THRIFTY OIL CO.

November 11, 2009

O.100617

Mr. Paresh C. Khatri
Alameda County Health Care Agency
Hazardous Materials Specialist
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Local #RO0000348
RWQCB #01-1476

RE: **Former Thrifty Oil Co. Station #054**
TOSCO Station #2602486
2504 Castro Valley Boulevard
Castro Valley, CA
MonitoringWell Destruction Report

Dear Mr. Khatri:

Enclosed is a *Monitoring Well Destruction Report* dated November 10, 2009, prepared by GeoHydrologic Consultants, Inc. for Former Thrifty Oil Co. (Thrifty) Station #054 located at 2504 Castro Valley Boulevard, Castro Valley, California.

Should you have any questions regarding this report, please contact Larry Higinbotham at 562-921-3581, Ext. 325, or Chris Panaitescu at 562-921-3581, Ext. 390.

Respectfully submitted,

Larry Higinbotham, R.G.
Project Manager

REGISTERED GEOLOGIST
LARRY HIGINBOTHAM
No. 5197
Exp. 04/30/11
STATE OF CALIFORNIA

Chris Panaitescu
General Manager
Environmental Affairs

cc: File

MONITORING WELL DESTRUCTION REPORT

Thrifty Oil Co.
Station Number 054
(BP #02486)
2504 Castro Valley Blvd.
Castro Valley, California 94546
ACEH Case No. RO0000348
Global ID T0600101363

November 10, 2009
GHC 1596

Prepared for
Thrifty Oil Co.
13116 Imperial Highway
Santa Fe Springs, California 90670

Prepared by
GeoHydrologic Consultants, Inc.
5912 Bolsa Avenue, Suite 210
Huntington Beach, California 92649

CONTENTS

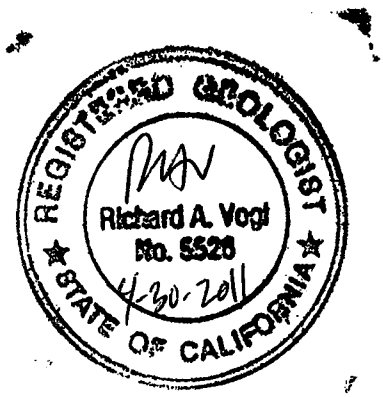
CERTIFICATION

All hydrogeologic and geologic information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by a GeoHydrologic Consultants, Inc. California Registered Geologist.

November 10, 2009

Richard A. Vogl
Principal Hydrogeologist
California Registered Geologist (5526)
California Certified Hydrogeologist (47)
California Certified Engineering Geologist (2036)

Date



1.0 INTRODUCTION

GeoHydrologic Consultants, Inc. (GHC) has prepared this report for Thrifty Oil Co. (Thrifty) to document the groundwater monitoring well abandonment activities conducted at Thrifty Station #054 located at 2504 Castro Valley Boulevard, Castro Valley, California (the "Site", **Figure 1**). Test America Drilling, with oversight from GHC, completed the destruction of the nine on-site groundwater monitoring wells (PW-1, PW-2, RE-1, RE-2, RE-3, RE-4, RE-5, RE-6, and RE-7) and the four off-site groundwater monitoring wells (RS-8, RS-9, RS-10, and RS-11) on October 20, 21, and 22, of 2009 (**Figure 1**). The well abandonment was performed in accordance with the Alameda County Environmental Health (ACEH) "No Further Action" letter to Thrifty dated August 13, 2009, granting case closure for the Site and requiring the monitoring wells to be properly destroyed, per the California Water Code (**Appendix A**).

2.0 MONITORING WELL DESTRUCTION ACTIVITIES

On October 20, 2009 the off-site groundwater monitoring wells RS-9, RS-10, and RS-11 were destroyed. These wells were located in the City of Castro Valley right-of-way in the sidewalk. Permission was obtained for the destruction of these wells from the City prior to commencing these activities. The total depth of each well was measured with a tape and recorded. The wells were then over drilled to remove the well casing to the total depth with an appropriate sized hollow stem auger for the well casing diameter using a limited access drill rig and then tremmied with a portland cement (97%) and hydrogel bentonite grout (3%) slurry. Upon completion of grouting, the well boxes were then removed, and the top two feet of each boring was then backfilled with concrete to existing grade.

The following day on October 21, 2009 the fourth remaining off-site groundwater monitoring well (RS-8) located on private property was also destroyed in addition to five of the on-site groundwater monitoring wells (PW-1, PW-2, RE-2, RE-6, and RE-7). Then on October 22, 2009 the four remaining on-site groundwater monitoring wells (RE-1, RE-3, RE-4, and RE-5)) were destroyed. All ten of these wells were destroyed by employing the same method, described below. The total depth of each well was measured with a tape and recorded. The wells were then filled from the bottom up via tremmie pipe with portland cement (97%) and hydrogel bentonite grout (3%) slurry. Upon completion of grouting, approximately 25 psi of pressure was applied to the well for approximately 5 minutes. The top five feet of each well was then removed by overdrilling, the well boxes were then removed, and the resulting borehole was filled to approximately 2 feet below grade with more portland cement. The top two feet of each boring was then backfilled with concrete to existing grade.

The destruction of these wells was completed in accordance with the requirements of the applicable County and State standards. A water resources well destruction permit was obtained for the destruction of the groundwater monitoring wells from the Alameda County Public Works Agency (Permit numbers W2009-0881 through W2009-0893,

Appendix B). An Alameda County inspector, Vicky Hamlin, was onsite to observe the well abandonment activities. Additionally, encroachment permission was issued by the City of Castro Valley for the abandonment of the three wells located in the sidewalk (**Appendix B**), however a permit was not required since these wells were already installed under permit and a cash bond was previously required for each well installed in the City right-of-way. **Table 1** contains the well destruction data, including the volume of materials used to destroy each well. Before and after abandonment photographs are contained within **Appendix C**.

The soil cuttings and other materials generated from these activities were stored temporarily on-site in Department of Transportation-approved 55 gallon drums, pending removal and proper disposal by a Thrifty contractor.

TABLES

Table 1

Groundwater Monitoring Well Destruction Data
Thrifty Oil Co. Station Number 054
2504 Castro Valley Blvd.
Castro Valley, Ca.

Well No.	Date of Destruction	Method of Destruction	Casing Dia. (inches)	Depth of Well/ Destruction Method Detail (feet)	Comments
RS-9	10/20/09	Over drilled to total depth, tremmied with a grout mixture and capped with concrete	2	15' DTB Over-Drill to Total Depth With an 8" Auger & remove casing Grouted with cement (97%) and bentonite grout (3%) slurry. Capped with bentonite chips and quickset concrete.	2 bags portland cement grout + 0.33 bag hydrogel, 3.5 bags of bentonite chips, 1 bag of quickset concrete
RS-10	10/20/09	Over drilled to total depth, tremmied with a grout mixture and capped with concrete	2	24' 6" DTB Over-Drill to Total Depth With an 8" Auger & remove casing Grouted with cement (97%) and bentonite grout (3%) slurry. Capped with bentonite chips and concrete and quickset.	4 bags portland cement + 0.5 bag hydrogel, 1 bag bentonite chips, 1 bag concrete, 1 bag quickset

Well No.	Date of Destruction	Method of Destruction	Casing Dia. (inches)	Depth of Well/ Destruction Method Detail (feet)	Comments
RS-11	10/20/09	Over drilled to total depth, tremmied with a grout mixture and capped with concrete	2	25' 2" DTB Over-Drill to Total Depth With an 8" Auger & remove casing Grouted with cement (97%) and bentonite grout (3%) slurry. Capped with bentonite chips and 1 cu. ft. quickset concrete.	3 bags portland cement grout + 0.33 bag hydrogel, 0.5 bag of bentonite chips, 1 bag of quickset (1 cu. ft)
RS-8	10/21/09	Over drilled to total depth, tremmied with a grout mixture and capped with concrete	2	25' 3" DTB Over-Drill to Total Depth With an 8" Auger & remove casing Grouted with cement (97%) and bentonite grout (3%) slurry. Capped with bentonite chips and quickset.	1.5 bags portland cement + 0.15 bag hydrogel, 0.5 bag bentonite chips, 2 bag quickset

Well No.	Date of Destruction	Method of Destruction	Casing Dia. (inches)	Depth of Well/ Destruction Method Detail (feet)	Comments
PW-1	10/21/09	Tremmied with a grout mixture, applied 25 psi pressure, overdrilled top 5 feet of casing, topped of with more grout, and capped with concrete	4	14' 3" DTB Over-drilled top five feet with a 10" Auger Grouted with cement (97%) and bentonite grout (3%) slurry. Capped with bentonite chips and concrete and quickset.	3 bags portland cement + 0.33 bag hydrogel, 1 bag bentonite chips, 2 bag concrete, 2 bag of quickset
PW-2	10/21/09	Tremmied with a grout mixture, applied 25 psi pressure, overdrilled top 5 feet of casing, topped of with more grout, and capped with concrete	4	14' 7" DTB Over-drilled top five feet with a 10" Auger Grouted with cement (97%) and bentonite grout (3%) slurry. Capped with bentonite chips and concrete and quickset.	1.5 bags portland cement grout + 0.15 bag hydrogel, 2 bags of bentonite chips, 2 bag of concrete 2 bag of quickset

Well No.	Date of Destruction	Method of Destruction	Casing Dia. (inches)	Depth of Well/ Destruction Method Detail (feet)	Comments
RE-2	10/21/09	Tremmied with a grout mixture, applied 25 psi pressure, overdrilled top 5 feet of casing, topped of with more grout, and capped with concrete	4	17' 0" DTB Over-drilled top five feet with a 10" Auger Grouted with cement (97%) and bentonite grout (3%) slurry. Capped with bentonite chips and concrete and quickset.	3 bags portland cement grout + 0.33 bag hydrogel, 0.5 bags of bentonite chips, 1 bag of concrete, 1 bag quickset
RE-6	10/21/09	Tremmied with a grout mixture, applied 25 psi pressure, overdrilled top 5 feet of casing, topped of with more grout, and capped with concrete	4	13' 10" DTB Over-drilled top five feet with a 10" Auger Grouted with cement (97%) and bentonite grout (3%) slurry. Capped with bentonite chips and concrete and quickset.	1.5 bags portland cement grout + 0.15 bag hydrogel, 1 bag of bentonite chips, 2 bags of quickset, 1 bag of concrete

Well No.	Date of Destruction	Method of Destruction	Casing Dia. (inches)	Depth of Well/ Destruction Method Detail (feet)	Comments
RE-7	10/21/09	Tremmied with a grout mixture, applied 25 psi pressure, overdrilled top 5 feet of casing, topped of with more grout, and capped with concrete	4	13' 4" DTB Over-drilled top five feet with a 10" Auger Grouted with cement (97%) and bentonite grout (3%) slurry. Capped with concrete and quickset.	3 bags portland cement grout + 0.33 bag hydrogel, 2 bags of quickset, 2 bags of concrete
RE-1	10/22/09	Tremmied with a grout mixture, applied 25 psi pressure, overdrilled top 5 feet of casing, topped of with more grout, and capped with concrete	4	19' 9" DTB Over-drilled top five feet with a 10" Auger Grouted with cement (97%) and bentonite grout (3%) slurry. Capped with concrete and quickset.	4 bags portland cement grout + 0.33 bag hydrogel, 1 bag of quickset, 1 bag concrete

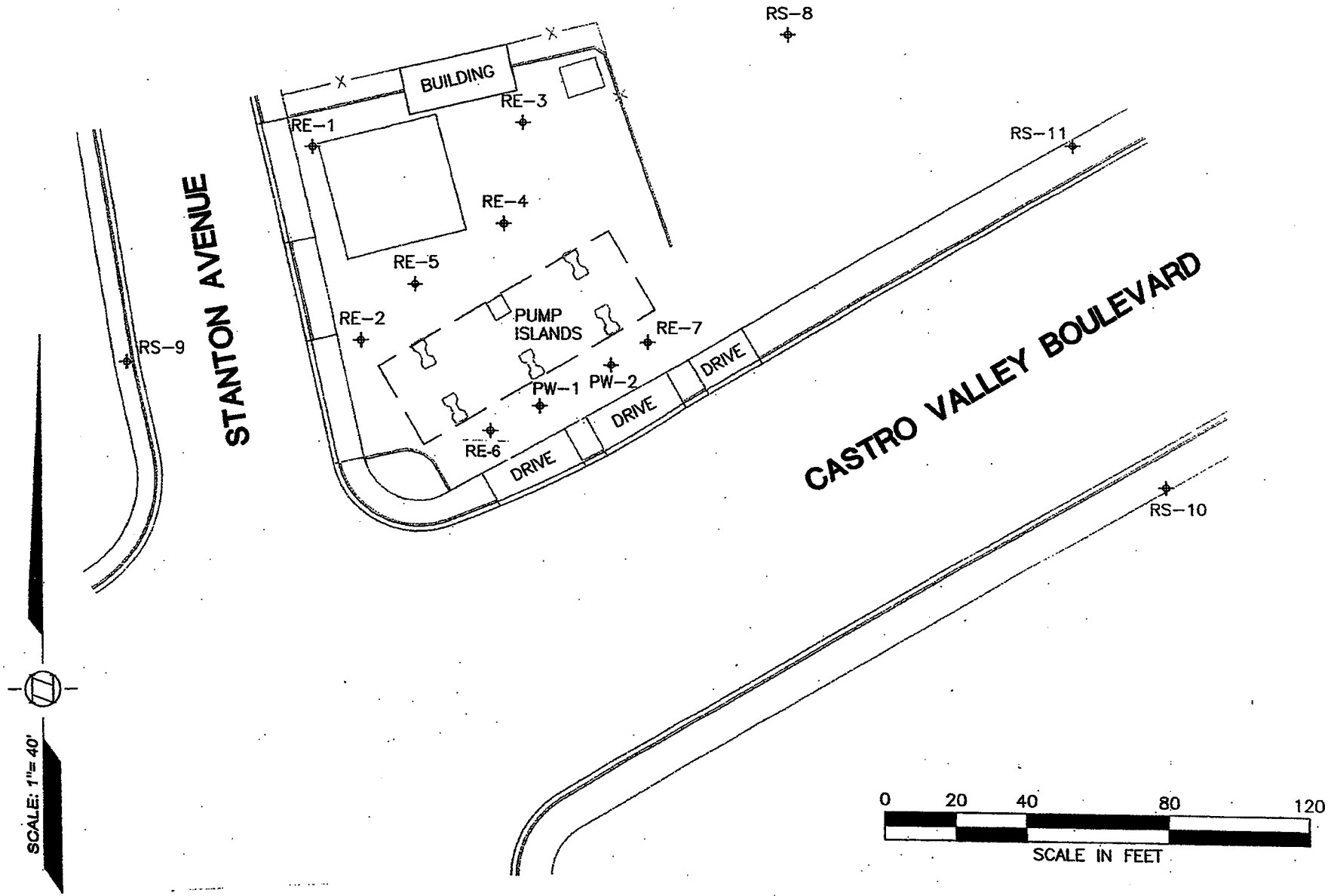
Well No.	Date of Destruction	Method of Destruction	Casing Dia. (inches)	Depth of Well/ Destruction Method Detail (feet)	Comments
RE-3	10/22/09	Tremmied with a grout mixture, applied 25 psi pressure, overdrilled top 5 feet of casing, topped of with more grout, and capped with concrete	4	17' 4" DTB Over-drilled top five feet with a 10" Auger Grouted with cement (97%) and bentonite grout (3%) slurry. Capped with concrete and quickset.	3 bags portland cement grout + 0.33 bag hydrogel, 1 bag of concrete, 1 bag of quickset
RE-4	10/22/09	Tremmied with a grout mixture, applied 25 psi pressure, overdrilled top 5 feet of casing, topped of with more grout, and capped with concrete	4	14' 4" DTB Over-drilled top five feet with a 10" Auger Grouted with cement (97%) and bentonite grout (3%) slurry. Capped with concrete and quickset.	2 bags portland cement grout + 0.33 bag hydrogel, 1 bag of concrete, 1 bag of quickset

Well No.	Date of Destruction	Method of Destruction	Casing Dia. (inches)	Depth of Well/ Destruction Method Detail (feet)	Comments
RE-5	10/22/09	Tremmied with a grout mixture, applied 25 psi pressure, overdrilled top 5 feet of casing, topped of with more grout, and capped with concrete	4	18' 0" DTB Over-drilled top five feet with a 10" Auger Grouted with cement (97%) and bentonite grout (3%) slurry. Capped with bentonite chips, concrete, and quickset.	3 bags portland cement grout + 0.33 bag hydrogel, 1 bag bentonite chips, 1 bag of concrete, 1 bag of quickset

b – bags of material

bentonite grout/hydrogel	= 50 lbs./bag
portland cement	= 94 lbs./bag
bentonite chips	= 50 lbs./bag
concrete	= 60 lbs./bag

FIGURES



Thrifty Oil Co.
13116 Imperial Highway
Santa Fe Springs, CA 90670

SITE PLAN

THRIFTY STATION #054
2504 Castro Valley Boulevard
Castro Valley, CA

Figure
1

APPENDICES

APPENDIX A

ACEH No Further Action Letter Dated August 13, 2009

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

August 13, 2009

Chris Panaitescu
Thrifty Oil Company
13116 Imperial Highway
Santa Fe Springs, CA 90670

Paul Supple
BP West Coast Products, LLC
P.O. Box 1257
San Ramon, CA 94583

Terry Grayson
Conoco Phillips
76 Broadway Street
Sacramento, CA 95818

Subject: Monitoring Well Destruction for Case Closure of Fuel Leak Case No. RO0000348 and GeoTracker Global ID T0600101363, Thrifty Oil #54/BP #02486, 2504 Castro Valley Boulevard, Castro Valley, CA 94546

Dear Messrs. Panaitescu, Supple, and Grayson:

Alameda County Environmental Health (ACEH) and California Regional Water Quality Control Board staff have reviewed the fuel leak case file and case closure summary for the above-referenced site and concur that no further action related to the underground storage tank fuel release is required at this time. Prior to issuance of a remedial action completion certificate, the monitoring wells installed at the site are to be properly destroyed, per California Water Code.

ACEH is requesting that you contact Alameda County Public Works Agency at (510) 567-6791, obtain the necessary permits, destroy the wells, and electronically upload the monitoring well destruction report to ACEH's FTP server and the State Water Resources Control Board's GeoTracker website within ninety (90) days from the date of this letter **(November 11, 2009)**. Electronic reporting is described in detail below. Upon our receipt of the report of well destruction, (and confirmation of investigation derived waste disposal) this office will issue you the remedial action completion certificate.

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

NOTIFICATION OF FIELDWORK ACTIVITIES

Please schedule and complete the fieldwork activities by the date specified above and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork.

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Paresh Khatri), according to the following schedule:

- **November 11, 2009** – Monitoring Well Decommissioning Report

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml.

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 777-2478 or send me an electronic mail message at paresh.khatri@acgov.org.

Sincerely,

Digitally signed by Paresh Khatri
DN: cn=Paresh Khatri, o=Alameda County Environmental Health, ou=Local Oversight Program, email=Paresh.Khatri@acgov.org, c=US
Date: 2009.08.13 16:36:15 -07'00'

Paresh C. Khatri
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Paresh Khatri, ACEH (*Sent via E-mail to: paresh.khatri@acgov.org*)
GeoTracker
File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**ISSUE DATE:** July 5, 2005
	REVISION DATE: March 27, 2009
	PREVIOUS REVISIONS: December 16, 2005, October 31, 2005
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

1) Obtain User Name and Password:
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to dehloptoxic@acgov.org
         Or
      ii) Send a fax on company letterhead to (510) 337-9335, to the attention of My Le Huynh.
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for.**

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape and Firefox browsers will not open the FTP site.
   b) Click on File, then on Login As.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO# use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX B

Copy of Well Abandonment Permits

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 09/23/2009 By jamesy

Permit Numbers: W2009-0881 to W2009-0893
Permits Valid from 10/09/2009 to 10/30/2009

Application Id: 1253664352700
Site Location: 2504 Castro Valley Blvd
Project Start Date: 10/05/2009
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org
Extension Start Date: 10/09/2009
Extension Count: 1

City of Project Site: Castro Valley
Completion Date: 10/08/2009
Extension End Date: 10/30/2009
Extended By: vickyh1

Applicant: GeoHydrologic Consultants, Inc - Richard Vogl
5912 Bolsa Ave, Suite 210, Huntington Beach, CA 92649
Phone: 714-898-5727

Property Owner: Thrifty Oil Co.
13116 Imperial Hwy, Santa Fe Springs, CA 90670
Phone: 562-921-3581 x325

Client: ** same as Property Owner **

Total Due: $5161.00
Receipt Number: WR2009-0352 **Total Amount Paid:** $5161.00
Payer Name : Earth Management Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Destruction-Monitoring - 13 Wells
Driller: Test America Drilling - Lic #: 819548 - Method: auger

Work Total: $5161.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2009-0881	09/23/2009	01/03/2010	PW-1	10.00 in.	4.00 in.	5.00 ft	15.00 ft	No Records	No Records	No Records
W2009-0882	09/23/2009	01/03/2010	PW-2	10.00 in.	4.00 in.	5.00 ft	15.00 ft	No Records	No Records	No Records
W2009-0883	09/23/2009	01/03/2010	RE-1	10.00 in.	4.00 in.	5.00 ft	20.00 ft	3S/2W4Q1	88052	Logs Only
W2009-0884	09/23/2009	01/03/2010	RE-2	10.00 in.	4.00 in.	5.00 ft	20.00 ft	3S/2W4Q2	88052	Logs Only
W2009-0885	09/23/2009	01/03/2010	RE-3	10.00 in.	4.00 in.	5.00 ft	20.00 ft	3S/2W4Q3	88052	Logs Only
W2009-0886	09/23/2009	01/03/2010	RE-4	10.00 in.	4.00 in.	5.00 ft	20.00 ft	3S/2W4Q4	88052	Logs Only
W2009-0887	09/23/2009	01/03/2010	RE-5	10.00 in.	4.00 in.	5.00 ft	20.00 ft	3S/2W4Q5	88052	Logs Only
W2009-0888	09/23/2009	01/03/2010	RE-6	10.00 in.	4.00 in.	5.00 ft	20.00 ft	3S/2W4Q6	88052	Logs Only
W2009-0889	09/23/2009	01/03/2010	RE-7	10.00 in.	4.00 in.	5.00 ft	20.00 ft	3S/2W4Q7	88052	Logs Only
W2009-0890	09/23/2009	01/03/2010	RS-10	10.00 in.	4.00 in.	5.00 ft	25.00 ft	3S/2W4Q10	91171	Logs Only
W2009-0891	09/23/2009	01/03/2010	RS-11	10.00 in.	4.00 in.	5.00 ft	25.00 ft	3S/2W4Q12	95084	Logs Only
W2009-0892	09/23/2009	01/03/2010	RS-8	10.00 in.	4.00 in.	5.00 ft	25.00 ft	3S/2W4Q8	91171	Logs Only
W2009-0893	09/23/2009	01/03/2010	RS-9	10.00 in.	4.00 in.	5.00 ft	25.00 ft	3S/2W4Q9	91171	Logs Only

Specific Work Permit Conditions

Alameda County Public Works Agency - Water Resources Well Permit

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

5. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.

6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

8. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

10. Destroy wells RS-9, RS-10 and RS-11
by removing the Christy box or similar structure. Destroy well by overdrilling & Tremie Grouting with Cement. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.

11. All other wells may be destroyed by
removing the Christy box or similar structure. Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

Richard Vogl

From: Rogers, John [johnr@acpwa.org]
Sent: Wednesday, September 23, 2009 2:50 PM
To: ravgeohydrologic@verizon.net
Cc: Yoo, James
Subject: RE: Encroachment Permit to Abandon Three Monitoring Wells in Sidewalk, 2504 Castro Valley Boulevard, Castro Valley, CA

Richard-

We need to do two things: 1) Return the operating bonds to the owner upon confirmation of the abandonment; 2) Inspect and accept any rework or repair within the roadway right-of-way. Assuming that the rework/repair to the sidewalk is minimal (i.e. can be inspected and accepted by the well inspector), we can manage without creating an additional permit and involving the roadway inspector – you just need to send me confirmation that the well permit is closed (or ask the County well inspector to send me that confirmation). On the other hand, if the repair/rework is more extensive, you would need to obtain an encroachment permit so that we could get the roadway inspector to the site.

JohnR

From: Richard Vogl [mailto:ravgeohydrologic@verizon.net]
Sent: Wednesday, September 23, 2009 2:24 PM
To: Rogers, John
Subject: Encroachment Permit to Abandon Three Monitoring Wells in Sidewalk, 2504 Castro Valley Boulevard, Castro Valley, CA

John:

I just wanted to make sure you received my earlier email regarding the above subject sent on September 10 and find out what more you need from us to complete the permit process. We have sent in the check for the well abandonment permits for the County (see receipt below) and expect the permit soon, so we would like to schedule the work. Please let us know what more you need from us.

Sincerely,

Richard A. Vogl, PG, CHG, CEG
GeoHydrologic Consultants, Inc.
5912 Bolsa Avenue, Suite 210

Huntington Beach, CA 92649
Phone (714) 898-5727
Fax (714) 898-5701
rvogl@geohydrologic.com

Thank you for your Permit Application.
Your Application Confirmation Id is: 1253664352700
Submit Date is: Tue Sep 22 17:05:52 PDT 2009
Project Site City/Location: Castro Valley / 2504 Castro Valley Blvd
Project Start Date: 10/05/2009 Completion Date: 10/08/2009
Requested Inspection Date: 10/05/2009

NOTE: This only confirms receipt of the application, this is NOT an approved Permit.
REMINDER: We must receive a site map from you or your permit will not be approved.
If you have already submitted your site map and required documents, please disregard the reminder.
You will be notified separately once the receipt of your map is logged.

If any required documents are missing, you will be contacted by the Water Resources Unit.

To view your application status, go to the Tracking page.
***If above 'Tracking' link does not work for you, copy and paste this url directly to browser:*
https://www.acgov.org/pwapermitsecomm_app/TrackAppServlet?email=rvogl@geohydrologic.com&appid=1253664352700

If you need further assistance regarding your permit, please visit our website at: http://www.acgov.org/pwa/wells/ or contact us at wells@acpwa.org, and include your application id number.

Thank you,
Public Works Agency - Water Resources

Your Application:

Project Information

City of Project Site: Castro Valley
Site Location: 2504 Castro Valley Blvd
Start Date: 10/05/2009
Completion Date: 10/08/2009

Applicant Information

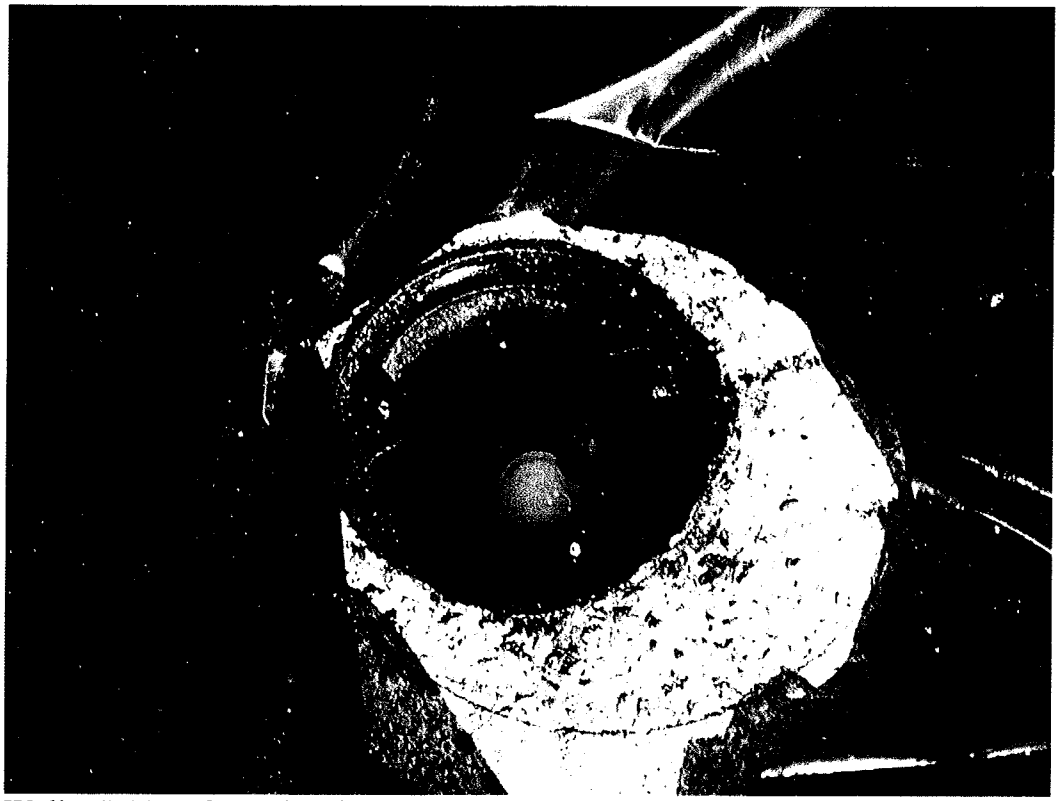
Business / Name: GeoHydrologic Consultants, Inc - Richard Vogl
Phone Number: 714-898-5727 x
Address: 5912 Bolsa Ave, Suite 210
Huntington Beach, CA 92649

Work Applying for Permit

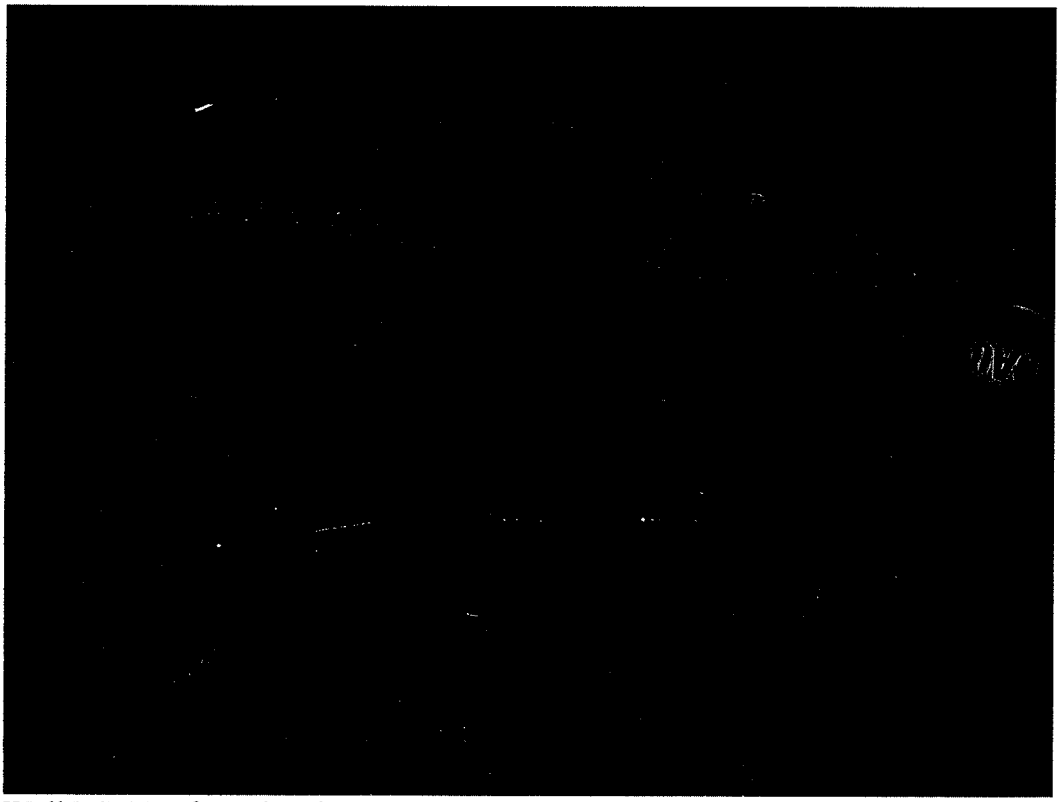
Work Type	Driller	# of Wells	Fees	Cost
Well Destruction-Monitoring	Test America Drilling - Lic# 819548	13	$ 397.00 per well	$ 5,161.00
			Application Total:	$ 5,161.00

APPENDIX C

Pictures of the Well Destruction



Well RS-11 Before Abandonment



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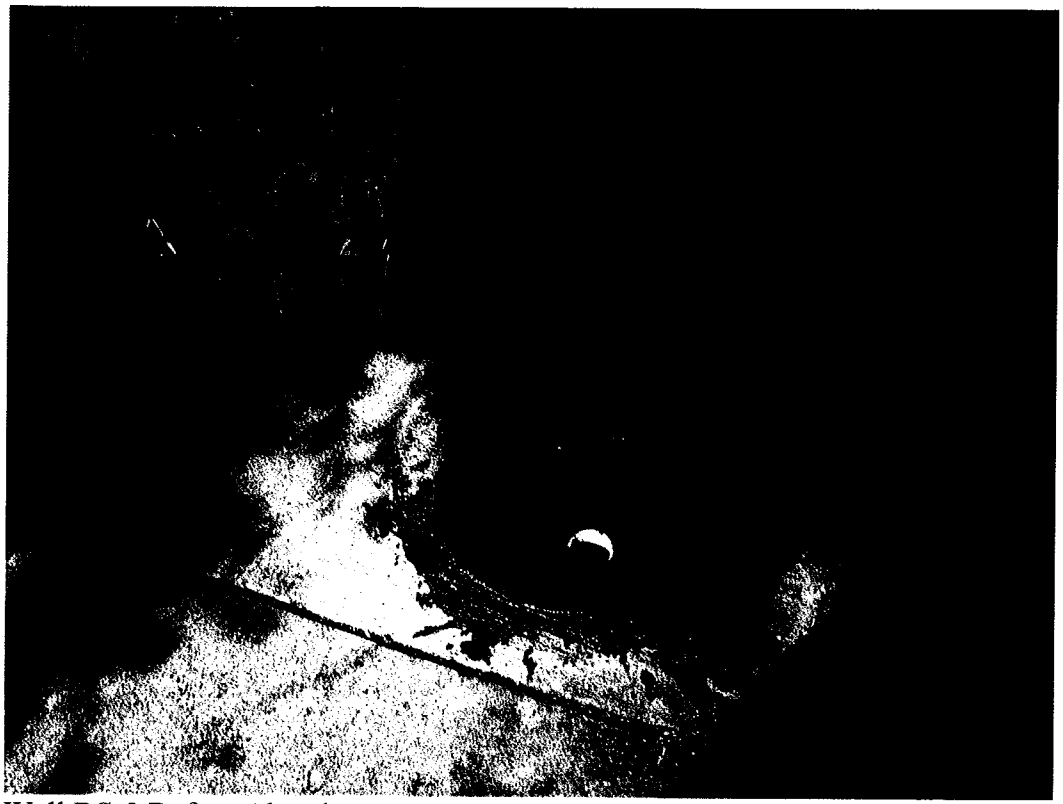

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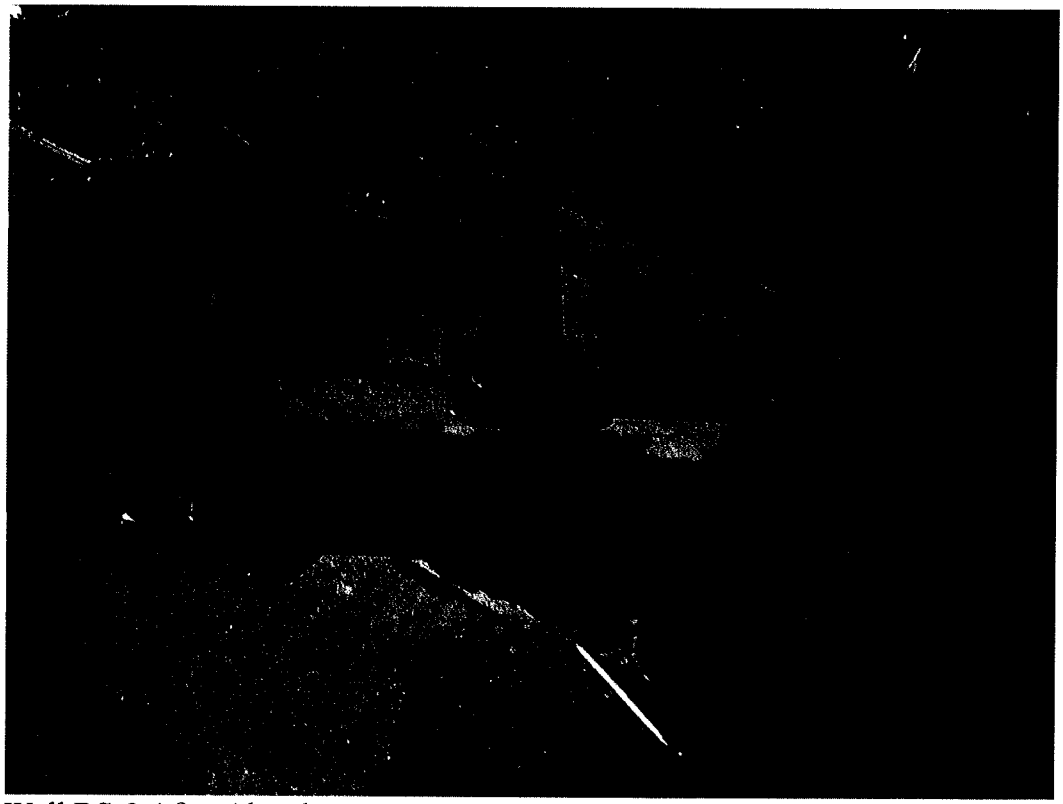

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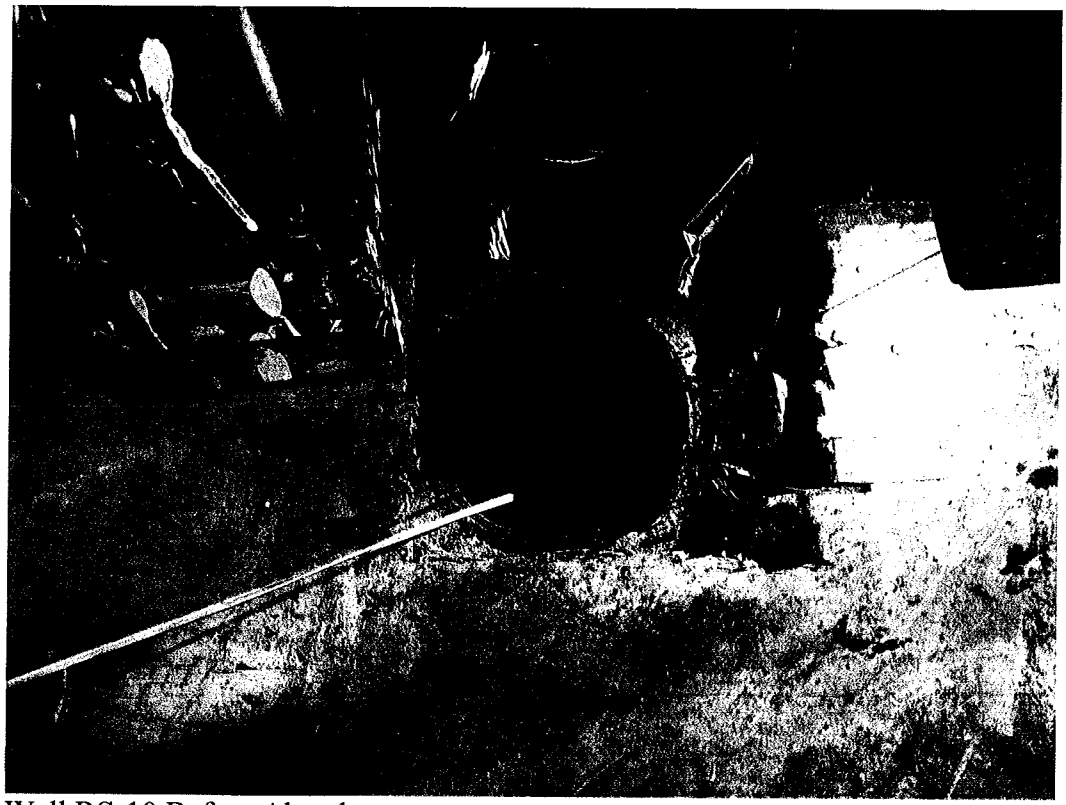
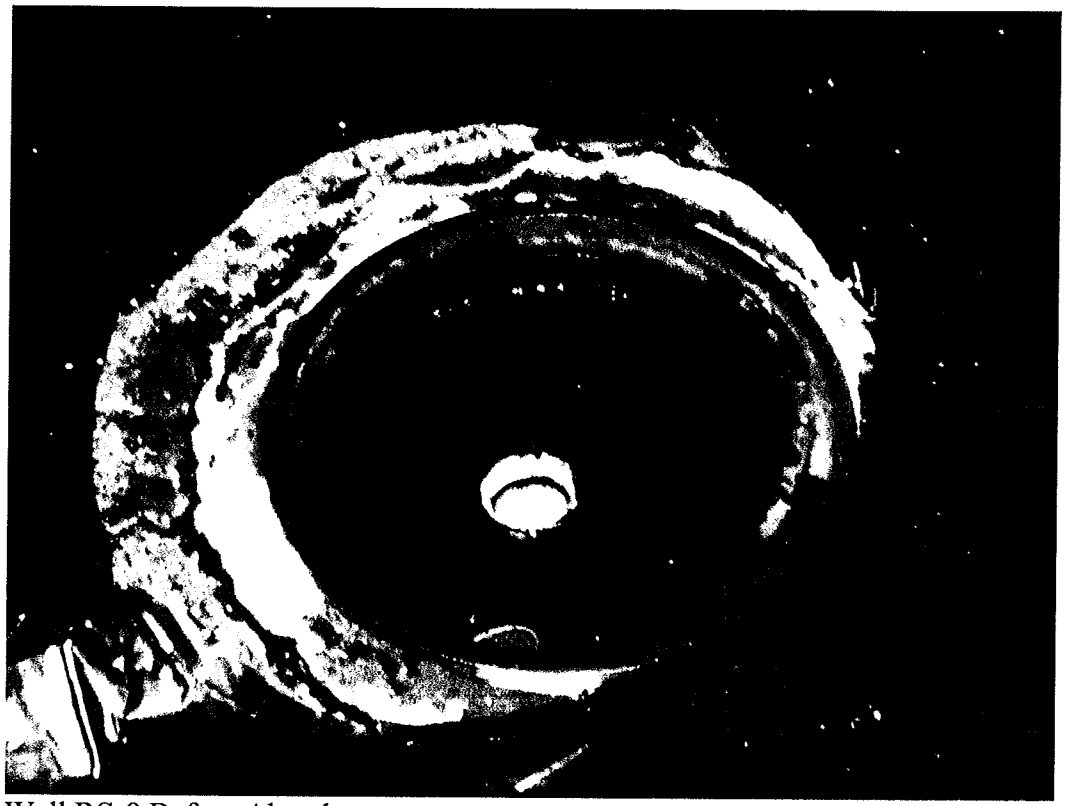


Well RS-10 Before Abandonment

Well RS-10 After Abandonment



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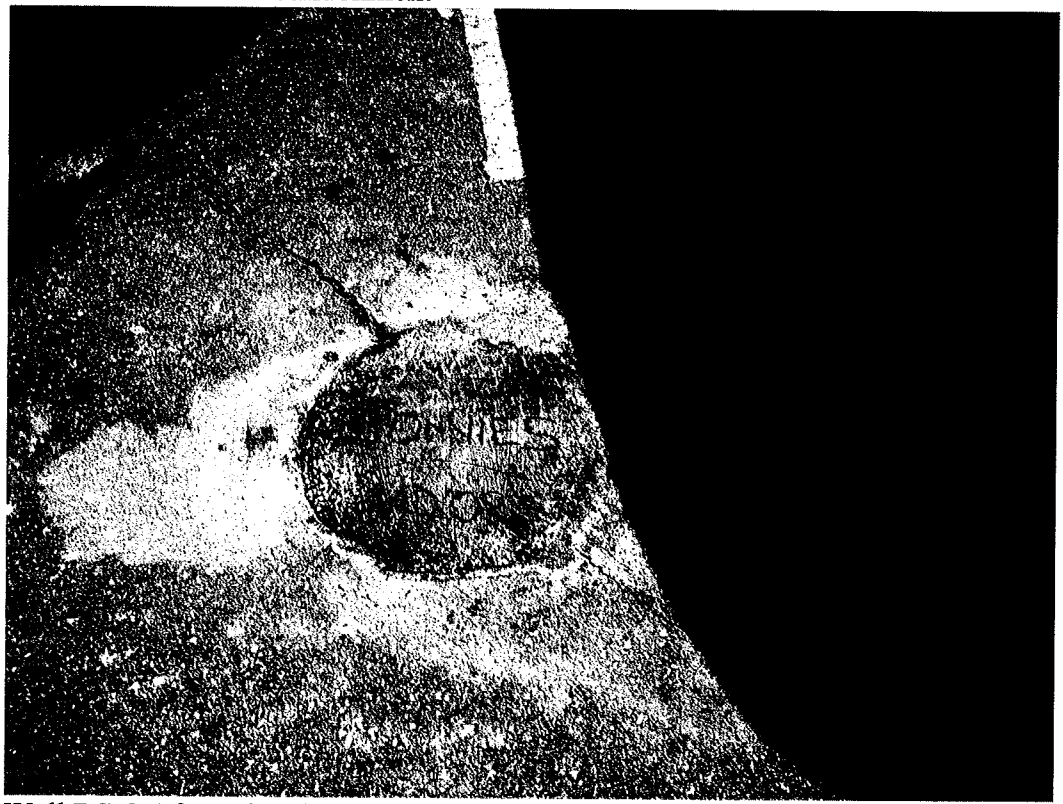

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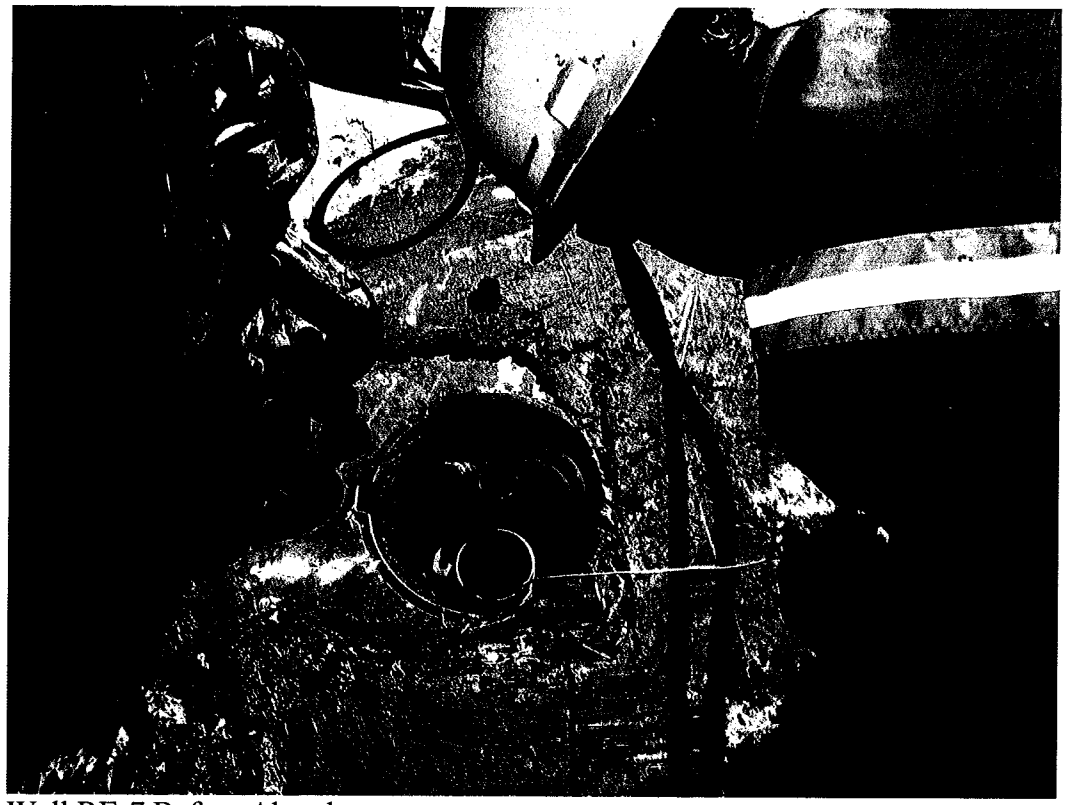

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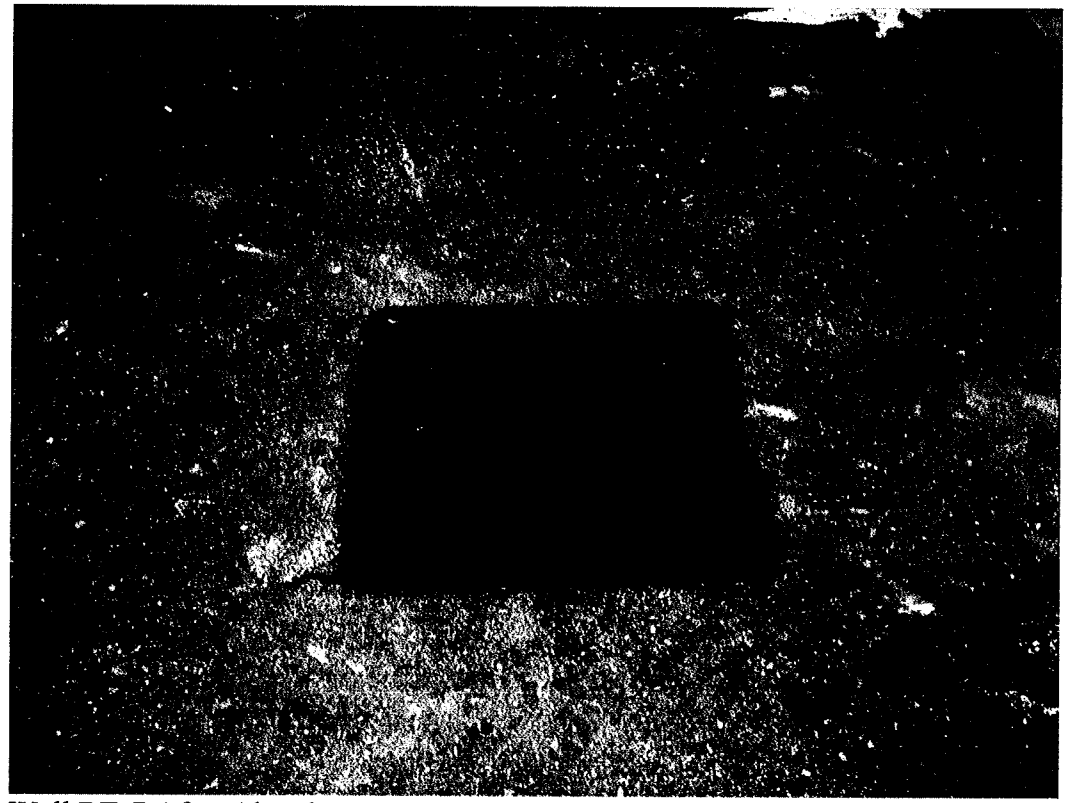

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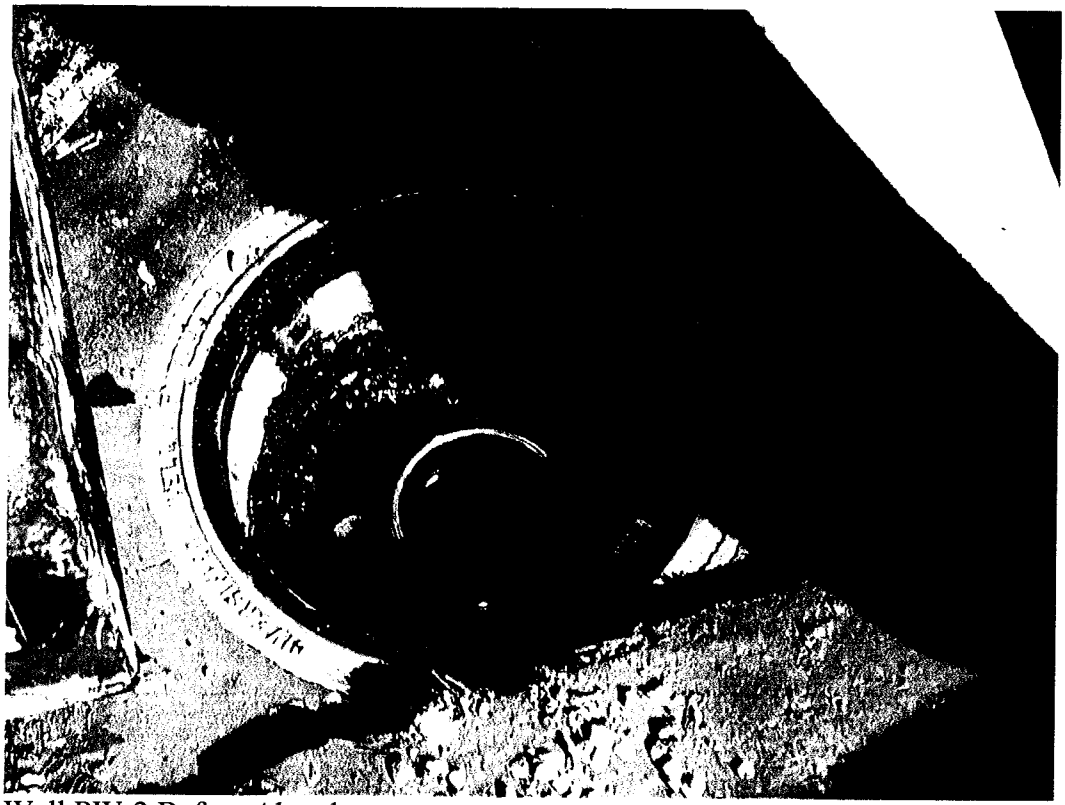

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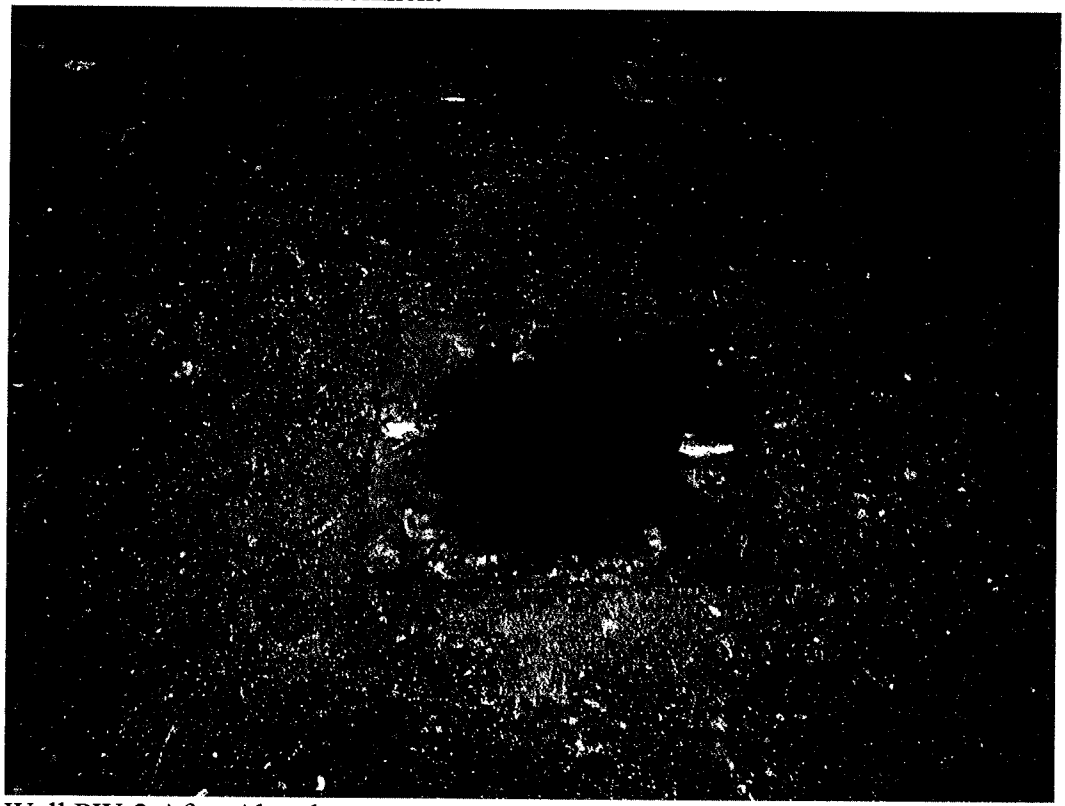

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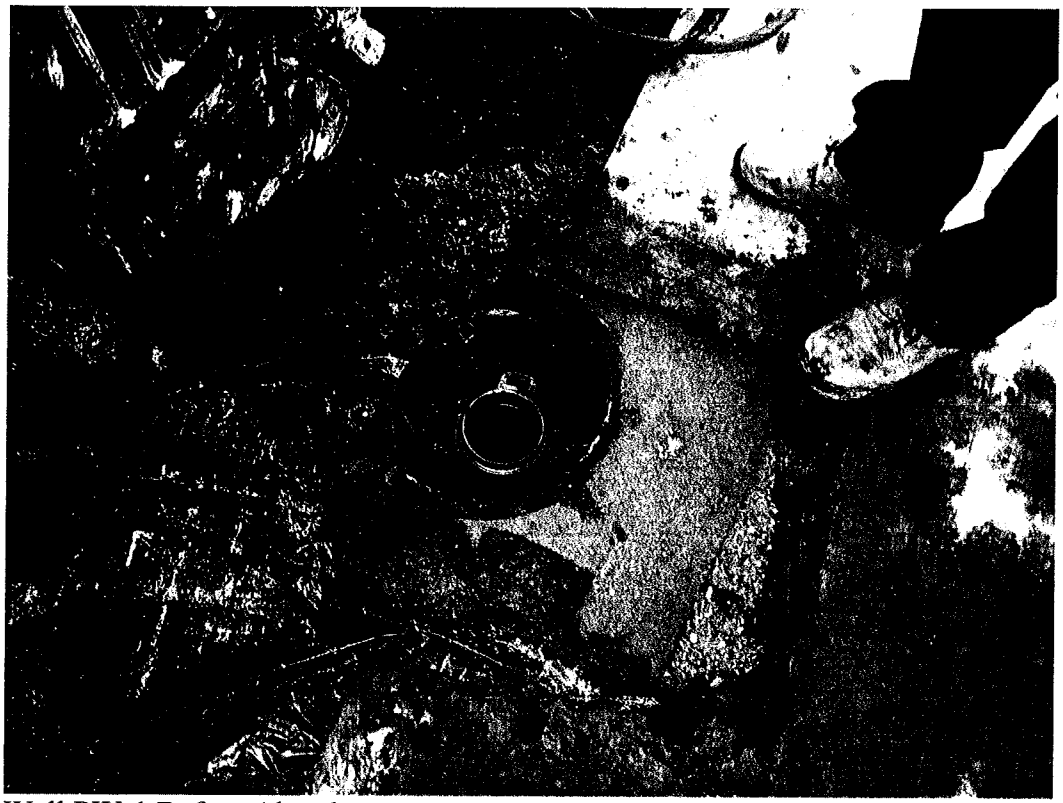
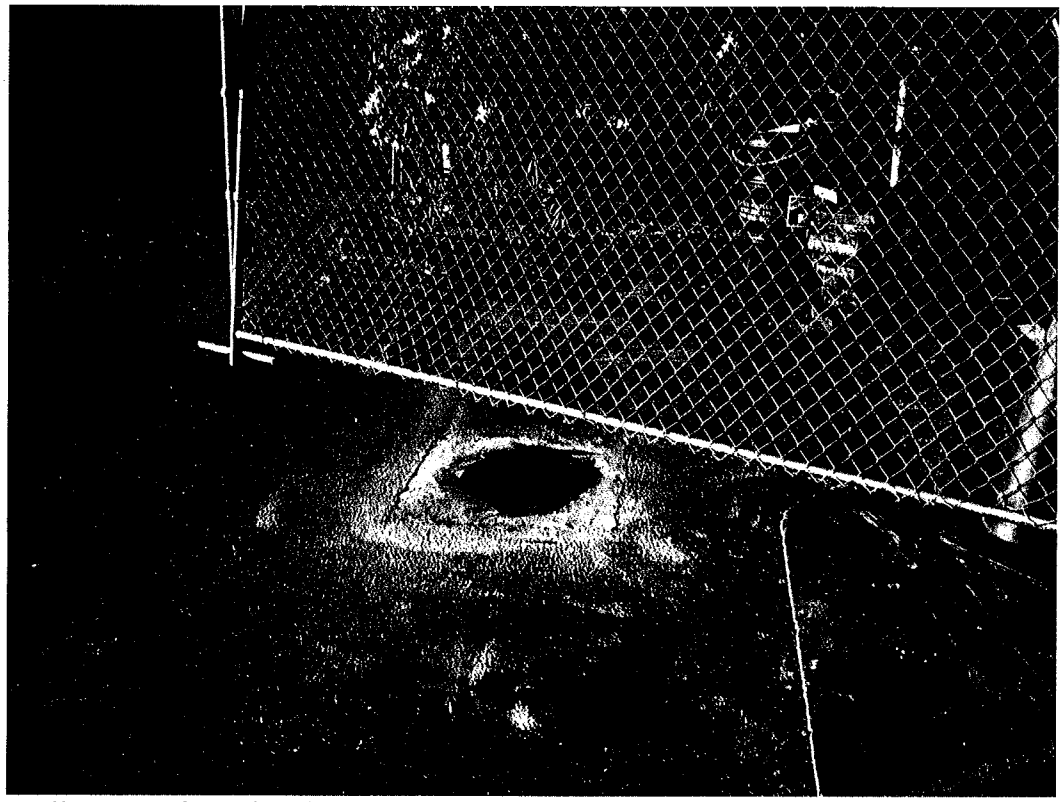


Well PW-1 Before Abandonment

Well PW-1 After Abandonment

Well RE-6 Before Abandonment



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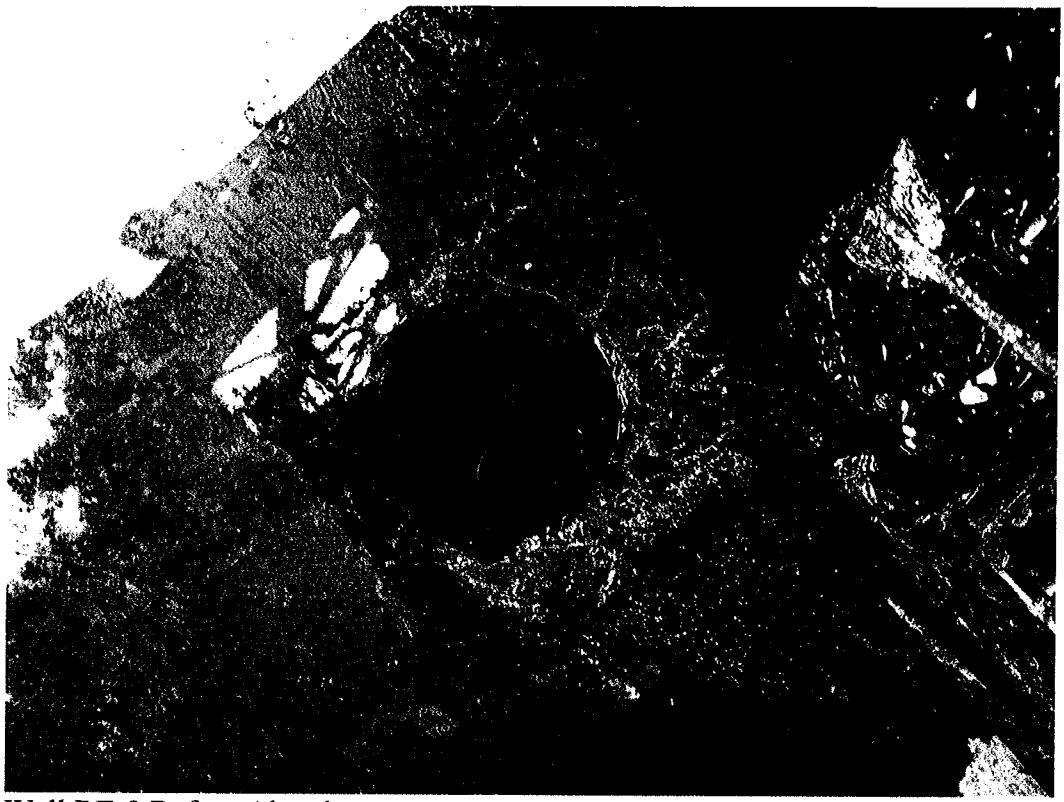


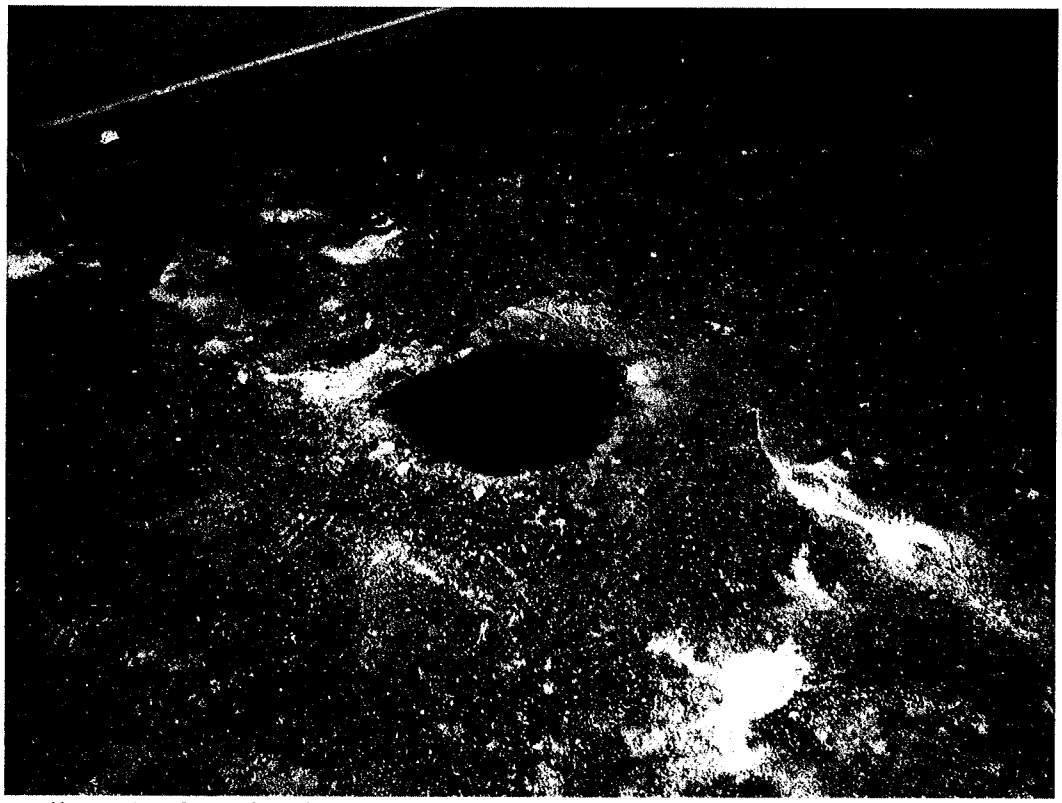
Well RE-2 Before Abandonment

Well RE-2 After Abandonment

Well RE-5 Before Abandonment

Well RE-5 After Abandonment

Well RE-1 Before Abandonment



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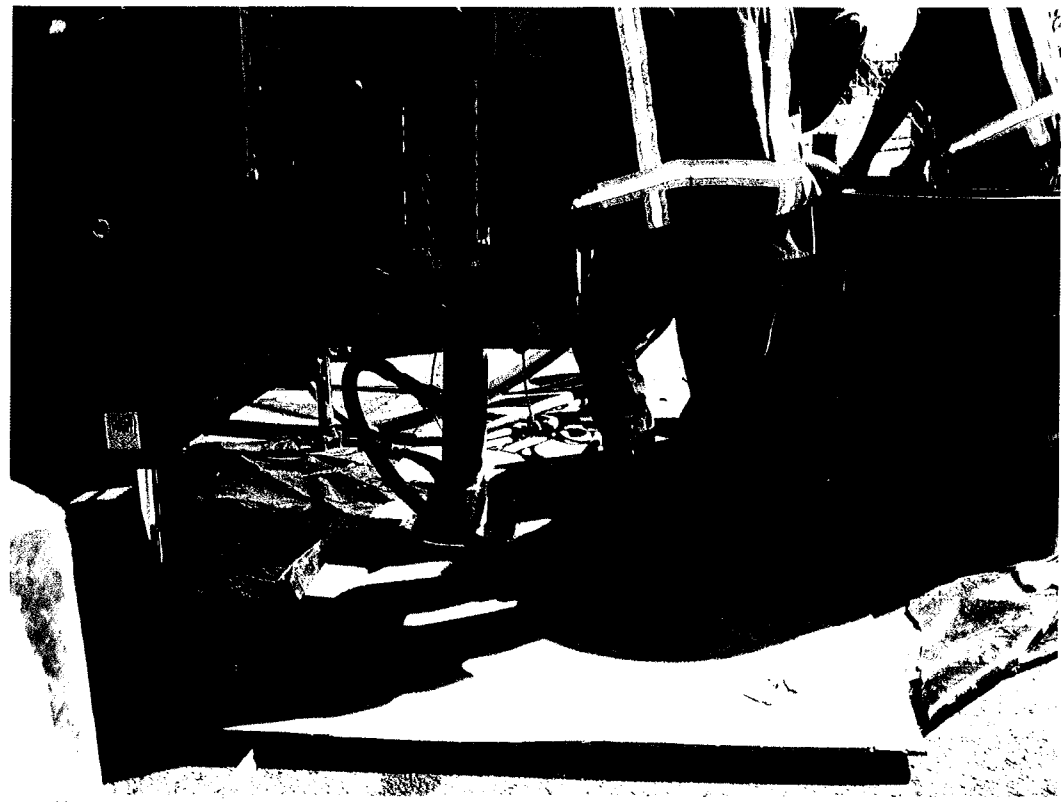

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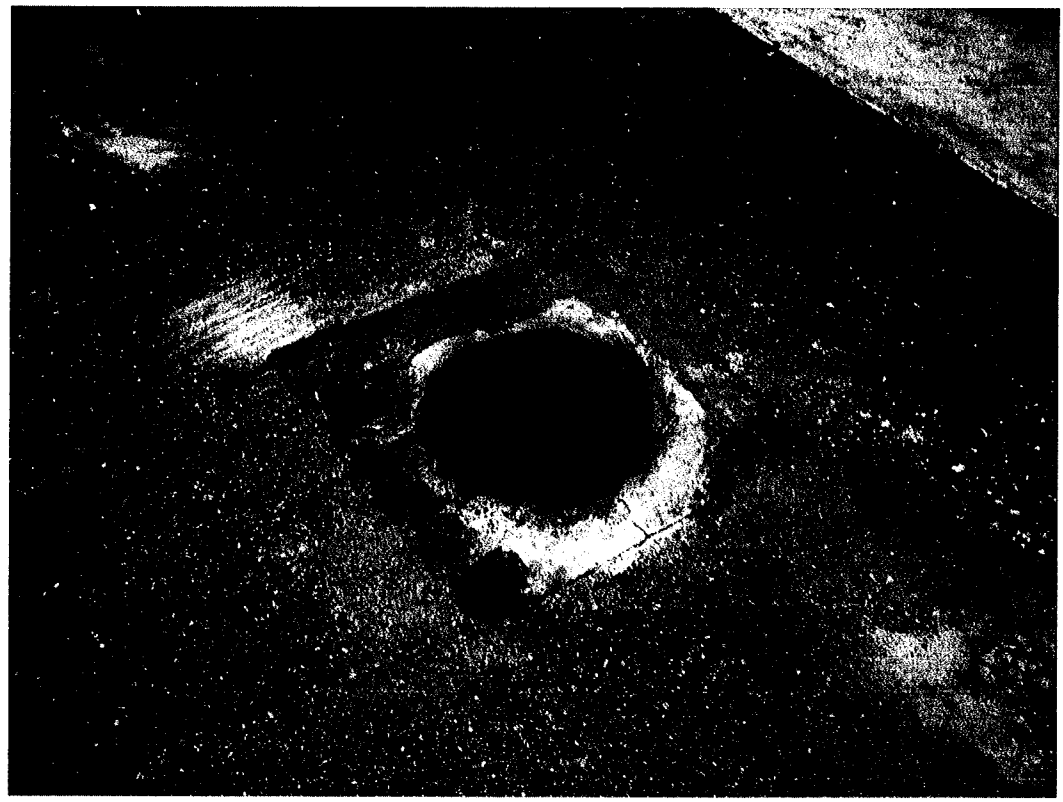

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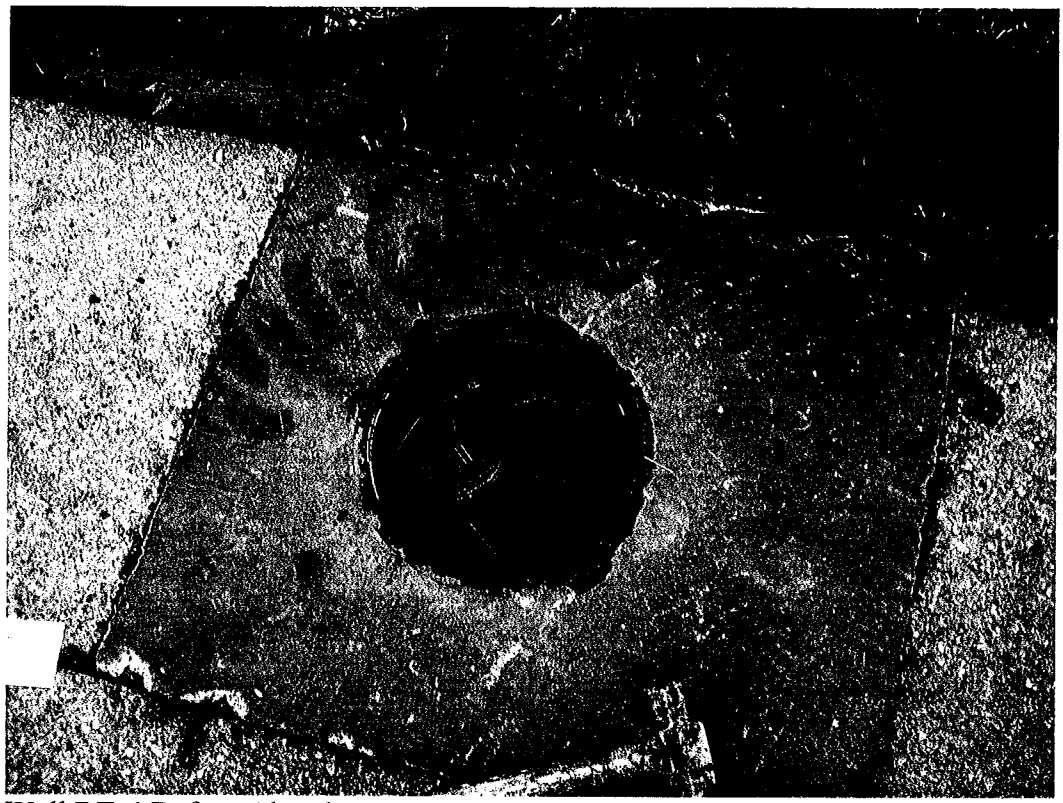

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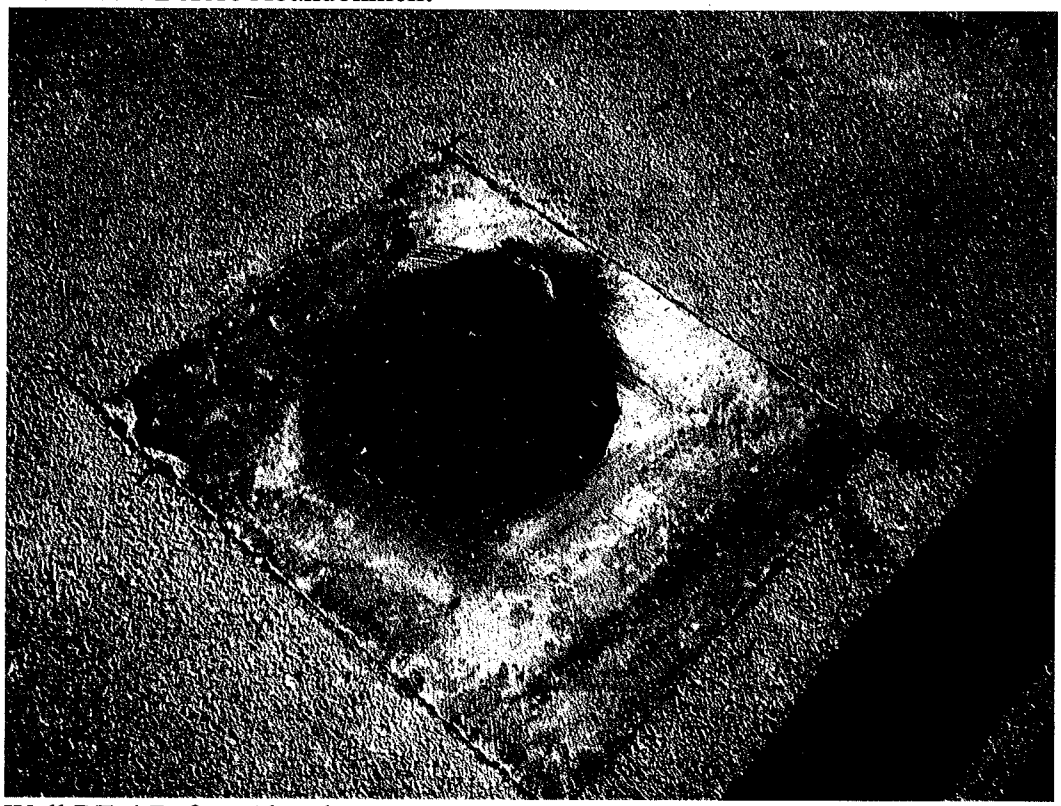

Well RE-4 Before Abandonment