Teledyne 12 Federal Battery

Located in Unit Letter L, SEC. 12, T23S, R28E of Eddy Co., NM

GPS Reading of 32°-19'-05.44"-N & 104°-02'-44.69"-W

API # 30-015-33928

Spill Remediation Report

Presented to:

Range Operating, NM

100 Throckmorton Street Suite 1200
Fort Worth, Texas 76102

Prepared by:

Phoenix Environmental, LLC.

P.O. Box 1856
Hobbs, New Mexico 88240

TABLE OF CONTENTS

SECTION I

District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

AUG 13 2007
OCD-ARTESIA

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

30-015-33928

Release Notification and Corrective Action

OPERATOR

X Initial Report Final Report

Name of Company Range Operating New Mexico, Inc.	Contact Linda C Stiles
Address 100 Throckmorton Street Suite 1200 Fort Worth TX 76102	Telephone No. (817) 869-4208
Facility Name Teledyne	Facility Type Battery

Surface Owner Intrepid Mining NM, LLC	Mineral Owner United States of America Bureau of Land Management	Lease No 3001533928

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	12	25S	37E	1980	SOUTH	990	WEST	Eddy

Latitude 32°19'05.44"N Longitude 104°02'44.69"W

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 72	Volume Recovered 65
Source of	Date and Hour of Occurrence 8-8-07	Date and Hour of Discovery 8 00 AM 8-8-07
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher (NMOCD) Jim Amus (BLM)	
	Date and Hour 8-9-07 2 00 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse NA	

If a Watercourse was Impacted, Describe Fully *
NA

Describe Cause of Problem and Remedial Action Taken *
Water Transfer Pump Malfunction (Electricity Wire Grounded Out) Water Tanks Ran Over. Spill was contained within the firewall

Describe Area Affected and Cleanup Action Taken *
Water was contained inside firewalls Called vacuum truck (Key Trucking) Recovered 65 bbls and hauled to disposal

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations

Signature Linda C. Stiles	OIL CONSERVATION DIVISION
Printed Name Linda C Stiles	Approved by District Supervisor. for
Title Sr Engineering Tech	Approval Date 8/16/07 Expiration Date 8/14/07
E-mail Address. lstiles@rangeresources com	Conditions of Approval Attached ☒
Date 8-9-07 Phone (817) 869-4208	

Attach Additional Sheets If Necessary

SECTION II

Project Overview

Phoenix Environmental, LLC. (Phoenix) was contracted by Brian Cook with Range Resources Corp. to consult and oversee the clean up on the Teledyne 12 Federal Battery. The Teledyne 12 Federal Battery is located at UL L, Sec. 12, T23S, R28E of Eddy Co. New Mexico with a GPS Reading: 32°19'-05.44"N & 104°02'-44.69"W with an elevation of 3822' above sea level and belongs to Range Resources Corp. The land, in and around the site, is primarily used as pasture for cattle and the production of oil and gas. The spill site is located inside the firewall of facility fence in the storage tank area.

The potential contaminates of concern were medium to high level concentrations of hydrocarbons and produced water containing elevated chlorides that were lost from the tanks at the battery running over and absorbed by the surrounding near surface soils.

The ground water depth data that was available for this section for the State of New Mexico Engineers' office showed that the vertical depth to the top of water was in the 20 feet range below surface.

Pursuant to the NMOCD guidelines for clean up of leaks and spills, the clean up level for this site will be at <100 ppm for TPH (Total Petroleum Hydrocarbons) and <50 ppm for BTEX (Benzene, Toluene, Ethylbenzene, and Xylene). The NMOCD has also asked for CL (Chlorides) be returned back as close to background levels as possible or <250 ppm.

Findings and Conclusion

The affected area was contained within the firewall, which is an area approximately 80' x 40'. The problem that caused the spill was the Water Transfer Pump Malfunction (electricity wire grounded out) causing tank to overflow. Overflow contents was produced water. The volume of produced water released was approximately 72 bbls, which approximately 65 bbls was recovered.

It appeared that approximately 156 cubic yards of impacted soils would have to be removed to complete the excavation of the project to remove the affected soils for disposal at a NMOCD permitted commercial waste disposal facility. Clean backfill was then brought in to compact and fill in the excavated area. The battery now has new berms built for secondary containment.

The bottom of the excavation (approximately 2 feet) was tested for TPH, & Chlorides to make certain that the target limits had been met prior to backfilling and compaction for closure. The site cleaned up very well, and not impacting groundwater. (Refer to attached laboratory reports for actual levels).

The Battery site should pose very little if any future environmental threat due to the fact that, the impacted soils at the site were removed for off site disposal and the berms have been rebuilt for secondary containment that will keep any future spills contained within the berms of the facility.

Chronology of Operations

1. *August 26, 2007 – B & R Trucking mobilized on-site, with the first order being a tailgate safety meeting to review any potential safety concerns of the site and to cover the clean up operations. (Please note that a daily safety meeting is the first order of the day before any work begins on site). New Mexico One Call was notified of the intent to clean up the battery. A backhoe was used to start digging out impacted soil around tank area.*

2. *August 28 thru 30, 2007 – Crew continued to dig out the impacted soil from around the tank area, the backhoe loaded impacted soil into dump truck and dump truck hauled impacted soil to an off site disposal, (CRI). Phoenix Environmental pulled a sample approximately 1' down and tested for CL. Test failed (Please refer to attached reports, pages 6 thru 12 of this report.) Crew began digging out more impacted soil.*

3. *August 31, 2007 – Crew continued to dig out impacted soil from around the tank area and haul off to an off-site disposal.*

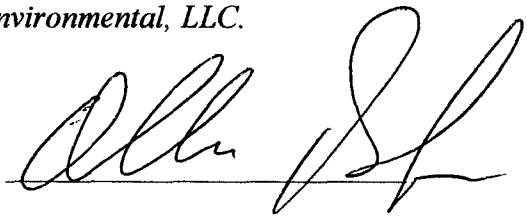
4. *September 3 thru 5, 2007 – Crew continued to dig up impacted soil and load trucks. Trucks hauled out 156 cubic yards to off-site disposal and brought in 180 cubic yards of clean caliche for backfilling. Before backfilling areas samples were taken from impacted areas and sent to a third party lab for analysis. These samples were analyzed for TPH, BTEX and Chlorides. (Please refer to attached reports, pages 6 thru 12 of this report.)*

5. *September 6, 2007 – Crew backfilled impacted soil areas with clean caliche and built new firewall around tank battery, dressed location, and put fencing back up around the facility to complete job.*

Certification

The following Phoenix Environmental personnel have reviewed this report and verified that to the best of their knowledge the contents are true and correct.

Allen Hodge, REM
VP Operations
Phoenix Environmental, LLC.

Signature: 

Registered Environmental Manager #7096
National Registry of Environmental Professionals

SECTION III

SUMMARY SOIL ANALYSIS REPORT

Client: Range Resources Corp. **Facility: Teledyne 12 Federal Battery**
Supervisor: Allen Hodge **Order No.:** Brian Cook
Sample Matrix: Soil **Samples Received:** Intact on site

Initial Project Screening

Sample	Date	Depth	Chlorides	TPH	BTEX	Location	Test Method
#1	8/30/07	1'	2,500	ND	ND	Northeast	EPA 325.3
#2	8/30/07	1'	5,000	ND	ND	Center South	EPA 325.3
#3							
#4							
#5							
#6							

Samples reported in parts per million (ppm) and depth is in feet (') and inches (")

Interim Project Screening

Sample	Date	Depth	Chlorides	TPH	BTEX	Location	Test Method
#1	9/5/07	1'	150	ND	ND	Northwest Leg	EPA 325.3
#2	9/5/07	2'	175	ND	ND	Northeast Leg	EPA 325.3
#3	9/5/07	1'	125	ND	ND	Southeast Leg	EPA 325.3
#4	9/5/07	1'	125	ND	ND	Southwest Leg	EPA 325.3
#5	9/5/07	2'	175	ND	ND	South Center	EPA 325.3
#6	9/5/07	0-6"	650	ND	ND	Background	EPA 325.3
#7							
#8							
#9							
#10							
#11							
#12							
#13							
#14							
#15							
#16							

Samples reported in parts per million (ppm) and depth is in feet (') and inches (")

Final (Third Party Laboratory) Project Screening Verification

Sample	Date	Depth	Chlorides	TPH	BTEX	Location	Test Method
#1	9/11/07	1'	25.6	ND	ND	Northwest Leg	See Report
#2	9/11/07	2'	25.8	ND	ND	Northeast Leg	See Report
#3	9/11/07	1'	32.3	ND	ND	Southeast Leg	See Report
#4	9/11/07	2'	33.7	ND	ND	South Center	See Report
#5	9/11/07	1'	31.2	ND	ND	Southwest Leg	See Report
#6	9/11/07	0-6"	ND	ND	ND	Background	See Report
#7							

Samples reported in parts per million (ppm) and depth is in feet (') and inches (")

Phoenix Environmental, LLC.
P.O. Box 1856 – 2113 French Drive
Hobbs, New Mexico 88241
505.391.9685 – FAX: 505.391.9687

SOIL ANALYSIS REPORT

Date: 9/5/07
Client: Range Resources Corp.
Supervisor: Allen Hodge
Sample Matrix: Soil

Facility: Teledyne 12 Federal Battery
Test Method: EPA 325.3
Order No.: Brian Cook
Sample Received: Intact on site

Sample	CL (ppm)	Depth (feet)	Location
#1	150	1′	Northwest Leg
#2	175	2′	Northeast Leg
#3	125	1′	Southeast Leg
#4	125	1′	Southwest Leg
#5	175	2′	South Center
#6	650	0-6″	Background

COMMENTS: *These samples are field screen samples taken to confirm regulator limits prior to final lab analysis.*

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **PHOENIX ENVIRONMENTAL, LLC**
Project: **RANGE TELEDYNE 12**
Order: **07090329 PHO01** Receipt: **09-12-07**

Sample: ***4 CS 2'*** Collected: *09-11-07 12:45:00* By: *RG*
Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
07090329-004A		**SW846 8015B Diesel Range Organics by GC/FID**						By: RDW		
S07554	XG.2007.1336.10		Diesel Range Organics	ND	mg/Kg	1	25		09-18-07	09-18-07
07090329-004A		**SW846 9056 Anions by Ion Chromatography**						By: JJK		
W07754	WC.2007.2492.6	16887-00-6	Chloride	33.7	mg/Kg	10	0.5		09-22-07	09-26-07

Sample: ***5 SW 1'*** Collected: *09-11-07 13:00:00* By: *RG*
Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
07090329-005A		**SW846 5035B/8015B GRO by GC/FID**						By: RDW		
V07505	XG.2007.1353.20		Gasoline Range Organics	ND	mg/Kg	1	1		09-20-07	09-20-07
07090329-005A		**SW846 5035B/8021B Purgeable VOCs by GC/PID**						By: RDW		
V07494	XG.2007.1333 11	71-43-2	Benzene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.11	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.11	95-47-6	o-Xylene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.11	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01		09-17-07	09-17-07
V07494	XG.2007.1333.11	108-88-3	Toluene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
07090329-005A		**SW846 8015B Diesel Range Organics by GC/FID**						By: RDW		
S07554	XG.2007.1336.11		Diesel Range Organics	ND	mg/Kg	1	25		09-18-07	09-18-07
07090329-005A		**SW846 9056 Anions by Ion Chromatography**						By: JJK		
W07754	WC 2007.2492.7	16887-00-6	Chloride	31.2	mg/Kg	10	0.5		09-22-07	09-26-07

Sample: ***6 BG 0-6"*** Collected: *09-11-07 13:15:00* By: *RG*
Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
07090329-006A		**SW846 5035B/8015B GRO by GC/FID**						By: RDW		
V07505	XG.2007.1353.21		Gasoline Range Organics	ND	mg/Kg	1	1		09-20-07	09-20-07
07090329-006A		**SW846 5035B/8021B Purgeable VOCs by GC/PID**						By: RDW		
V07494	XG.2007.1333.12	71-43-2	Benzene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.12	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.12	95-47-6	o-Xylene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG 2007.1333.12	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01		09-17-07	09-17-07
V07494	XG.2007.1333.12	108-88-3	Toluene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
07090329-006A		**SW846 8015B Diesel Range Organics by GC/FID**						By: RDW		
S07554	XG.2007.1336.12		Diesel Range Organics	ND	mg/Kg	1	25		09-18-07	09-18-07
07090329-006A		**SW846 9056 Anions by Ion Chromatography**						By: JJK		
W07754	WC.2007.2492.8	16887-00-6	Chloride	ND	mg/Kg	10	0.5		09-22-07	09-26-07

ASSAIGAI ANALYTICAL LABORATORIES, INC.

P.O. Box 90430 • Albuquerque, New Mexico 87199 • (505) 345-8964 • FAX (505) 345-7259
3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

PHOENIX ENVIRONMENTAL, LLC
attn: **ALLEN HODGE**
PO BOX 1856
HOBBS NM 88241

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **PHOENIX ENVIRONMENTAL, LLC**
Project: **RANGE TELEDYNE 12**
Order: **07090329 PHO01** Receipt: **09-12-07**

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***1 NW 1'*** Collected: *09-11-07 12:00:00* By: *RG*
Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
07090329-001A		**SW846 5035B/8015B GRO by GC/FID**						By: RDW		
V07505	XG 2007.1353.14		Gasoline Range Organics	ND	mg/Kg	1	1		09-20-07	09-20-07
07090329-001A		**SW846 5035B/8021B Purgeable VOCs by GC/PID**						By: RDW		
V07494	XG.2007.1333.5	71-43-2	Benzene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333 5	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.5	95-47-6	o-Xylene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.5	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01		09-17-07	09-17-07
V07494	XG.2007.1333.5	108-88-3	Toluene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
07090329-001A		**SW846 8015B Diesel Range Organics by GC/FID**						By: RDW		
S07554	XG.2007.1336.5		Diesel Range Organics	ND	mg/Kg	1	25		09-18-07	09-18-07
07090329-001A		**SW846 9056 Anions by Ion Chromatography**						By: JJK		
W07754	WC.2007.2492.3	16887-00-6	Chloride	25.6	mg/Kg	10	0.5		09-22-07	09-26-07

Sample: ***2 NE 2'*** Collected: *09-11-07 12:15:00* By: *RG*
Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
07090329-002A		**SW846 5035B/8015B GRO by GC/FID**						By: RDW		
V07505	XG.2007.1353.17		Gasoline Range Organics	ND	mg/Kg	1	1		09-20-07	09-20-07
07090329-002A		**SW846 5035B/8021B Purgeable VOCs by GC/PID**						By: RDW		
V07494	XG.2007.1333.8	71-43-2	Benzene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.8	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005		09-17-07	09-17-07

Report Date: 9/26/2007 1:39:42 PM

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **PHOENIX ENVIRONMENTAL, LLC**

Project: **RANGE TELEDYNE 12**

Order: **07090329 PHO01** Receipt: **09-12-07**

Sample: ***2 NE 2'*** Collected: *09-11-07 12:15:00* By: *RG*

Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
07090329-002A		**SW846 5035B/8021B Purgeable VOCs by GC/PID**						By: RDW		
V07494	XG.2007.1333.8	95-47-6	o-Xylene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.8	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01		09-17-07	09-17-07
V07494	XG.2007.1333.8	108-88-3	Toluene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
07090329-002A		**SW846 8015B Diesel Range Organics by GC/FID**						By: RDW		
S07554	XG.2007.1336.8		Diesel Range Organics	ND	mg/Kg	1	25		09-18-07	09-18-07
07090329-002A		**SW846 9056 Anions by Ion Chromatography**						By: JJK		
W07754	WC.2007.2492.4	16887-00-6	Chloride	25.8	mg/Kg	10	0.5		09-22-07	09-26-07

Sample: ***3 SE 1'*** Collected: *09-11-07 12:30:00* By: *RG*

Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
07090329-003A		**SW846 5035B/8015B GRO by GC/FID**						By: RDW		
V07505	XG.2007.1353.18		Gasoline Range Organics	ND	mg/Kg	1	1		09-20-07	09-20-07
07090329-003A		**SW846 5035B/8021B Purgeable VOCs by GC/PID**						By: RDW		
V07494	XG.2007.1333.9	71-43-2	Benzene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.9	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.9	95-47-6	o-Xylene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.9	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01		09-17-07	09-17-07
V07494	XG.2007.1333.9	108-88-3	Toluene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
07090329-003A		**SW846 8015B Diesel Range Organics by GC/FID**						By: RDW		
S07554	XG.2007.1336.9		Diesel Range Organics	ND	mg/Kg	1	25		09-18-07	09-18-07
07090329-003A		**SW846 9056 Anions by Ion Chromatography**						By: JJK		
W07754	WC.2007.2492.5	16887-00-6	Chloride	32.3	mg/Kg	10	0.5		09-22-07	09-26-07

Sample: ***4 CS 2'*** Collected: *09-11-07 12:45:00* By: *RG*

Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
07090329-004A		**SW846 5035B/8015B GRO by GC/FID**						By: RDW		
V07505	XG.2007.1353.19		Gasoline Range Organics	ND	mg/Kg	1	1		09-20-07	09-20-07
07090329-004A		**SW846 5035B/8021B Purgeable VOCs by GC/PID**						By: RDW		
V07494	XG.2007.1333.10	71-43-2	Benzene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.10	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.10	95-47-6	o-Xylene	ND	mg/Kg	1	0.005		09-17-07	09-17-07
V07494	XG.2007.1333.10	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01		09-17-07	09-17-07
V07494	XG.2007.1333.10	108-88-3	Toluene	ND	mg/Kg	1	0.005		09-17-07	09-17-07

Report Date: *9/26/2007 1:39:42 PM*

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **PHOENIX ENVIRONMENTAL, LLC**

Project: **RANGE TELEDYNE 12**

Order: **07090329 PHO01** Receipt: **09-12-07**

Sample: ***6 BG 0-6"*** Collected: *09-11-07 13:15:00* By: *RG*

Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 9/26/2007 1:39:42 PM

ASSAIGAI ANALYTICAL LABORATORIES, INC.

Chain of Custody Record

4301 Masthead N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

127 EASTGATE DRIVE, 212-C
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

Lab Job No. ______ Date ______

Page 1 of 1

Client: Phoenix Environmental LLC
Project Manager / Contact: Allen Hodge
Address: PO Box 1856
Telephone No. 505 391 9685
City / State / Zip: Hobbs NM 88241
Fax No. 505 391 9687
Project Name / Number: Range Teledyne 12
Samplers (signature): [signature]
Contract / Purchase Order / Quote: 6?

AALI Fraction Number	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation Temp.	Preservation Chemical	No. of Containers	TPH	BTEX	Cl							Remarks
	(1) NW 1'	9/11/07	1200	grab soil	4 oz glass	4°C	ice	1	X	X	X							
	(2) NE 2'	9/11/07	1215	↓	↓	↓	↓	1	X	X	X							
	(3) SE 1'	9/11/07	1230					1	X	X	X							
	(4) CS 2'	9/11/07	1245					1	X	X	X							
	(5) SW 1'	9/11/07	100pm					1	X	X	X							
	(6) BG 0-6"	9/11/07	115pm					1	X	X	X							

Relinquished by	Date / Time	Received by	Relinquished by	Date / Time	Received by
Signature: [signature]	Date: 9/12/07	Signature: [signature]	Signature:	Date:	Signature:
Printed: R. Garza		Printed: S. Fabr	Printed:		Printed:
Company: Phoenix	Time: 0730	Company: AAL	Company:	Time:	Company:
Reason:		Reason:	Reason:		Reason:

Method of Shipment: bus
Shipment No.
Special Instructions:

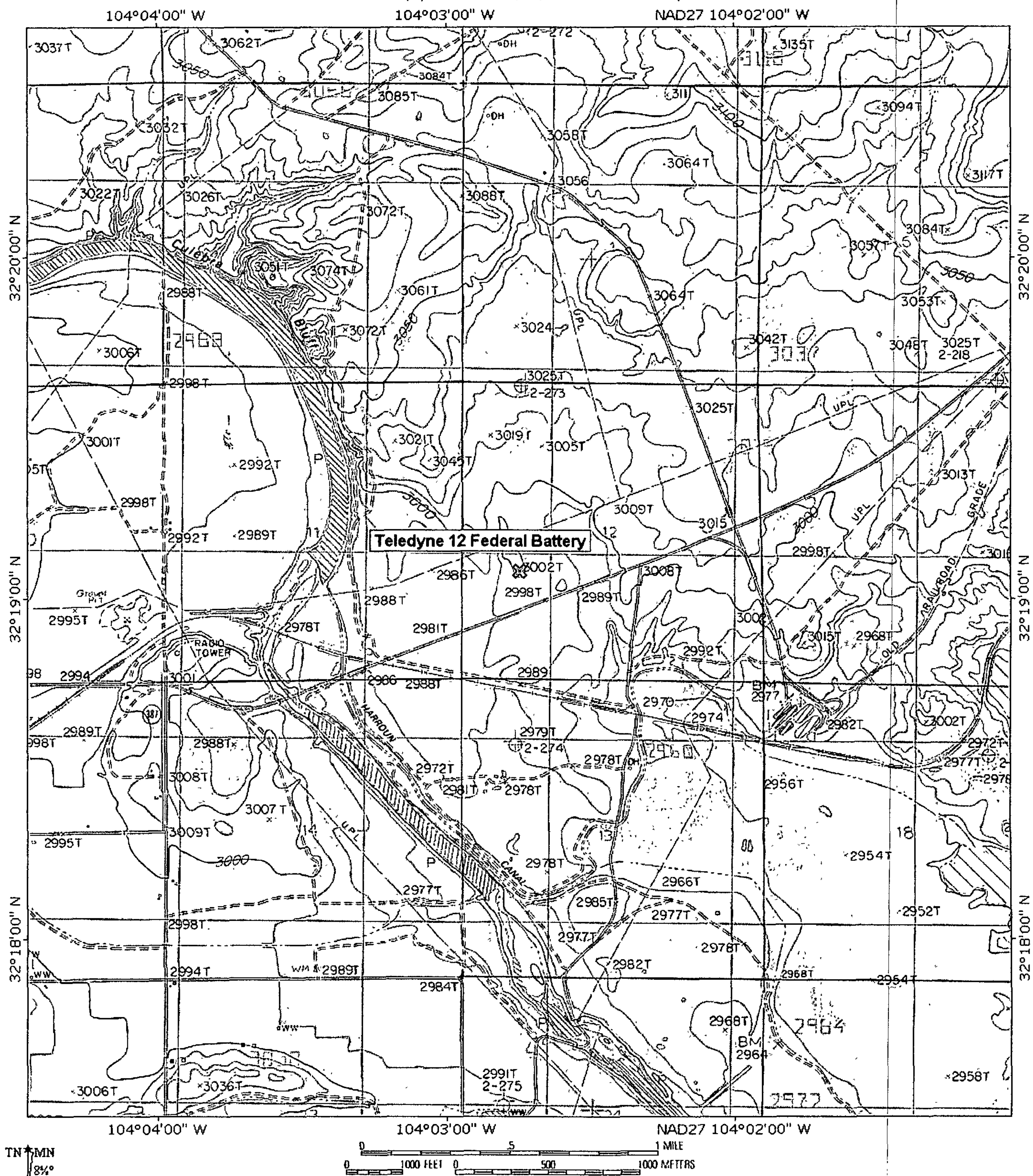
Comments: Please email result

After analysis, samples are to be:
- ☐ Disposed of (additional fee)
- ☐ Stored (30 days max)
- ☐ Stored over 30 days (additional fee)
- ☐ Returned to customer

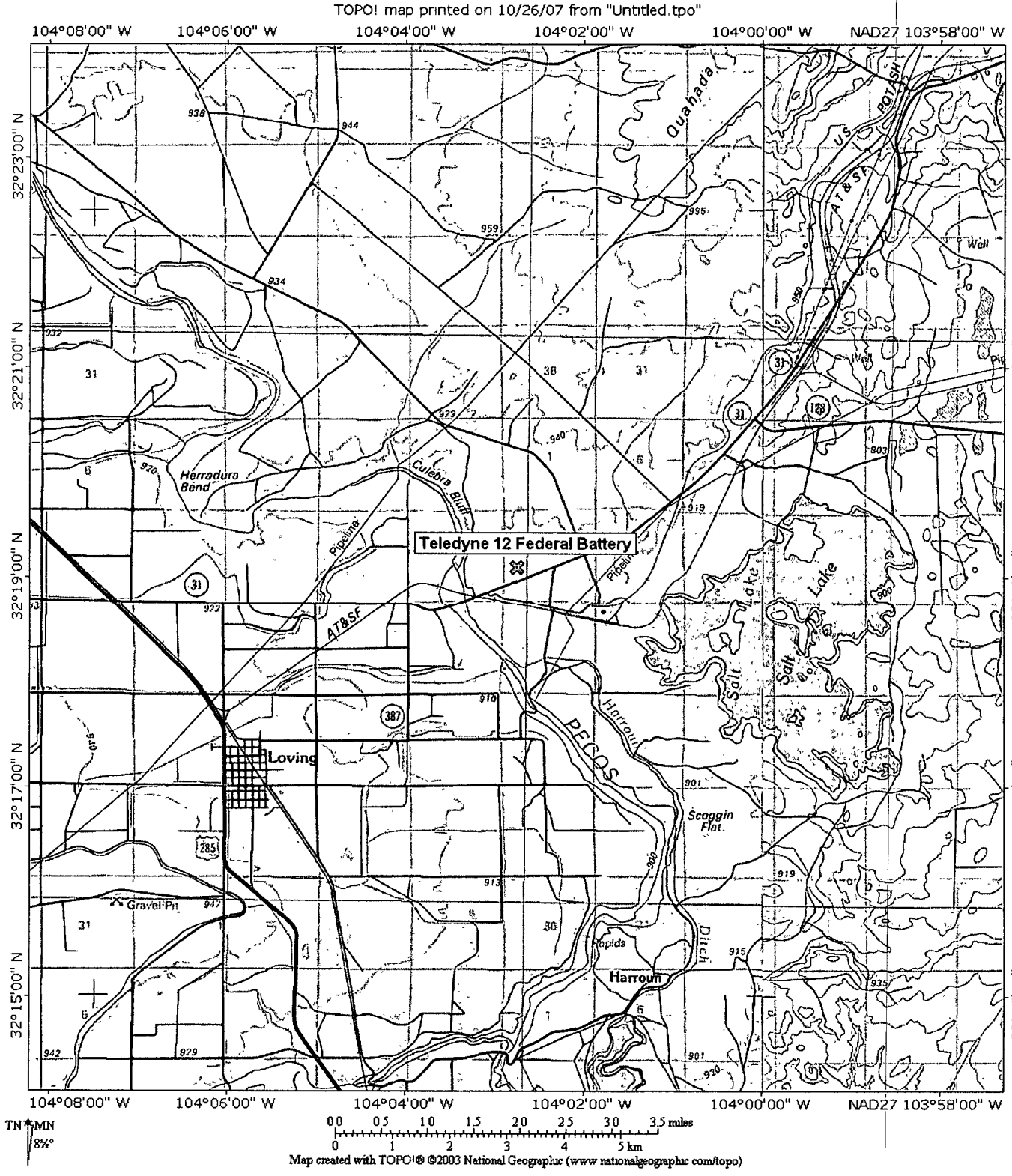
FIELD FILE

SECTION IV

TOPO! map printed on 10/26/07 from "Untitled.tpo"



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)


TOPO! map printed on 10/26/07 from "Untitled.tpo"
104°08'00" W
104°06'00" W
104°04'00" W
104°02'00" W
104°00'00" W
NAD27 103°58'00" W
32°23'00" N
32°21'00" N
32°19'00" N
32°17'00" N
32°15'00" N
Teledyne 12 Federal Battery
Loving
Harroun
Scoggin Flat
Herradura Bend
Culebra Bluff
Pipeline
AT&SF
PECOS
Salt Lake
Quahada
U.S. POTASH
Rapids
Ditch
Gravel Pit
Well
TN MN
8¾°
0 1 2 3 4 5 km
0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 miles
Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

SECTION V

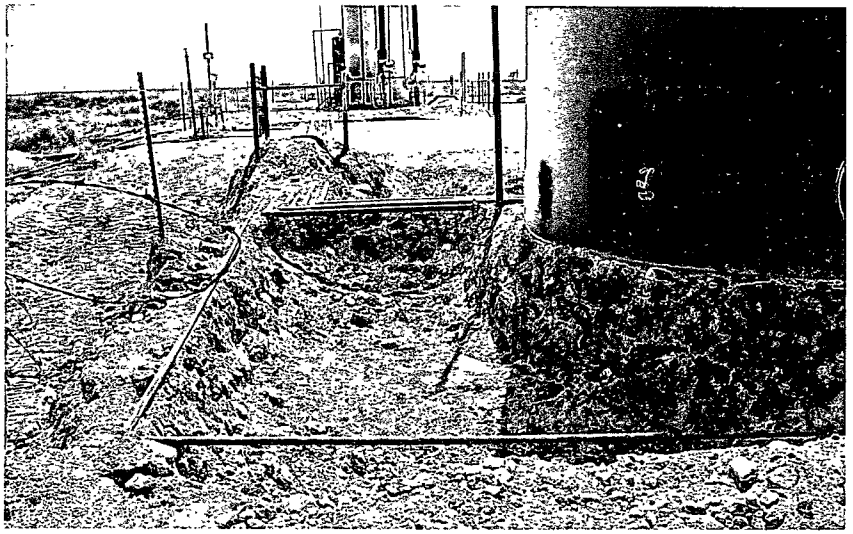


Photo #1 Impacted Soil Dug Out around Tanks

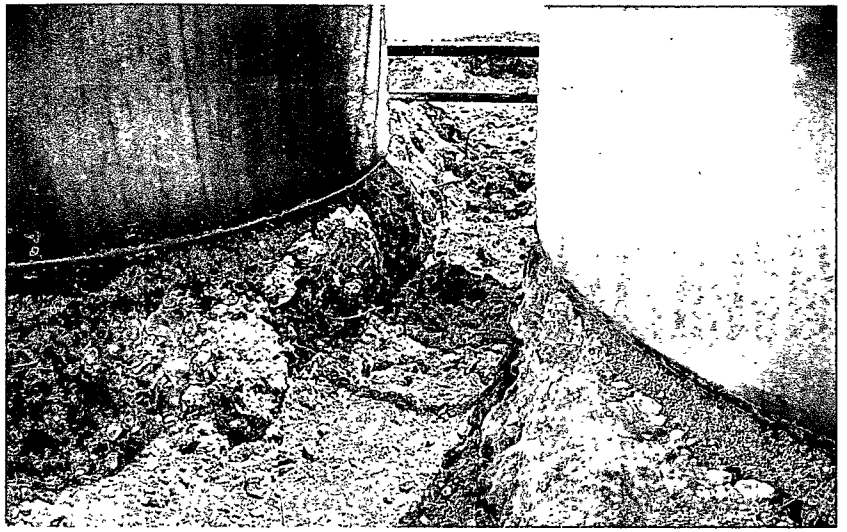


Photo #2 Impacted Soil Being Dug Out Between Tanks

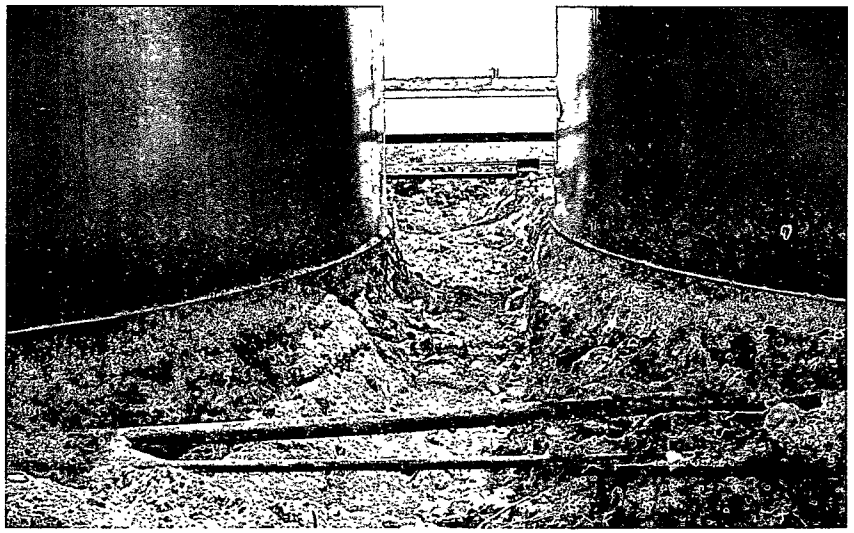


Photo #3 Cleaning Up Impacted Soil

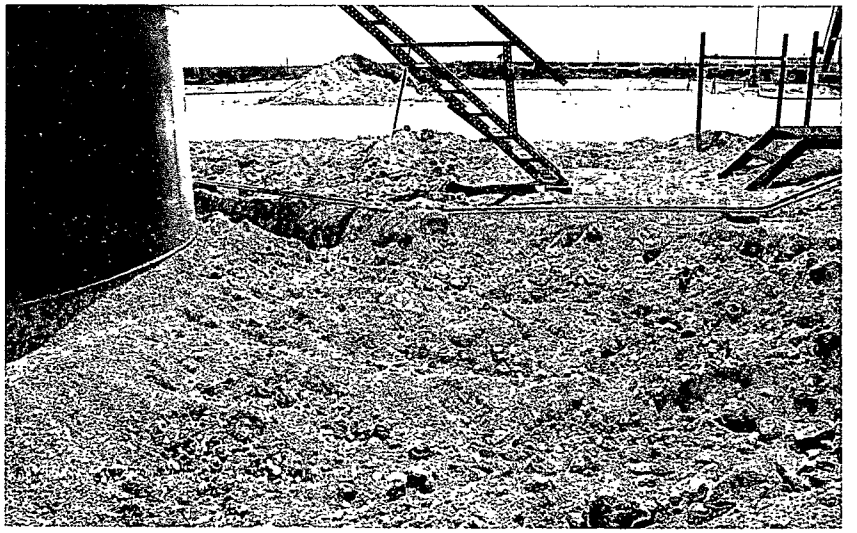


Photo #4 Backfilling Impacted Soil Areas

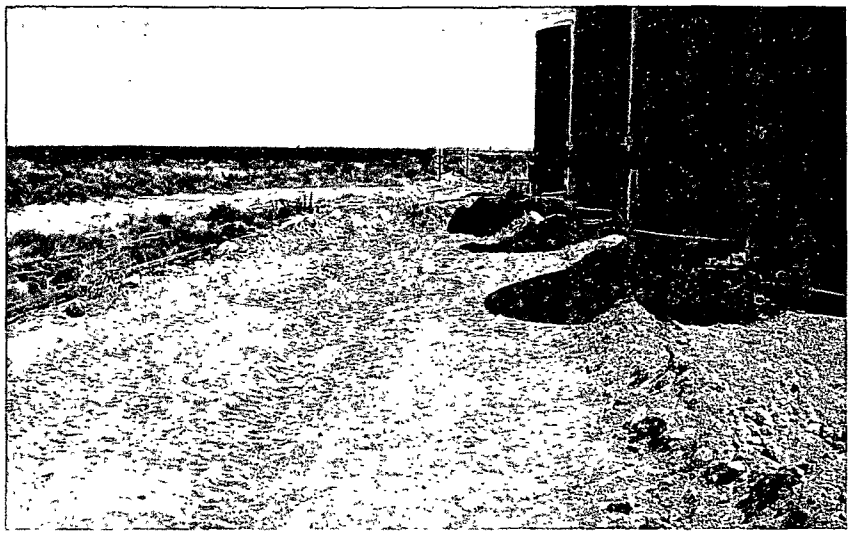


Photo #5 Impacted Soil Area Cleaned Ready for Firewall

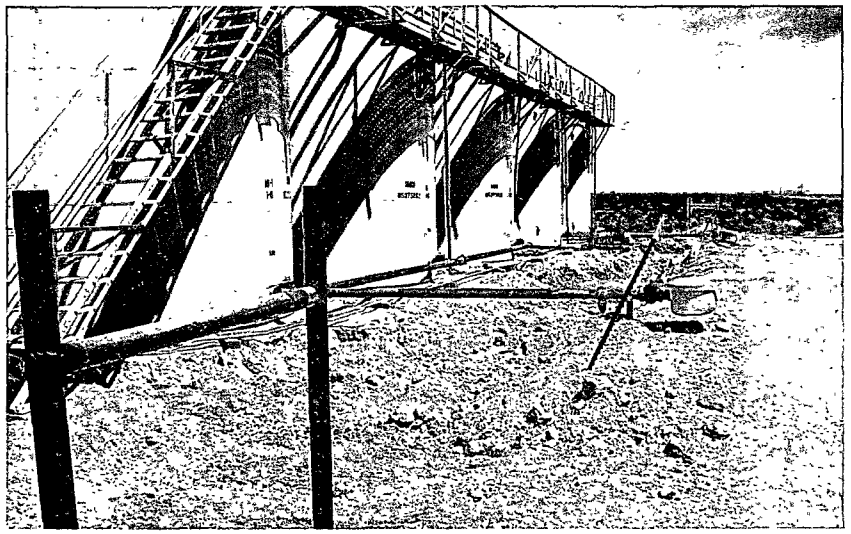


Photo #6 Starting To Build New Firewall

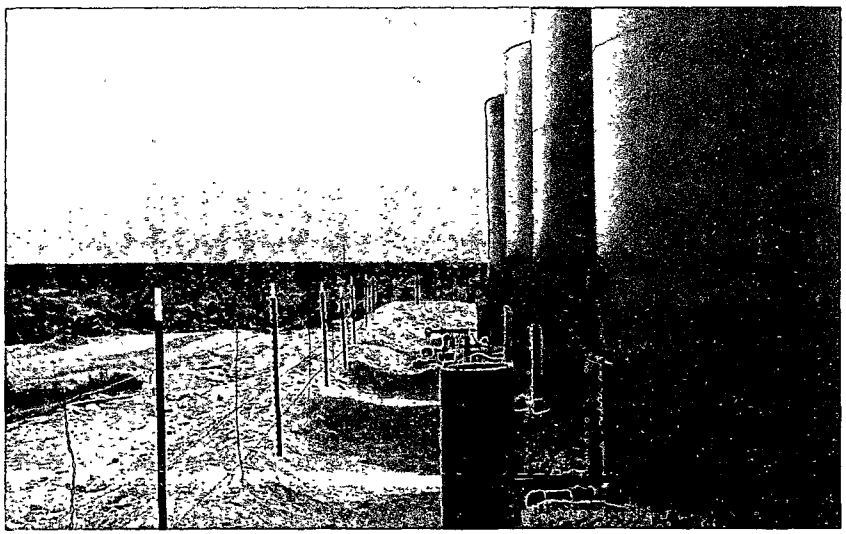


Photo #7 Final View of Cleaned Up Tank Battery

Photo #8 Final View of Clean Up

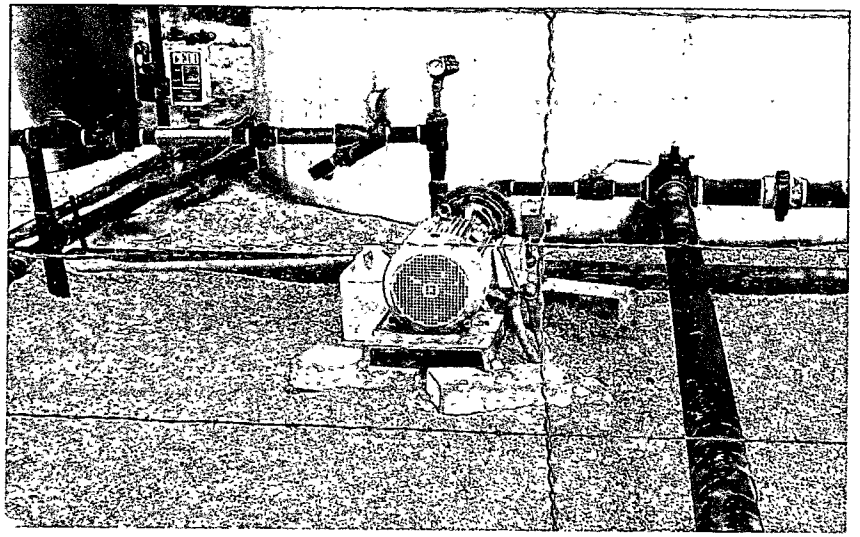


Photo #9 Final View of Cleaned Up Tank Battery

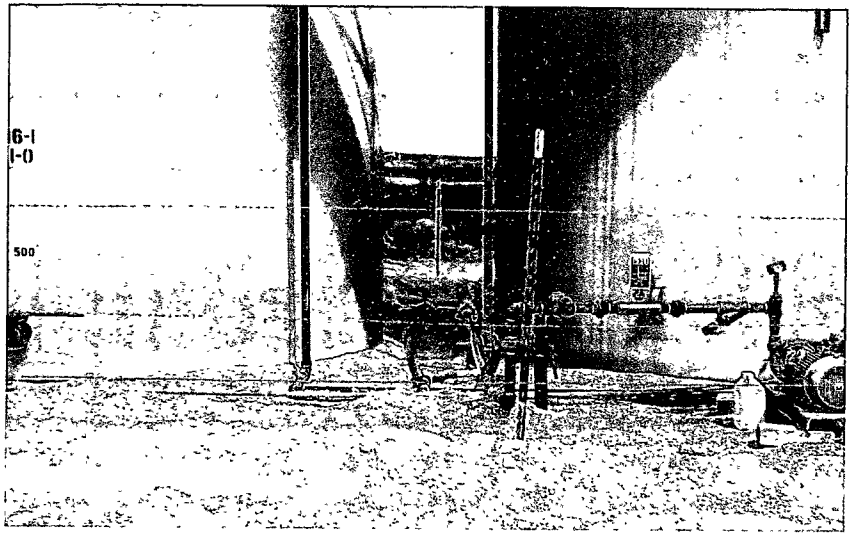


Photo #10 Final View of Cleaned Up Tank Battery

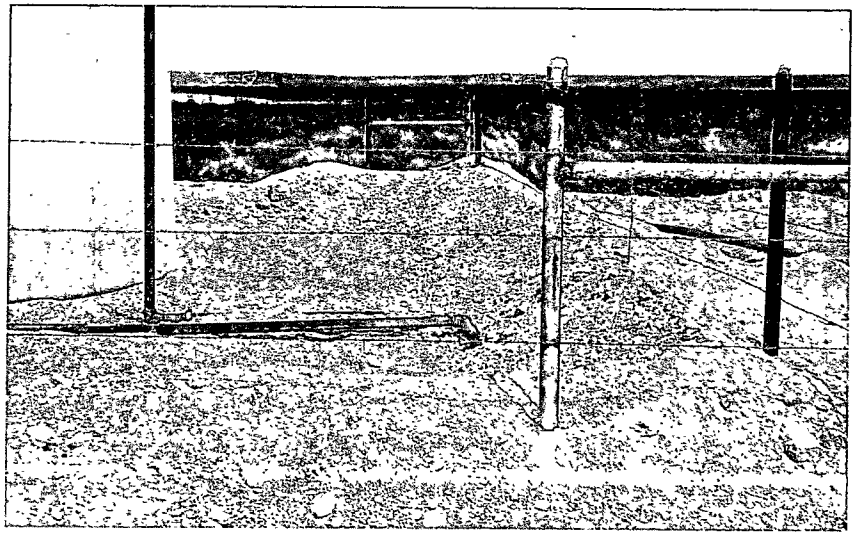


Photo #11 Final View of Cleaned Up Tank Battery

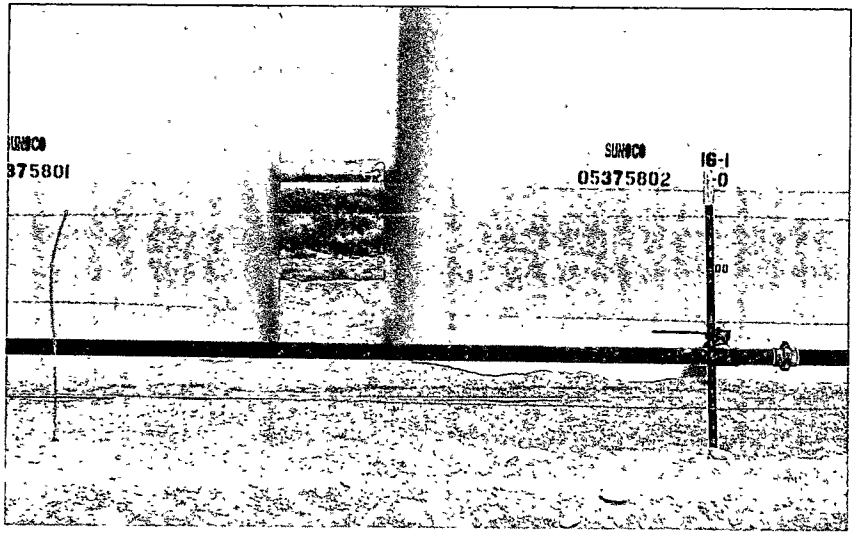


Photo #12 Final View of Clean Up