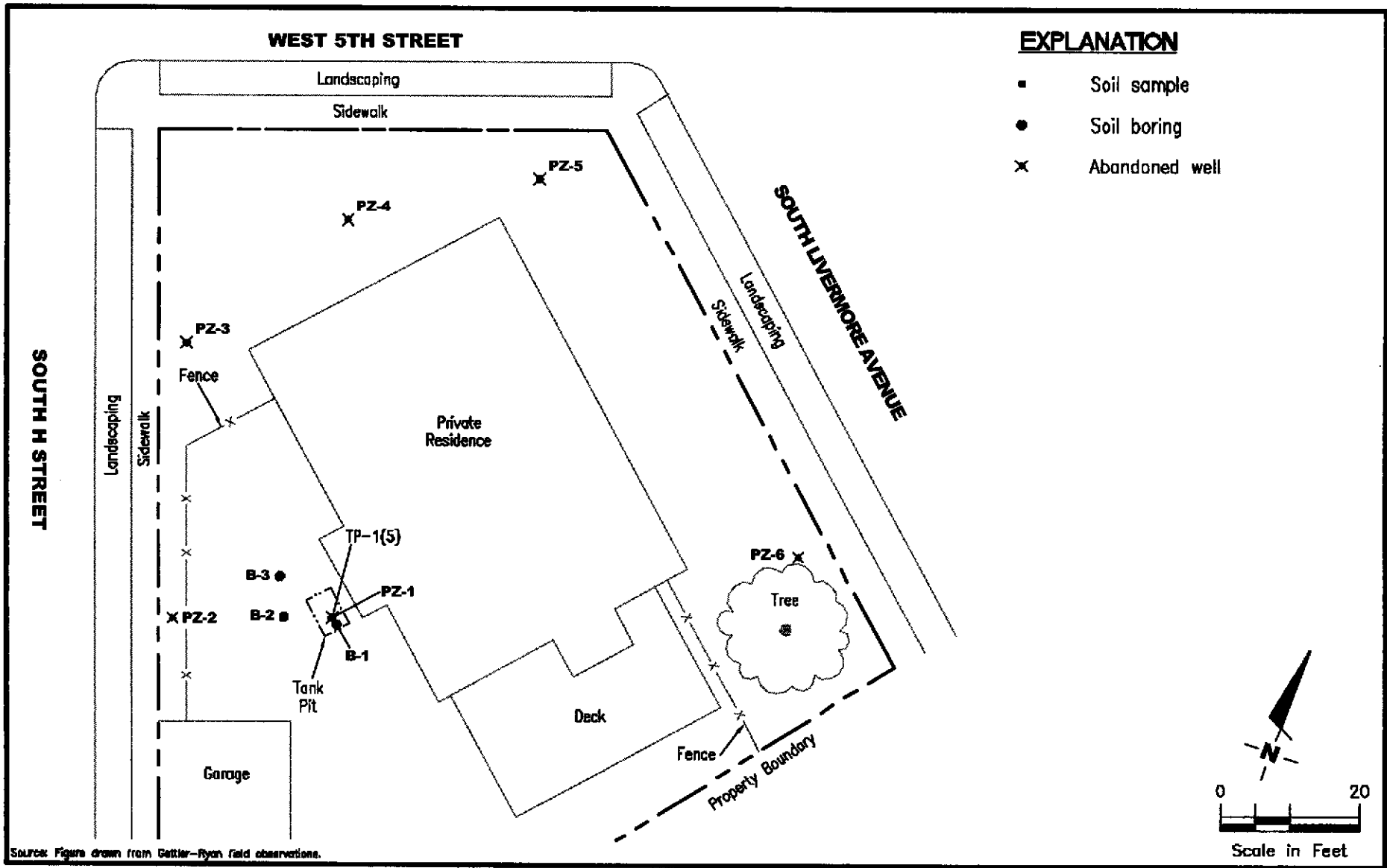
Well ID	Date Abandoned	Well Diameter (inches)	Measured Depth (ft bgs)	Installed Depth (ft bgs)	Depth-to-Water (ft btoc)
PZ-1	12/16/2005	3/4	39.72	40.00	32.71
PZ-2	12/16/2005	3/4	34.97	35.00	31.11
PZ-3	12/16/2005	3/4	34.52	35.00	31.85
PZ-4	12/16/2005	3/4	34.45	35.00	33.10
PZ-5	12/16/2005	3/4	34.81	35.00	dry
PZ-6	12/16/2005	3/4	34.71	35.00	32.00

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 Zone 7 Water Agency guidelines.



GETTLER · RYAN INC.
 8747 Sierra Court, Suite J
 Dublin, CA 94568 (925) 551-7555

SITE PLAN
 Marie Schweickert Property
 515 South Livermore Avenue
 Livermore, California

FIGURE
2

PROJECT NUMBER
 948209

REVIEWED BY

DATE
 December 23, 2005

REVISED DATE

FILE NAME P:\Enviro\Marie Schweickert Property\ADS-MARIE SCHWEICKERT.DWG | Layout Tab: Site Plan



ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5725

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 515 South Livermore Avenue, Livermore

PERMIT NUMBER 25215

WELL NUMBER 3S/2E-9N8 & 9N12 to 9N16 (P21 - P26)

APN 097-0052-001-00

California Coordinates Source _____ ft. Accuracy= _____ ft.
CCN _____ ft. CCE _____ ft.
APN _____

PERMIT CONDITIONS

(Circled Permit Requirements Apply)

CLIENT Name Marie Schwieckert
Address 3834 Tanager Way Phone (925) 447-2522
City Livermore Zip 94551

GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 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.

APPLICANT Name Gettler-Ryan Inc.
Geoff Risse Fax (916) 631-1317
Address 3140 Gold Camp Dr. Suite 900 Phone (916) 631-1300
City Rancho Cordova Zip 95610

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.
3. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
4. A sample port is required on the discharge pipe near the wellhead.

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, tremied cement grout shall be used in place of compacted cuttings.

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

F. WELL DESTRUCTION. See attached. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the completion of permitted work the well installation report including all soil and water laboratory analysis results.

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"/>

by Pressure Grouting

PROPOSED WELL USE

New Domestic <input type="checkbox"/>	Irrigation <input type="checkbox"/>
Municipal <input type="checkbox"/>	Remediation <input type="checkbox"/>
Industrial <input type="checkbox"/>	Groundwater Monitoring <input type="checkbox"/>
Dewatering <input type="checkbox"/>	Other <input type="checkbox"/>

DRILLING METHOD:

Mud Rotary <input type="checkbox"/>	Air Rotary <input type="checkbox"/>	Hollow Stem Auger <input type="checkbox"/>
Cable Tool <input type="checkbox"/>	Direct Push <input type="checkbox"/>	Other <input type="checkbox"/>

DRILLING COMPANY Woodward Drilling
DRILLER'S LICENSE NO. 110079

WELL PROJECTS

Drill Hole Diameter _____ in.	Maximum _____
Casing Diameter <u>3 1/4</u> in.	Depth _____ ft.
Surface Seal Depth _____ ft.	Number <u>6 piezo</u>

SOIL BORINGS

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

ESTIMATED STARTING DATE 12/16/05
ESTIMATED COMPLETION DATE 1/2/06

Approved Wyman Hong Date 12/14/05
Wyman Hong

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

APPLICANT'S SIGNATURE Geoff Risse Date 12/14/05
Gettler-Ryan Inc

ATTACH SITE PLAN OR SKETCH

December 14, 2005

**Zone 7
Water Resources Engineering
Groundwater Protection Ordinance**

**Marie Schwieckert
515 South Livermore Avenue
Livermore
Wells 3S/2E-9N8 & 3S/2E-9N12 to 9N16 (PZ-1 to PZ-6)
Permit 25215**

Destruction Requirements:

1. Clean out all bridged or poorly compacted materials to the bottom of the well.
2. Sound the well as deeply as practicable and record for your report.
3. Pressure grout the casing to two feet below the finished grade or original ground, whichever is the lower elevation.
4. Remove the casing, seal, and gravel pack to two feet below the finished grade or original ground, whichever is the lower elevation (optional).
5. After the seal has set, backfill the remaining hole with compacted material(optional).

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

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WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

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WELL COMPLETION REPORT
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