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

State of New Mexico
Energy Minerals and Natural Resources

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

RECEIVED
APR 27 2010
HOBBSOCD

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Apache Corporation	Contact Natalie Gladden
Address P.O. Box 1849 Eunice, NM	Telephone No. 575-390-4186
Facility Name Big Kick #1 Tank Battery	Facility Type Production Facility

Surface Owner McCasland	Mineral Owner State of NM	Lease No. 30-025-36745

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	13	20S	38E	660'	FNL	1650	FWL	Lea

Latitude_32deg 34'-42.4"-N_ **Longitude**_103deg 06'-18.5"-W_

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 30	Volume Recovered 10
Source of Release Vacuum Truck	Date 07/14/2009	Date 07/14/2009
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Natalie Gladden	Date and Hour 07/14/2009 11am	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A Pate Trucking vacuum truck was loading the truck from the load line and the hose from the truck that was hooked to the load line came off causing produced water to be released out on the ground.

Describe Area Affected and Cleanup Action Taken.*
Approx 10bbls of fluid was recovered. Pate Trucking paid for the remediation and hired Phoenix Environmental. NMOCD rules and regulations will be followed to close.

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: Natalie Gladden	OIL CONSERVATION DIVISION
Printed Name: Natalie Gladden	Approved by District Supervisor: ENVIRONMENTAL ENGINEER
Title: EH&S Environmental Tech	Approval Date: 4.28.10 Expiration Date: ———
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval: Attached ☐ IRP #10-4. 2497
Date: 02/24/10 Phone: 575-390-4186	

* Attach Additional Sheets If Necessary

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

State of New Mexico
Energy Minerals and Natural Resources

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

RECEIVED
APR 27 2010
HOBBSOCD

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Apache Corporation	Contact Natalie Gladden
Address P.O. Box 1849 Eunice, NM	Telephone No. 575-390-4186
Facility Name Big Kick #1 Tank Battery	Facility Type Production Facility

Surface Owner McCasland	Mineral Owner State of NM	Lease No. 30-025-36745

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	13	20S	38E	660'	FNL	1650	FWL	Lea

Latitude_32deg 34'-42.4"-N_ **Longitude**_103deg 06'-18.5"-W_

WTR 35'

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 30	Volume Recovered 10
Source of Release Vacuum Truck	Date 07/14/2009	Date 07/14/2009
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Natalie Gladden	Date and Hour 07/14/2009 11am	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A Pate Trucking vacuum truck was loading the truck from the load line and the hose from the truck that was hooked to the load line came off causing produced water to be released out on the ground.

Describe Area Affected and Cleanup Action Taken.*
Approx 10bbls of fluid was recovered. Pate Trucking paid for the remediation and hired Phoenix Environmental. NMOCD rules and regulations will be followed to close.

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: Natalie Gladden	OIL CONSERVATION DIVISION	
Printed Name: Natalie Gladden	Approved by District Supervisor:	
Title: EH&S Environmental Tech	Approval Date:	Expiration Date:
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval:	Attached ☐
Date: 07/15/2009 Phone: 575-390-4186		

* Attach Additional Sheets If Necessary

Big Kick #1 Tank Battery

Located in Unit Letter C, SEC. 13, T20S, R38E of Lea Co., NM

GPS Reading of 32°-34'-42.4"-N & 103°-06'-18.5"-W

API # 30-025-36745

Spill Remediation Report

RECEIVED
APR 27 2010
HOBBSOCD

Presented to:

Apache Corp.

612 S Yale, Suite 1500
Tulsa, OK 74136

C/O Pate Trucking
P.O. Box 760
Denver City, Texas 79323

Prepared by:

Phoenix Environmental, LLC.

P.O. Box 1856
Hobbs, New Mexico 88240

TABLE OF CONTENTS

Item ***Pages(s)***

IMPORTANT NOTICE:

Phoenix Environmental, LLC. With offices at 2113 French Drive, Hobbs, New Mexico 88241 (the Company), has prepared this project report for remediation of Big Kick #1, to the best of its ability. No warranty, expressed or implied, is made or intended. The report was prepared for Apache Corp., with offices at 612 S Yale Suite 1500. Tulsa OK. 74136 and (the Client). All information disclosed in this plan is for internal purposes only and is considered confidential. By accepting this document, the recipient agrees to keep confidential the information contained herein. The recipient further agrees not to copy, reproduce or distribute to any third party this project plan in whole or in part, without express written permission from the Company or Client.

SECTION I

Project Overview

Phoenix Environmental, LLC. (Phoenix) was contracted by Rusty Weaver with Pate Trucking to consult and oversee the clean up on the Big Kick #1 Tank Battery owned by Apache Corp. and is located at UL C, Sec 13, T20S, R38E of Lea County New Mexico with a GPS Reading: 32°-34'-42.4"N & 103°-06'-18.5"W with an elevation of 3563 above sea level. The land, in and around the site, is primarily used as pasture for cattle and the production of oil and gas.

The potential contaminates of concern were mid- to high-level concentrations of produce water containing elevated chlorides that were lost due to the driver with Pate Trucking not watching hoses while loading produce water from load line and hose came unhook from load line causing produce water to leak onto ground.

The ground water depth data available from the State of New Mexico Engineers' office showed the vertical depth to the top of water to be about 34 feet below surface.

Pursuant to the NMOCD guidelines for clean up of unlined surface impoundments, 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 spill was due to the fact that a truck owned by Pate Trucking was loading truck from load line and the hose from truck hooked to load line came off causing produce water to leak onto ground A total of 30 bbls of produce water was spilled onto ground and ran across location and down road 200'. A total of 10 bbls was recovered.

It appeared that approximately 760 cubic yards of impacted soils would have to be removed to complete the excavation of the project. The impacted soils removed from the site would be hauled off-site for disposal at a NMOCD permitted commercial waste disposal facility (Sundance Service Permit # NM01-003).

The bottom of the excavation (approximately 2 feet) was tested for 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 did not impact groundwater.

The spill 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 fresh clean backfill was brought in and placed in the excavation site.

Chronology of Operations

1. *July 14, 2009 – Allen Hodge with Phoenix Environmental LLC met with Rusty Weaver Pate Trucking at the spill site. Allen took photos of the spill site. Allen spoke to Natalie Gladden with Apache Corp. on the phone to inform her and what actions was going to take place. Natalie told Allen she would file C141 with the OCD office and she would notify Mr. Larry Johnson with NMOCD of the spill and let Larry know that Phoenix will be during the cleanup. Phoenix then 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 site. A backhoe and Tack hoe was mobilized to location.*

2. *July 15, 2009 – Crew began excavating impacted soils from the spill site and loaded the soils into trucks. Trucks hauled 40 cubic yards of impacted soils to an NMOCD approved disposal facility. Sundance Services Permit # NM 01-003 was the approved disposal facility.*

3. *July 16, 2009 – Crew continued to excavate impacted soils from the spill site and loaded into trucks. Trucks hauled 260 cubic yards of impacted soil off site for disposal. Allen took samples of spill site on the road to check levels. Crew hauled in 180 cubic yards of caliche for backfill.*

4. *July 17, 2009– Crew continued to excavate impacted soils from spill site and loaded into trucks. Trucks hauled 320 cubic yards of impacted soil off site for disposal. Trucks hauled 324 cubic yards of topsoil to location.*

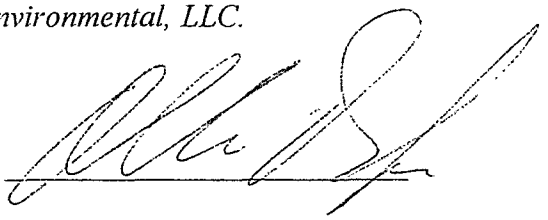
5. *July 20, 2009 – Crew Continued to haul caliche to location for backfill. Spill site excavation areas were cleaned and final samples were taken and sent to a third party laboratory for analysis Chlorides for final verification of the limits met. Truck hauled 140 cubic yards of impacted soils off site for disposal. Fresh topsoil was used to backfill pasture area.*

6. *July 21, 2009 - Crew finished backfilling location. Final contouring and compactions was implemented to return the site back to grade. Contouring was completed with a crown to prevent rainwater ponding. Pasture excavation area was reseed.*

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 II

SUMMARY SOIL ANALYSIS REPORT

Client: Apache Corp
Supervisor: Allen Hodge
Sample Matrix: Soil

Facility: Big Kick #1
Order No.: Tony Shenualt
Samples Received: Intact on site

Interim Project Screening

Sample	Date	Depth	Chlorides	PID TPH	PID BTEX	Location	Test Method
#1	7/24/09	2'	120			Road Area Center	EPA 325.3
#2	7/24/09	2'	<50			Pad Area center	EPA 325.3
#3	7/24/09	2'	60			Southeast Pasture	EPA 325.3
#4	7/24/09	2'	<50			Southwest Pasture	EPA 325.3
#5	7/24/09	2'	100			West Center	EPA 325.3
#6	7/24/09	0-6"	<50			Background	EPA 325.3
#7							
#8							
#9							
#10							
#11							
#12							
#13							
#14							
#15							

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	7/30/09	2'	96			Road Area Center	See Report
#2	7/30/09	2'	16			Pad Area center	See Report
#3	7/30/09	2'	48			Southeast Pasture	See Report
#4	7/30/09	2'	64			Southwest Pasture	See Report
#5	7/30/09	2'	80			West Center	See Report
#6	7/30/09	0-6"	<16			Background	See Report
							See Report

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:
Client: *Apache Corp.*
Supervisor: *Allen Hodge*
Sample Matrix: *Soil*

Facility: **Big Kick #1**
Test Method: *EPA 325.3*
Order No.:
Sample Received: *Intact on site*

Sample	Cl (ppm)	Depth (feet)	Location
#1	*120*	*2'*	*Road Area Center*
#2	*<50*	*2'*	*Pad Area Center*
#3	*60*	*2'*	*Southeast Pasture*
#4	*<50*	*2'*	*Southwest Pasture*
#5	*100*	*2'*	*West Center*
#6	*<50*	*0-6"*	*Background*
#7			
#8			

COMMENTS: *Sample were to check the limits for NMOCD guidelines for clean up of leaks and spills.*

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
PHOENIX ENVIRONMENTAL, LLC
ATTN: ALLEN HODGE
P.O. BOX 1856
HOBBS, NM 88241
FAX TO: (575) 391-9687

Receiving Date: 07/29/09
Reporting Date: 07/30/09
Project Owner: APACHE
Project Name: BIG KICK TANK BATTERY
Project Location: UL-C-SEC 13-T20S-R38E LEA CO.

Analysis Date: 07/30/09
Sampling Date: 07/24/09
Sample Type: SOIL
Sample Condition: INTACT @ 7°C
Sample Received By: ML
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl^- (mg/kg)
H17895-1	1 - @ 2'	96
H17895-2	2 - @ 2'	16
H17895-3	3 - @ 2'	48
H17895-4	4 - @ 2'	64
H17895-5	5 - @ 2'	80
H17895-6	6 - BACKGROUND @ 0-6"	< 16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods	4500-ClˉB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

07/30/09
Date

H17895 PHOENIX

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(575) 393-2326 Fax (575) 393-2476

Company Name:	PHOENIX ENVIRONMENTAL LLC
Project Manager:	ALLEN HODGE
Address:	PO BOX 1856
City:	HOBBS State: NM Zip: 88241
Phone #:	391-9685 Fax #: 391-9687
Project #:	Project Owner: APACHE
Project Name:	BIG KICK TANK BATTERY
Project Location:	UL-G -SEC 13 - T20S - R38E LEA CO
Sampler Name:	Allen Hodge

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	PRESERV.: ACID/BASE	ICE / COOL	OTHER	SAMPLING: DATE	TIME	CL Chlorides
H17895-1	1 - @ 2'	G	1			X					X		7-21-09	8:00	X
-2	2 - @ 2'	G	1			X					X			8:20	X
-3	3 - @ 2'	G	1			X					X			8:45	X
-4	4 - @ 2'	G	1			X					X			9:00	X
-5	5 - @ 2'	G	1			X					X			9:15	X
-6	6 - BACKGROUND @ 0-6"	G	1			X					X			9:45	X

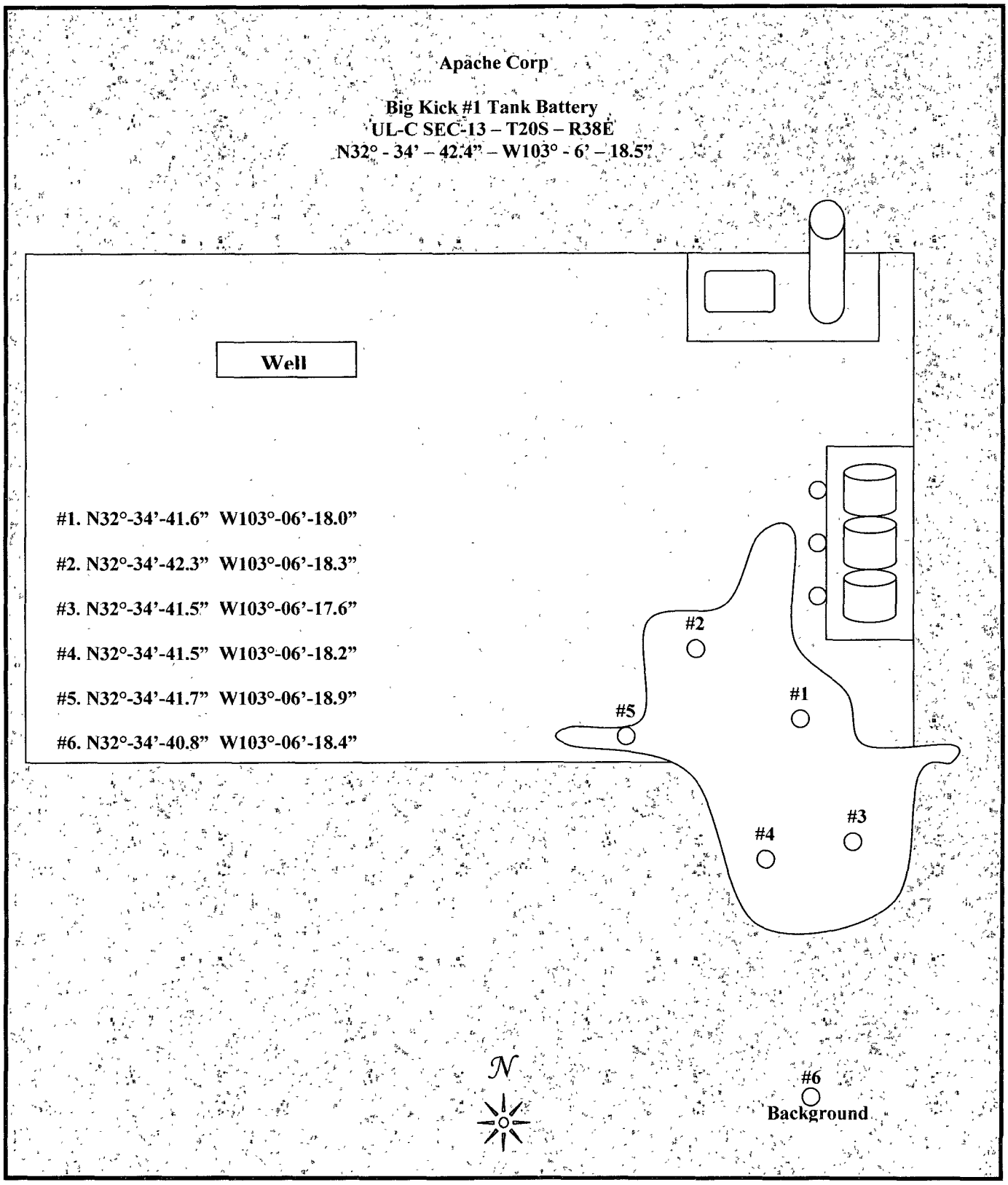
Sampler Relinquished:	Date: 7-29-09	Received By:	Phone Result: ☐ No Add'l Phone #:
Relinquished By:	Time: 1705	Received By:	Fax Result: ☐ No Add'l Fax #:
	Date:		REMARKS: E-MAIL COPY
	Time:		EAHODGE@MYWDO.COM
Delivered By: (Circle One)	Temp.	Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	7.0		

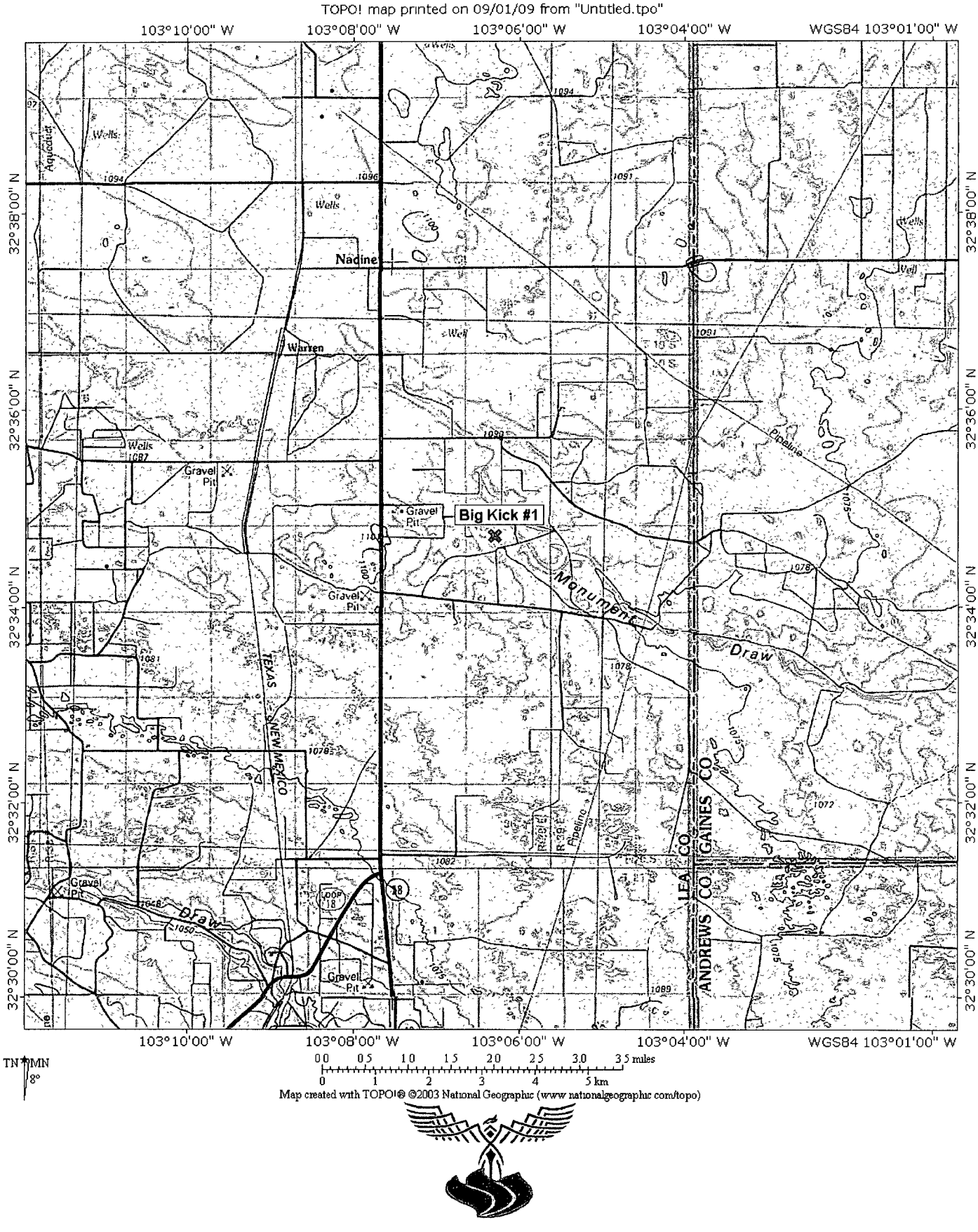
† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

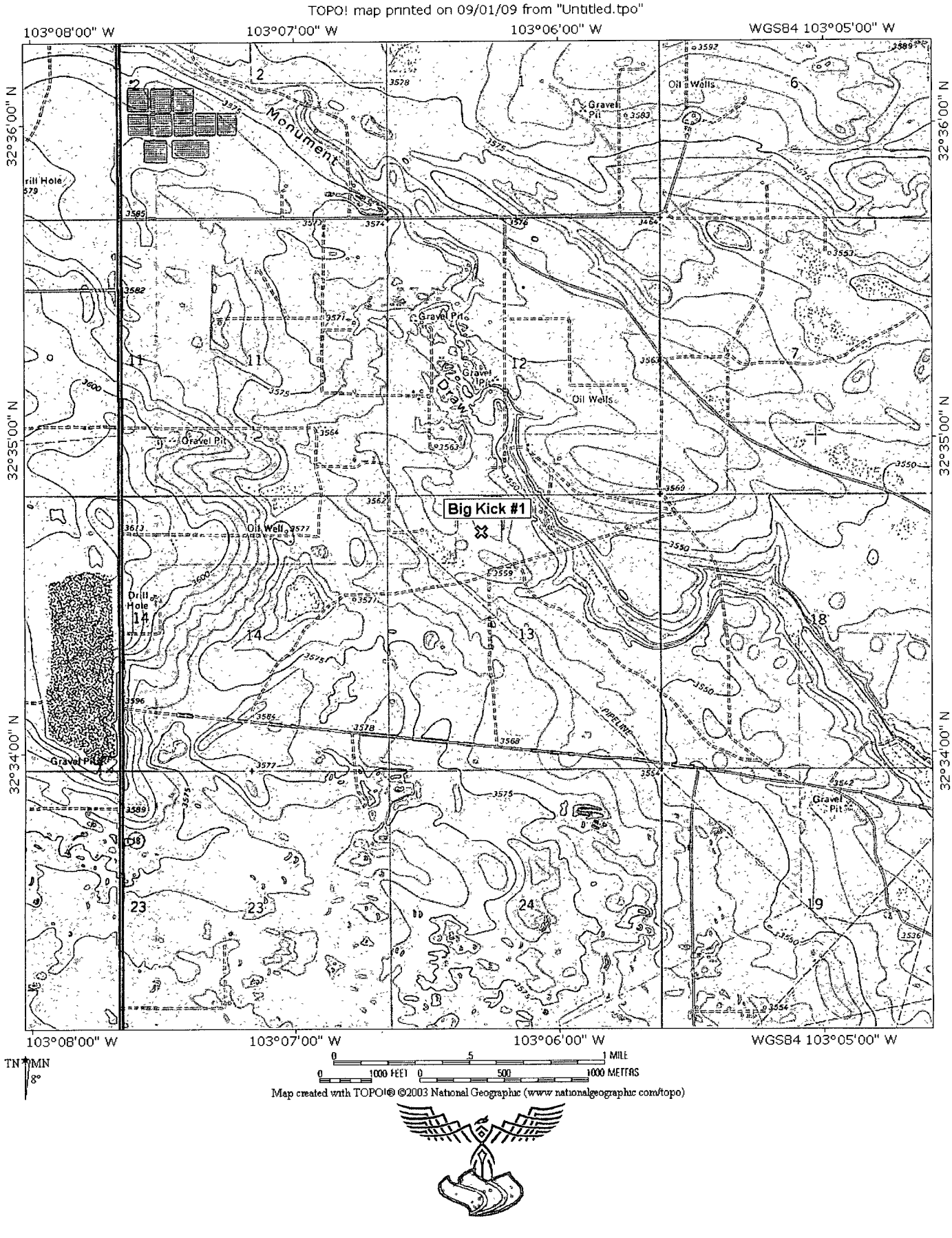
SECTION III

Apache Corp

Big Kick #1 Tank Battery
UL-C SEC-13 – T20S – R38E
N32° - 34' – 42.4" – W103° - 6' – 18.5"




TOPO! map printed on 09/01/09 from "Untitled.tpo"
103°10'00" W
103°08'00" W
103°06'00" W
103°04'00" W
WGS84 103°01'00" W
32°38'00" N
32°36'00" N
32°34'00" N
32°32'00" N
32°30'00" N
Nadine
Warren
Wells
Gravel Pit
Big Kick #1
Monument Draw
TEXAS
NEW MEXICO
LEA CO
GAINES CO
ANDREWS CO
Pipeline
Draw
TN MN
0 1 2 3 4 5 km
0.0 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)


TOPO! map printed on 09/01/09 from "Untitled.tpo"
103°08'00" W
103°07'00" W
103°06'00" W
WGS84 103°05'00" W
32°36'00" N
32°35'00" N
32°34'00" N
Big Kick #1
Monument Draw
Oil Wells
Gravel Pit
Drill Hole
PIPELINE
TN MN
8°
0 5 MILE
0 1000 FEET 0 500 1000 METERS
Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

SECTION IV

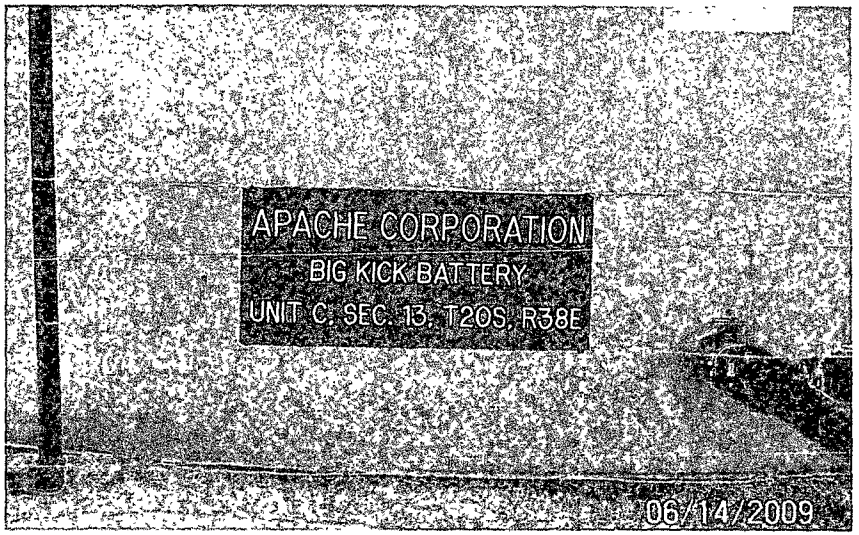


Photo #1 Beginning View of Spill Site

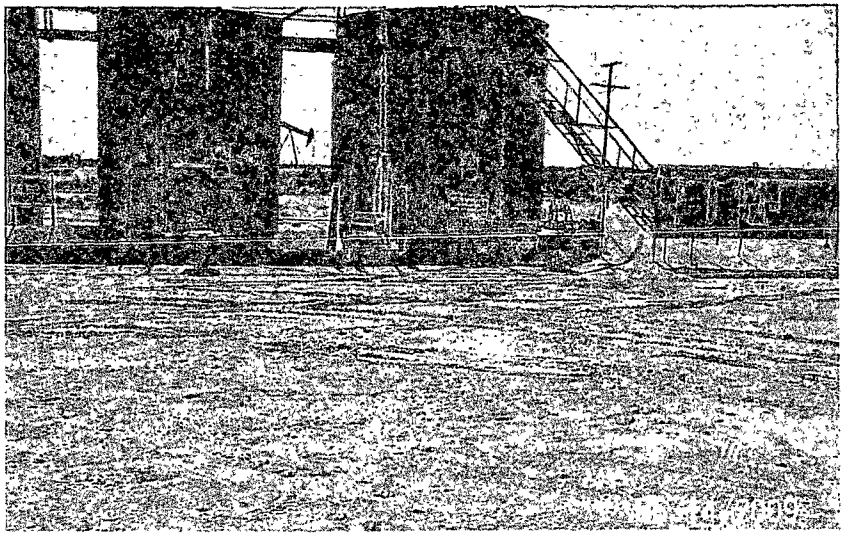


Photo #2 Beginning View of Spill Site

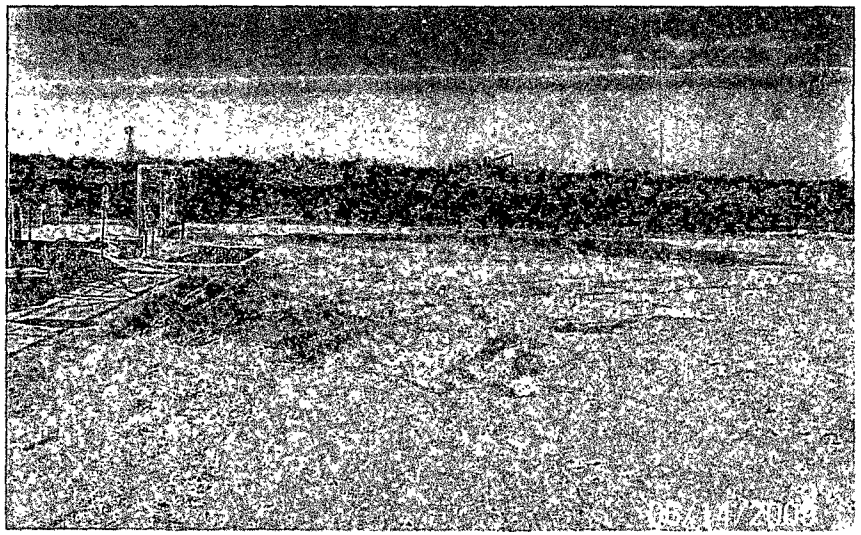


Photo #3 Beginning View of Spill Site

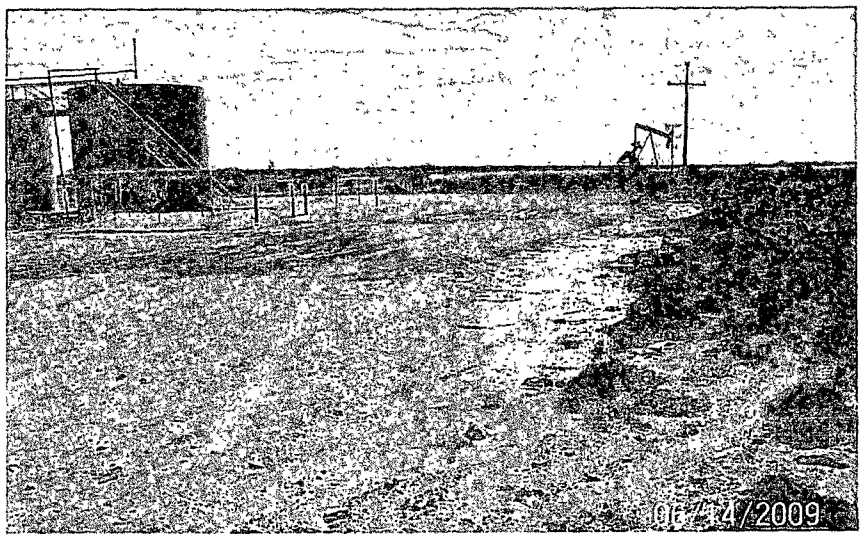


Photo #4 Beginning View of Spill Site

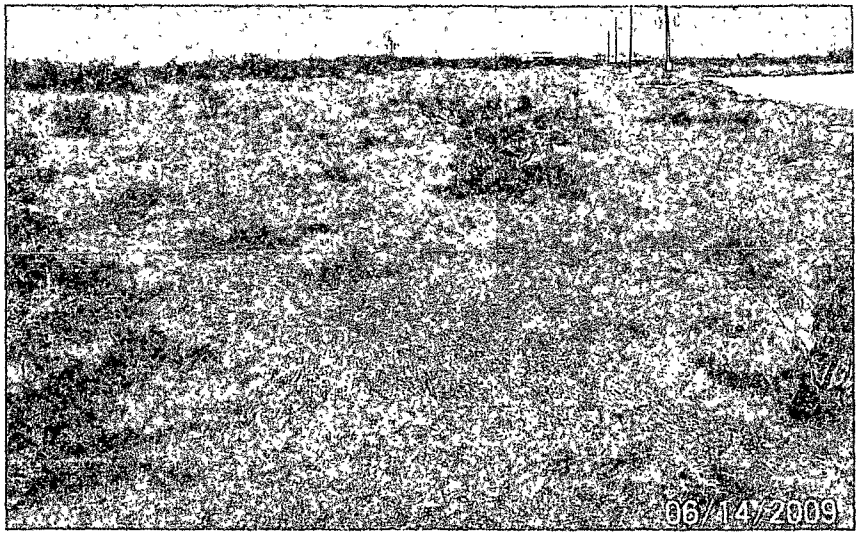


Photo # 5 Beginning View of Spill Site (Pasture)

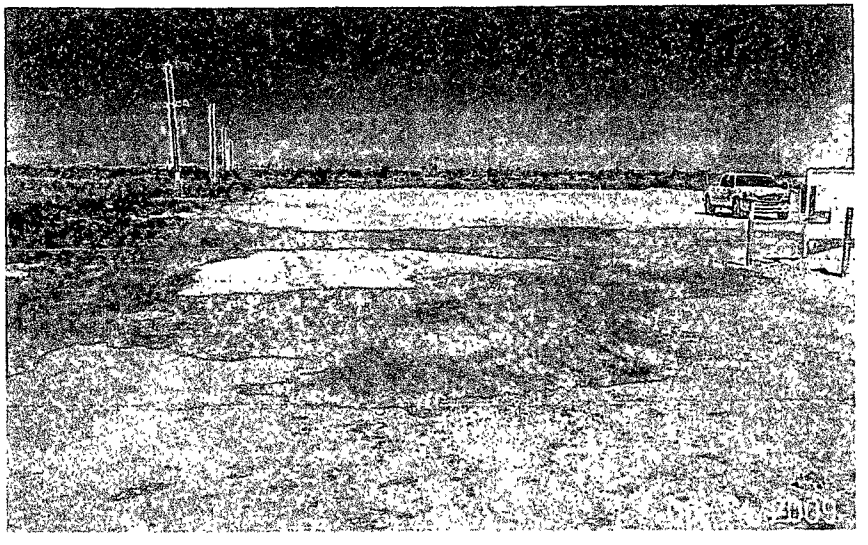


Photo #6 Beginning View of Spill Site (Road)

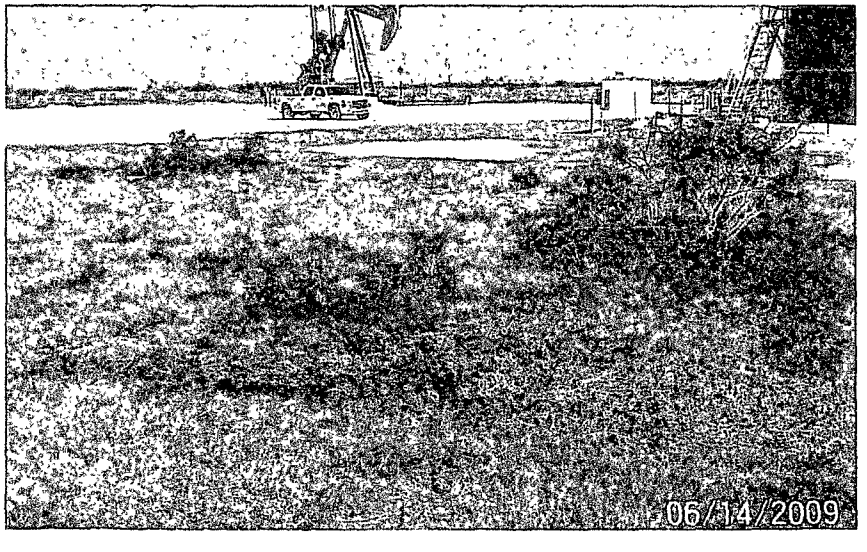


Photo #7 Beginning View of Spill Site (Pasture)

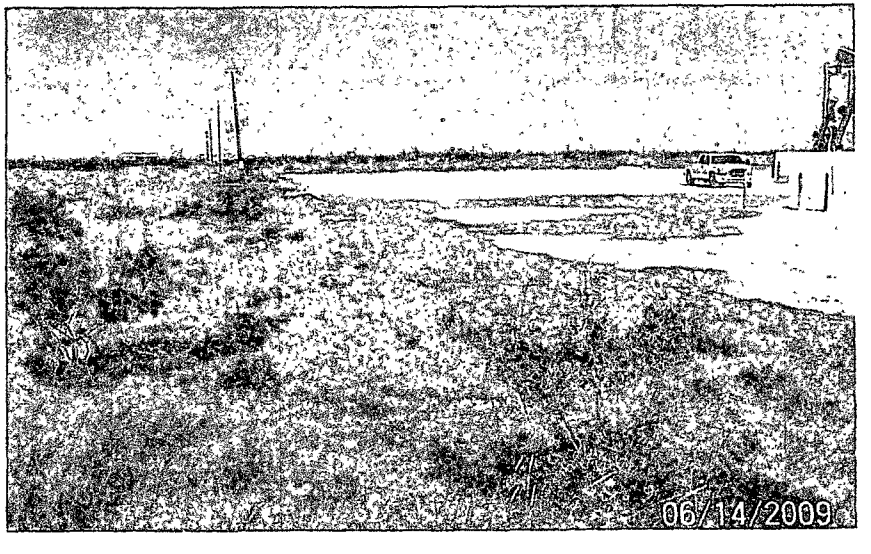


Photo #8 Beginning View of Spill Site

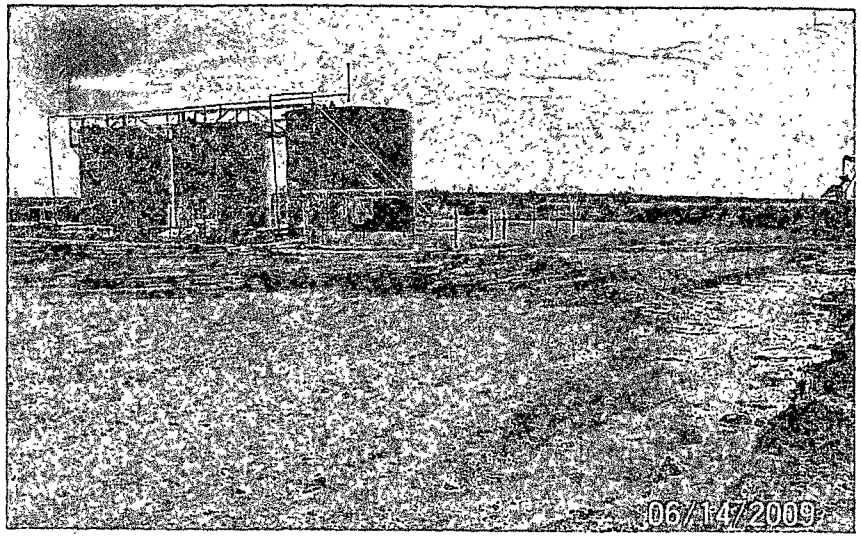


Photo #9 Beginning View of Spill

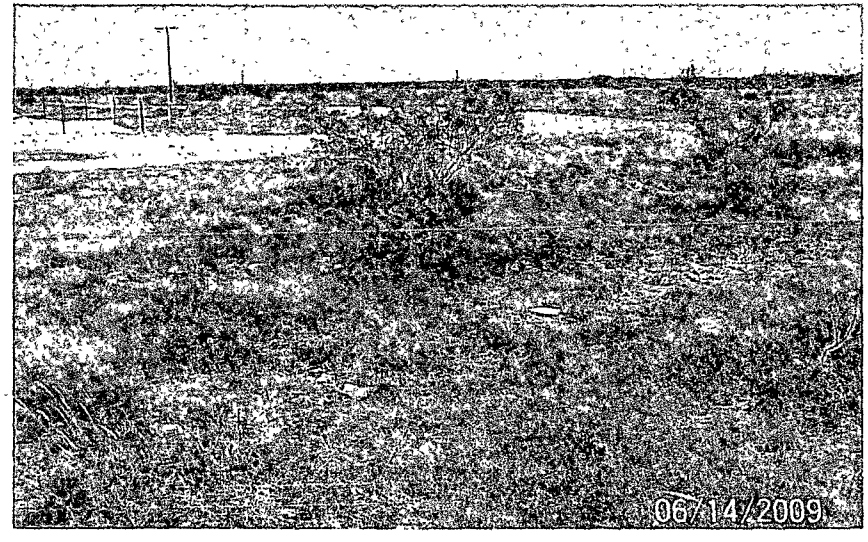


Photo # 10 Beginning View of Spill (Pasture)

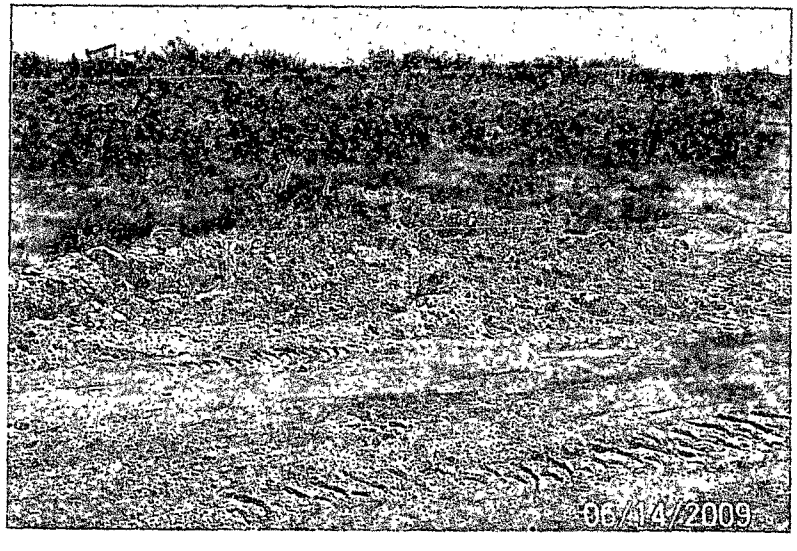


Photo #11 Excavation of Impacted Soils

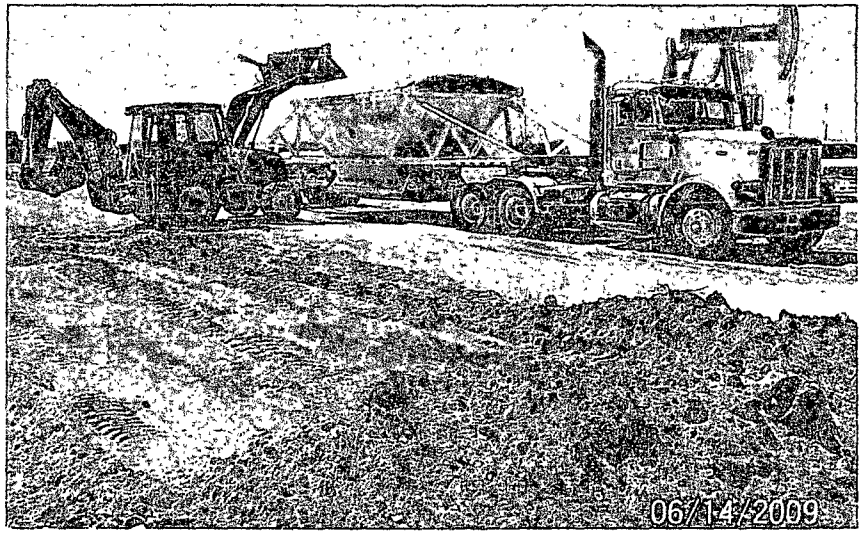


Photo #12 Excavation and Loading of Impacted Soils

Photo #13 Cleaning Up Spill Areas

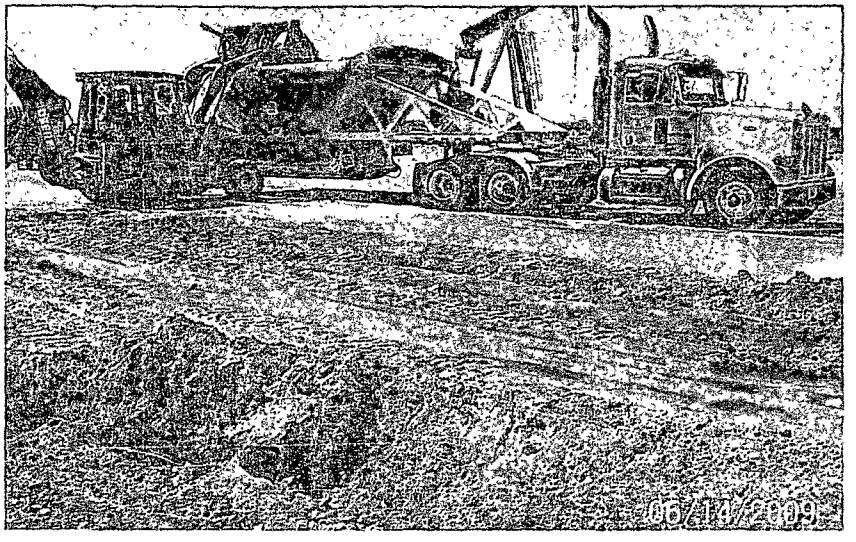


Photo #14 Loading Compact Soil for Off-Site Disposal

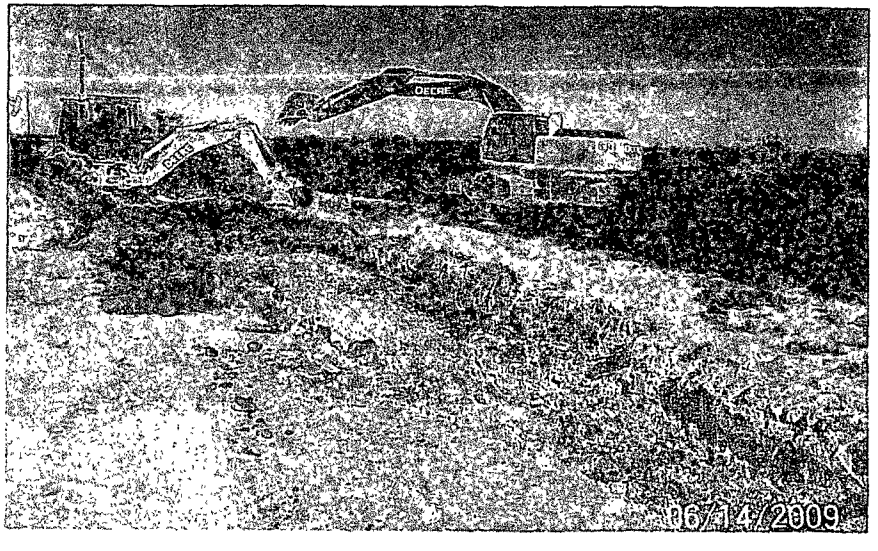


Photo #15 Cleaning Up Spill Areas

Photo #16 Cleaning Up Spill Areas

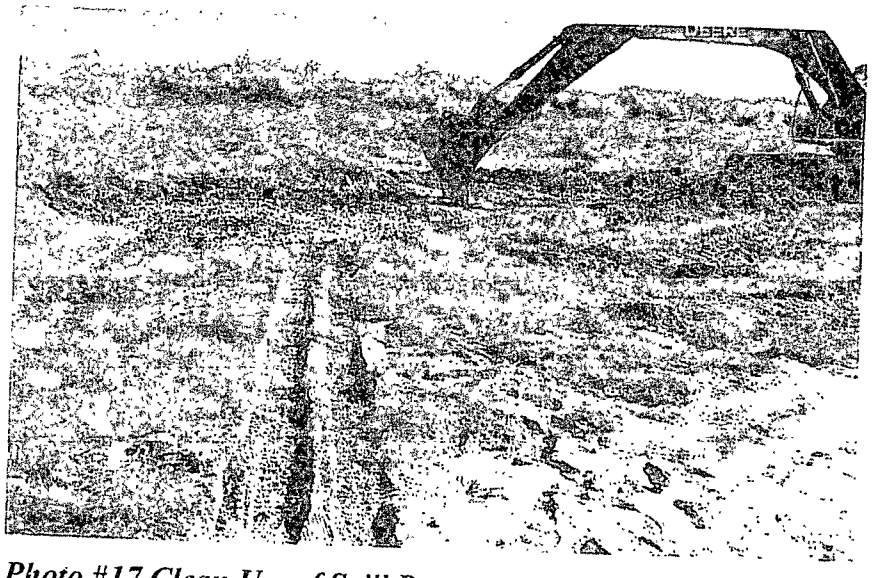


Photo #17 Clean Up of Spill Remediation in Pasture

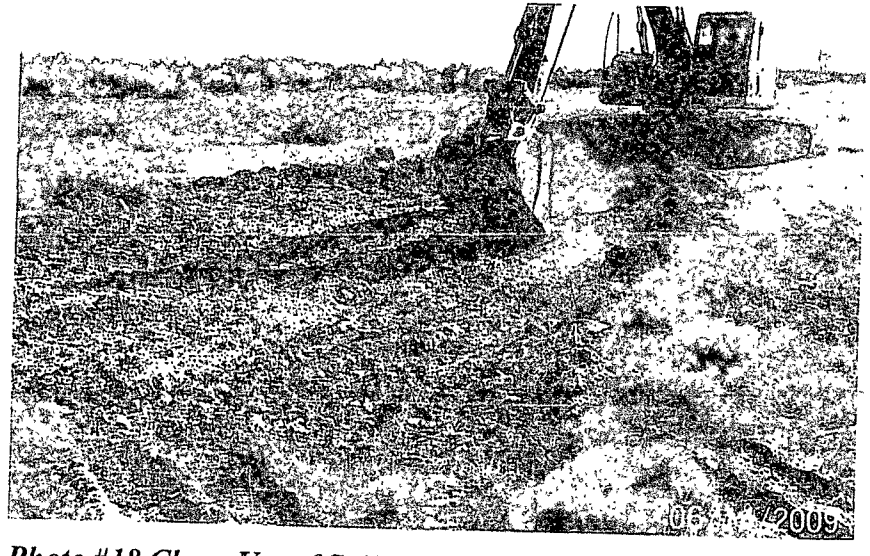


Photo #18 Clean Up of Spill Remediation in Pasture

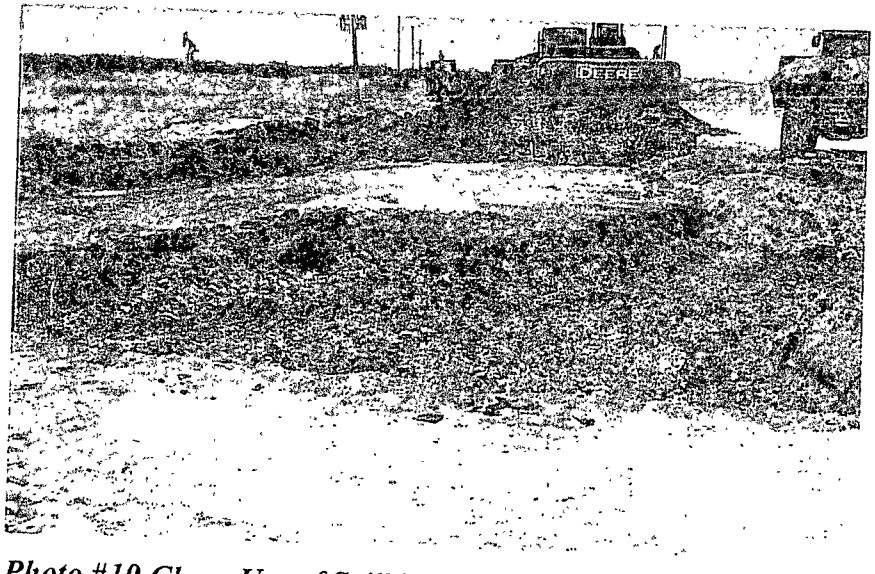


Photo #19 Clean Up of Spill Remediation in Pasture

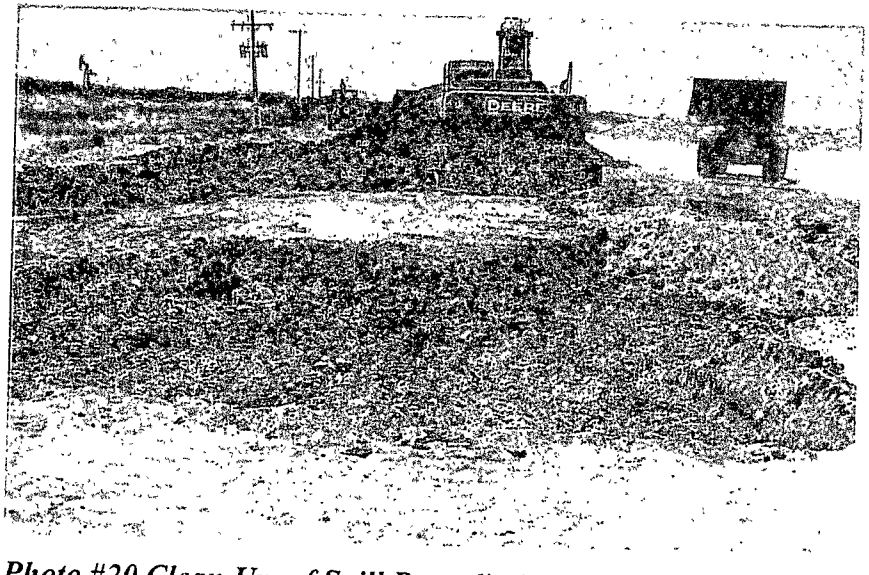


Photo #20 Clean Up of Spill Remediation in Pasture

Photo #21 Cleaning up Spill in Pasture

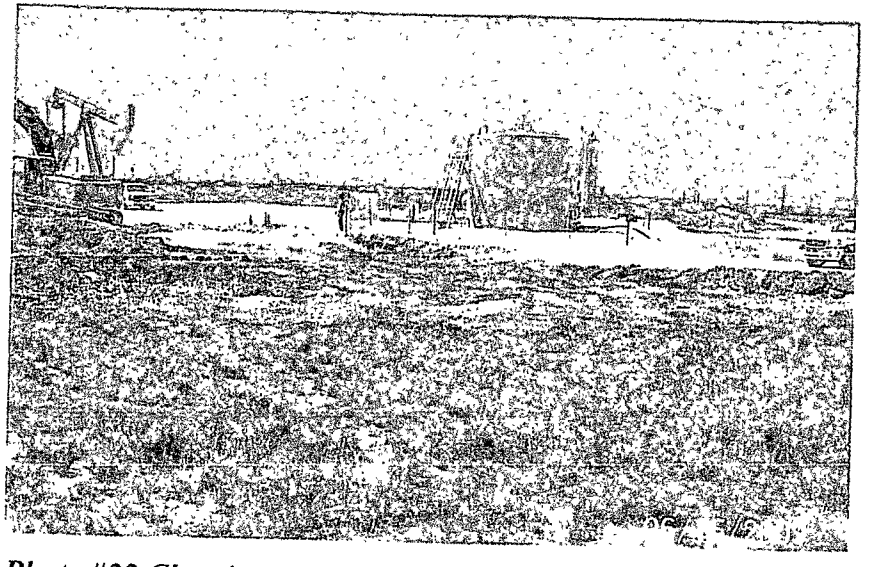


Photo #22 Cleaning up Spill in Pasture

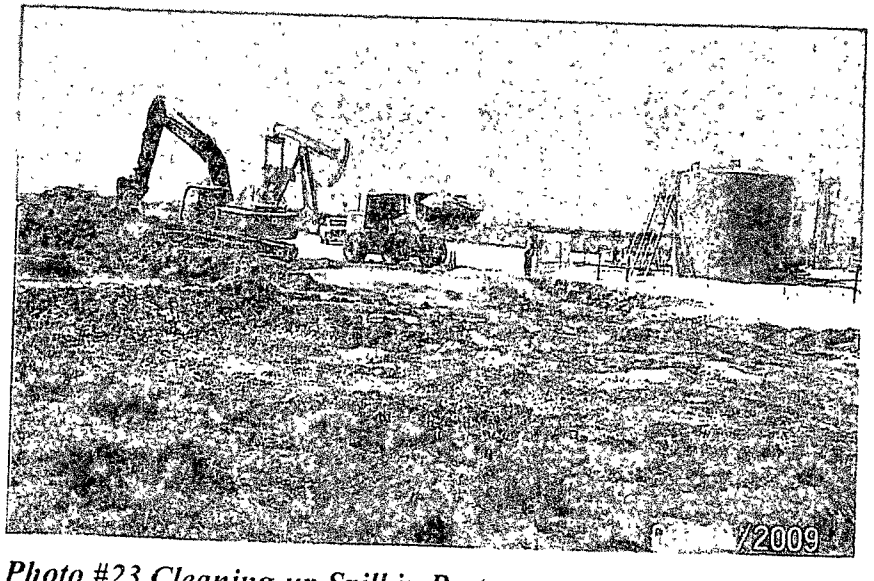


Photo #23 Cleaning up Spill in Pasture

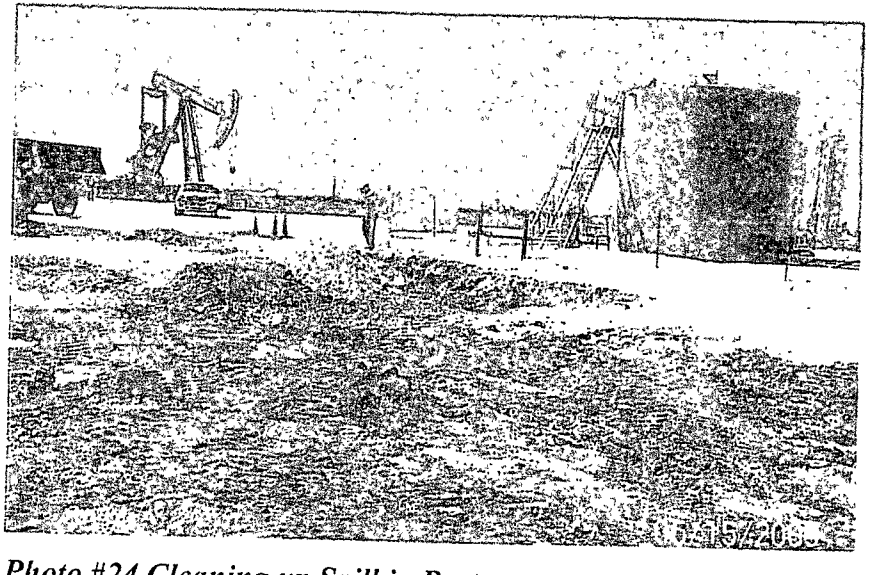


Photo #24 Cleaning up Spill in Pasture

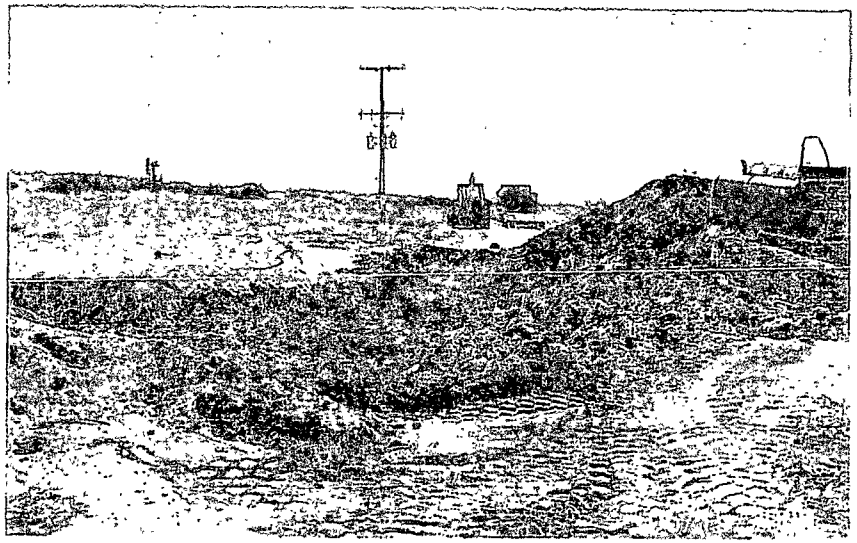


Photo #25 Cleaning Bottoms of Excavated Area

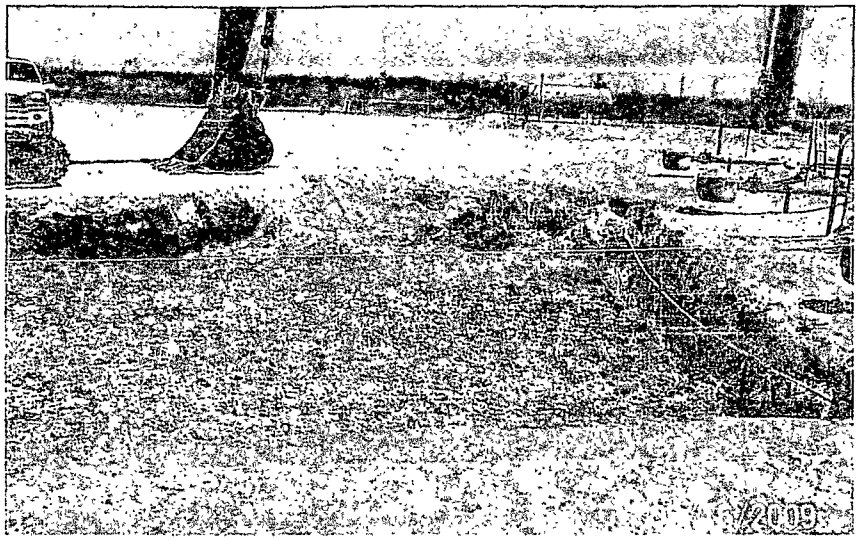


Photo #26 Cleaning Bottoms of Excavated Area

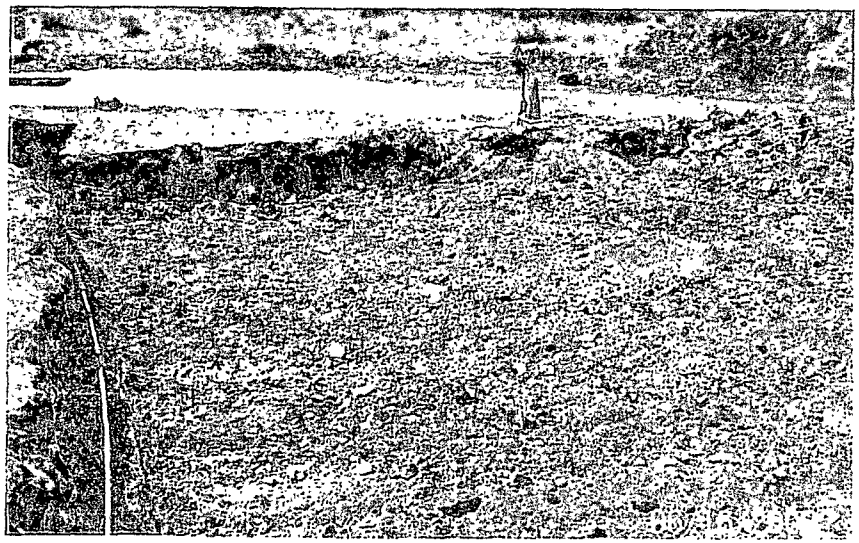


Photo #27 Cleaning Bottoms of Excavated Area

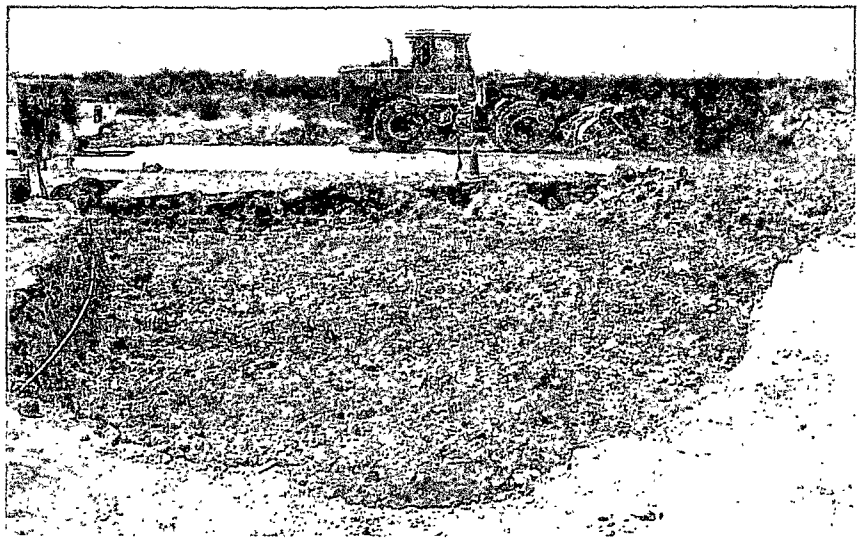


Photo #28 Cleaning Bottoms of Excavated Area

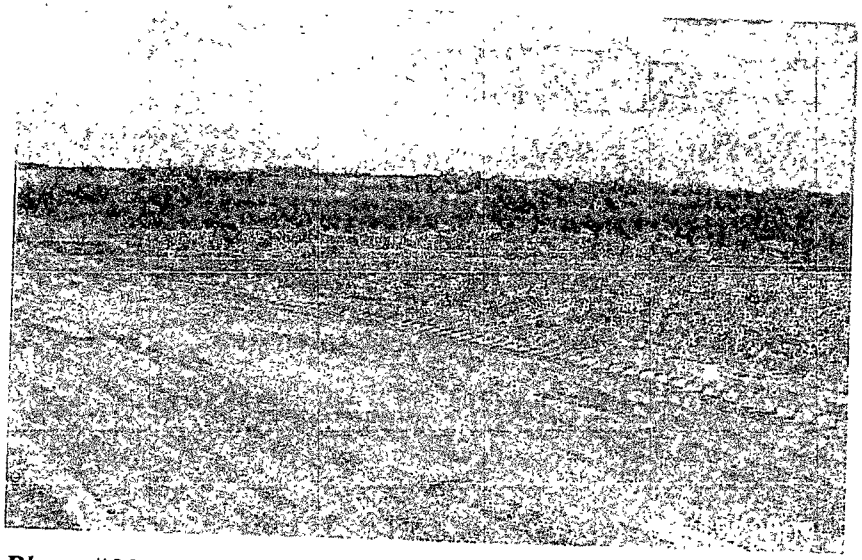


Photo #29 Backfilling Excavated Area

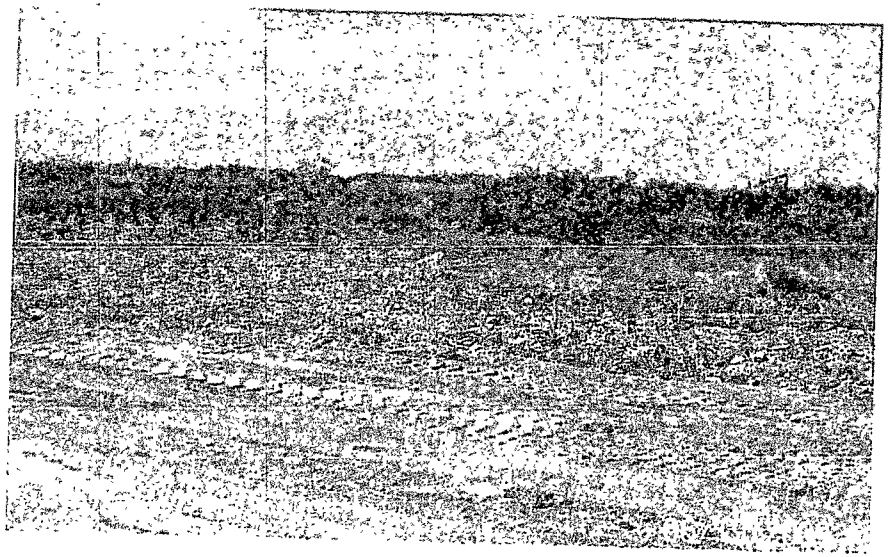


Photo #30 Backfilling Excavated Area

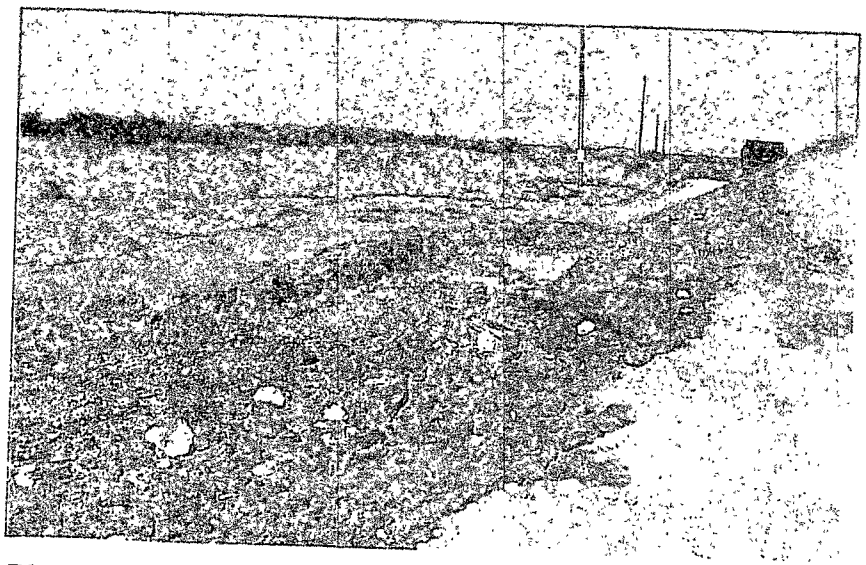


Photo #31 Backfilling Excavated Area

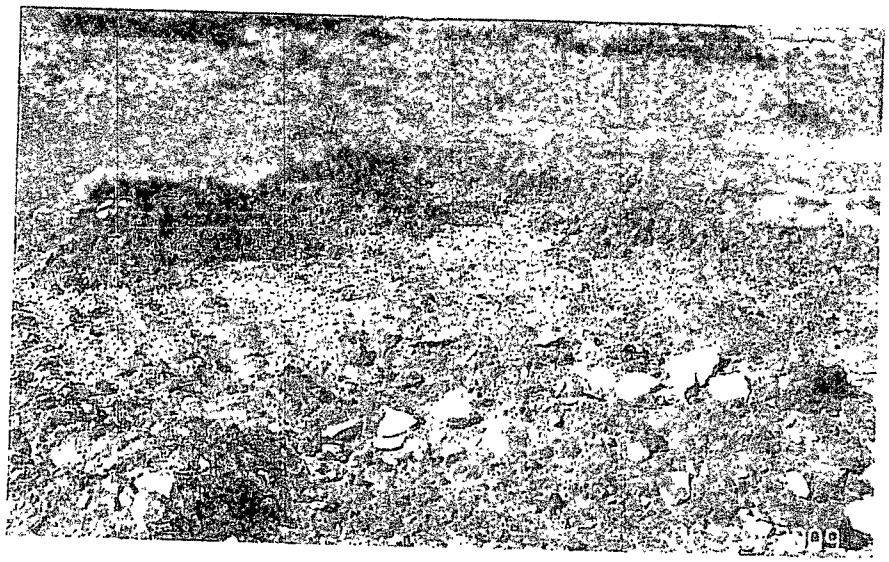


Photo #32 Backfilling Excavated Area

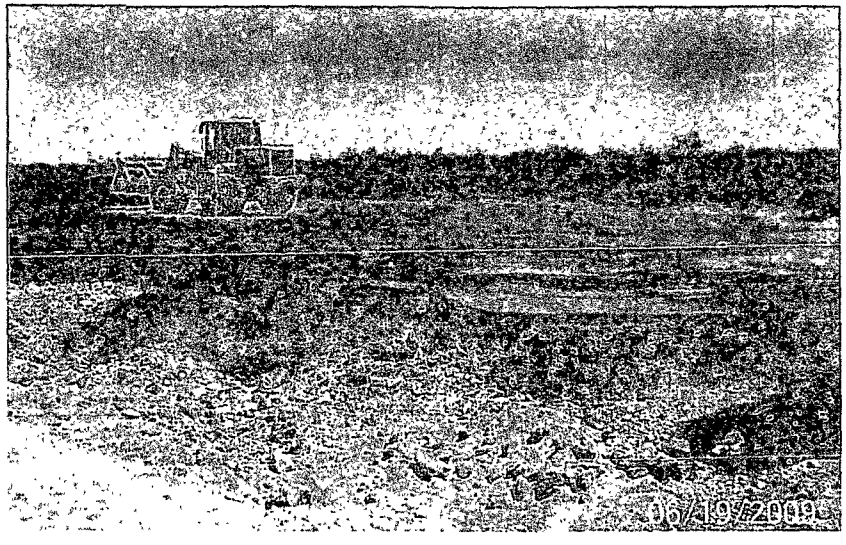


Photo #33 Backfilling of Excavated Area

Photo #34 Backfilling of Excavated Area

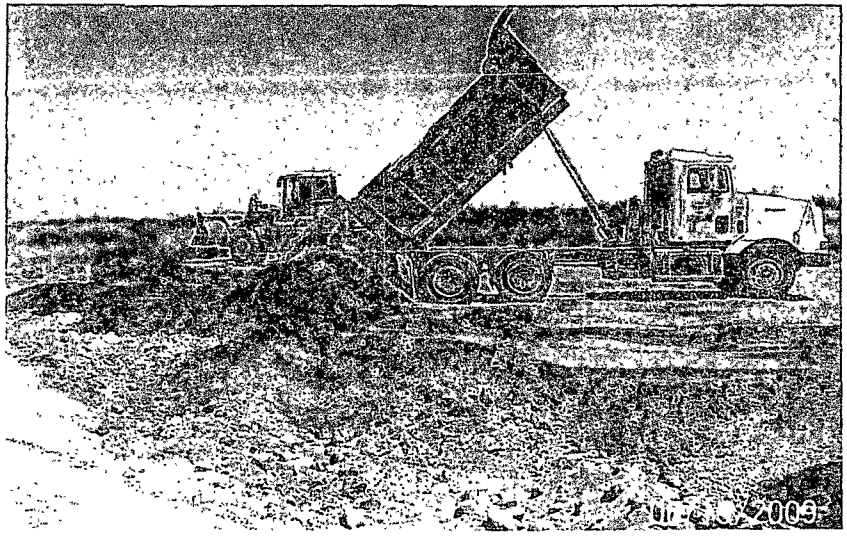


Photo #35 Backfilling of Excavated Area

Photo #36 Backfilling of Excavated Area

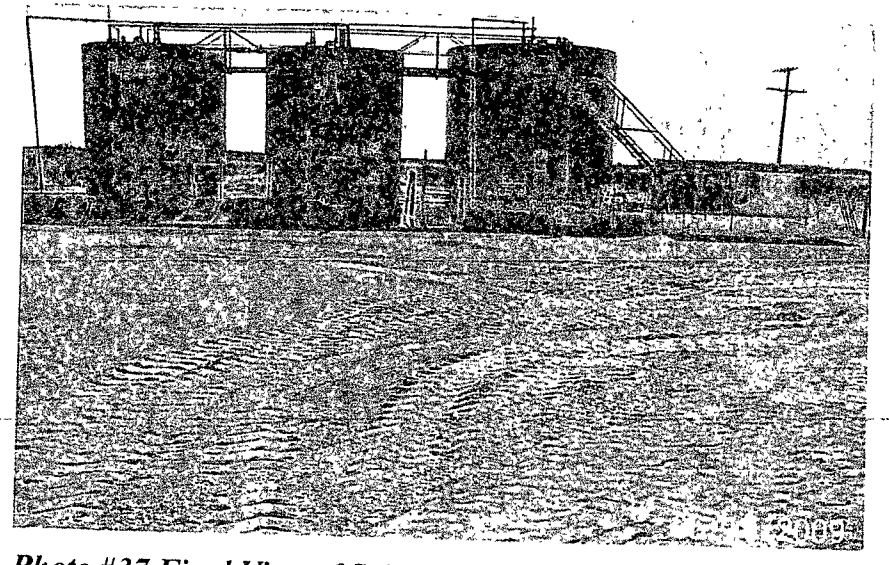


Photo #37 Final View of Spill Remediation

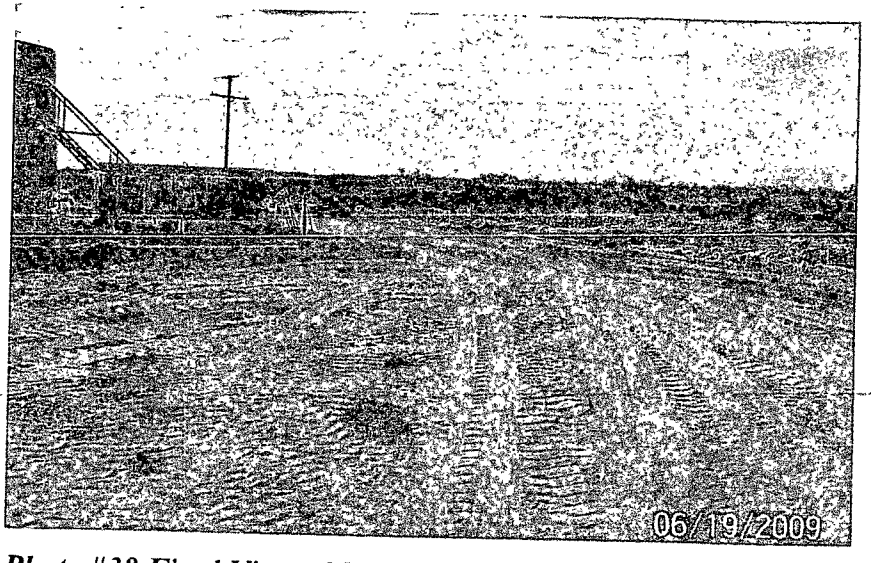


Photo #38 Final View of Spill Remediation

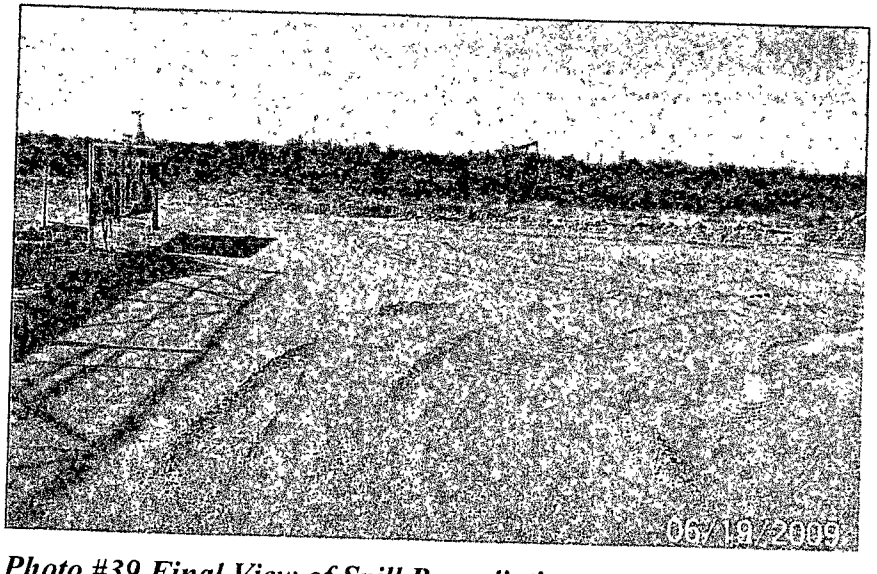


Photo #39 Final View of Spill Remediation

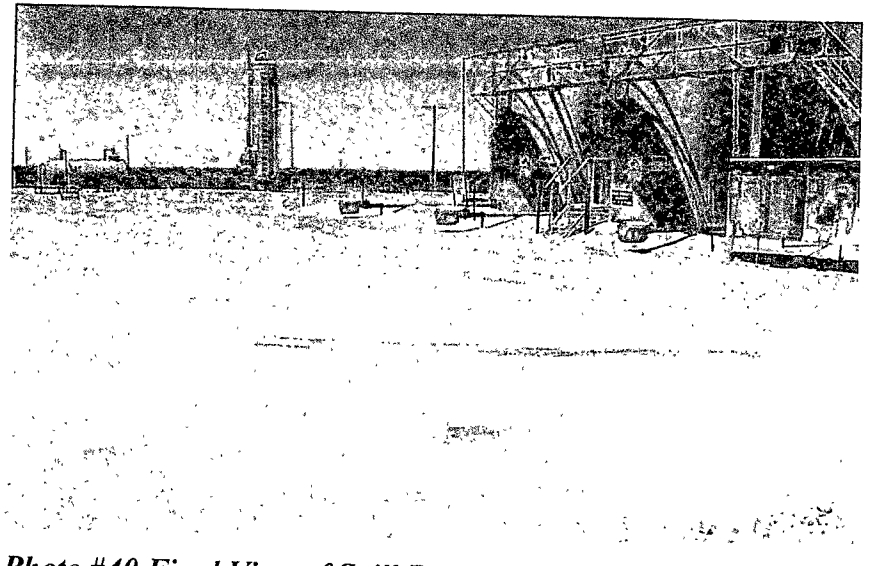


Photo #40 Final View of Spill Remediation

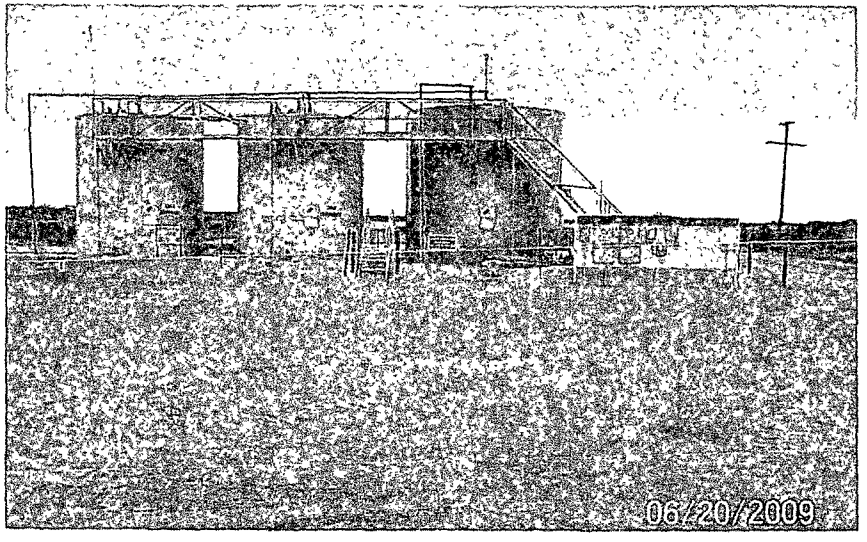


Photo #41 Final View of Spill Remediation

Photo #42 Final View of Spill Remediation

Photo #43 Final View of Spill Remediation

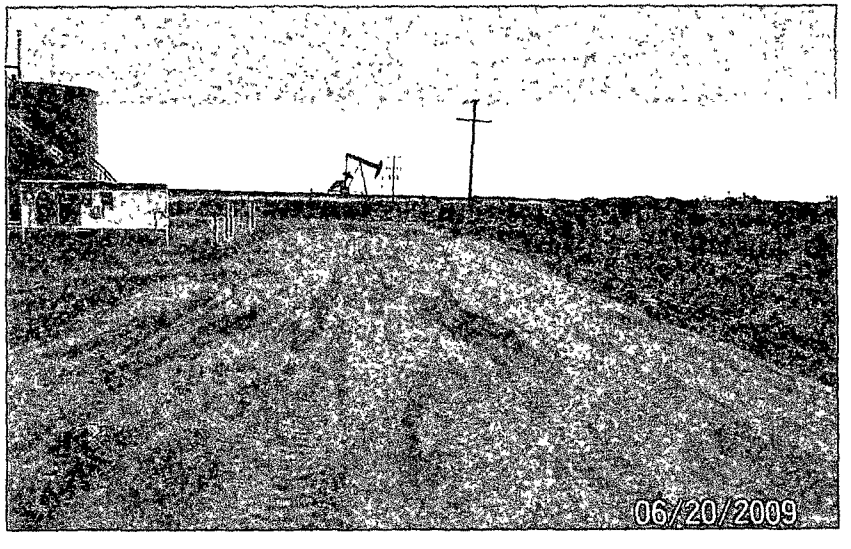


Photo #44 Final View of Spill Remediation

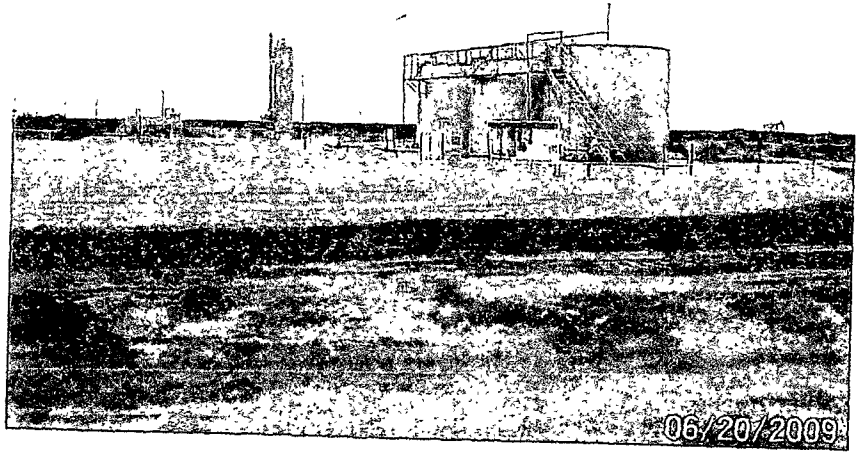


Photo #45 Final View of Spill Remediation

Photo #46 Final View of Spill Remediation

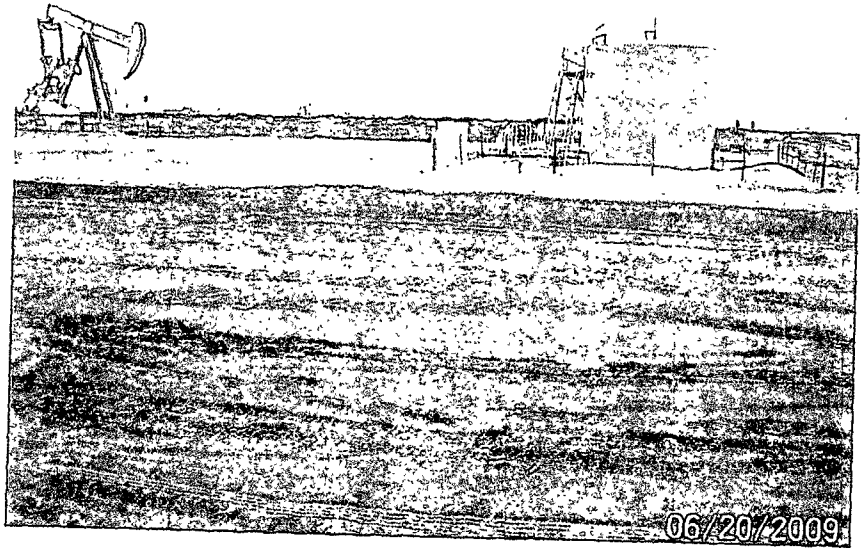


Photo #47 Final View of Spill Remediation

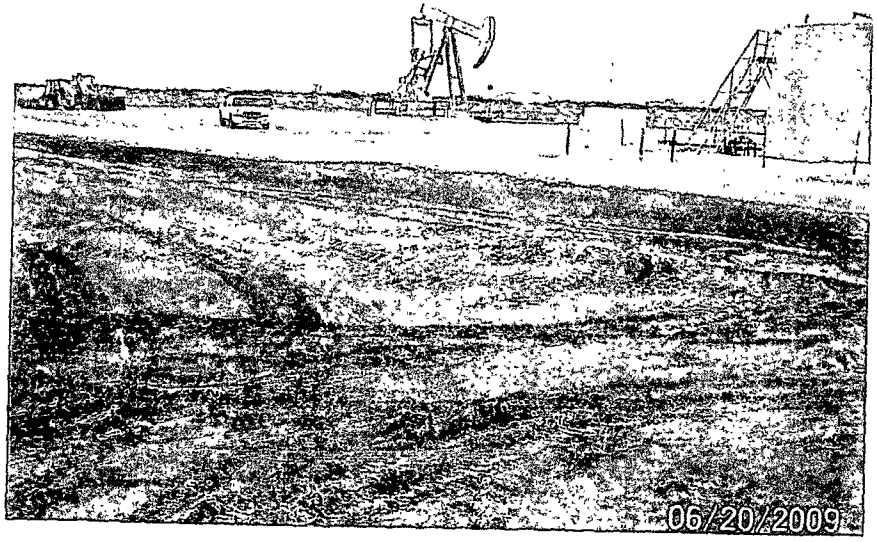


Photo #48 Final View of Spill Remediation