

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

RECEIVED

Form C-141

Revised June 10, 2003

AUG 12 2009

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

HOBBSOCD

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 88231	Telephone No.	575-390-4186
Facility Name	NEDU #225 FL (State Sec 2 #10)		Facility Type	Production Flow Line
Surface Owner	State of NM		Mineral Owner	API No. 30-025-06376

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from South Line	Feet from West Line	Longitude-W	Latitude-N	County
L	2	21S	37E	2310	988	103.1392	32.5071	Lea

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Crude Oil w/ associated Produced Water	Greater than 80 bbl	15 bbl
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Flow Line	09/04/08 AM	09/04/08 2:49PM
Was Immediate Notice Given?	If YES, To Whom?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Not Required	Larry Johnson - NMOCD	
By Whom?	Date and Hour	
Natalie Gladden	09/04/08 3:41PM	
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	NA	

If a Watercourse was Impacted, Describe Fully*

Describe Cause of Problem and Remedial Action Taken. *

Flow line ruptured in pasture coming from the NEDU #225 well and spilled over the caliche pad area for the State Sec 2 #10 well (TA). Vacuum trucks recovered 15-bbl of released fluid. Saturated soil was immediately excavated and disposed of at Sundance Services.

Describe Area Affected and Cleanup Action Taken. *

Approximately 65-bbl of crude oil and associated PW was released onto the well pad area and the adjoining pasture on the north side of the well pad. Areal extent of affected area was ~14,000-ft². Site remediation was accomplished utilizing excavation/disposal, blending and installation of a 20-mil polyvinyl liner over an area exhibiting chloride concentrations 400 to 600-ppm. Remediation was completed by Ocotillo Environmental, LLC., Hobbs, NM.

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:	OIL CONSERVATION DIVISION	
Printed Name:	ENV. ENGINEER Approved by District Supervisor: <i>Jeff Leamy</i>	
Title:	Approval Date: 09/21/09	Expiration Date: —
E-Mail Address:	Conditions of Approval:	<input type="checkbox"/> Attached
Date: 7/27/2009 Phone: 575-390-4186	IRP# 1950	



RECEIVED

AUG 12 2009
HOBBSOCD

NEDU #225 FL/STATE SEC 2 #10 C141 CLOSURE REPORT

API 30-025-06376

**UL-L (SW $\frac{1}{4}$ OF THE NE $\frac{1}{4}$) OF SECTION 2 T21S R37E
LATITUDE: N 32° 30.427' LONGITUDE: W 103° 8.354'
~4.85 MILES NNE (BEARING 12.7°) OF EUNICE
LEA COUNTY, NEW MEXICO**

NMOCD 1RP #1950

July 27, 2009

PREPARED FOR APACHE CORPORATION BY:

**OCOTILLO ENVIRONMENTAL, LLC
JOHN GOOD, PROJECT MANAGER/CONSULTANT
2125 FRENCH DR. HOBBS, NM 88241
OFFICE: (575) 393-6371 J. GOOD: (575) 631-3277**

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1.0 Project Summary

Release Site Name: NEDU 225 FL/State Sec 2 #10
Operating Company: Apache Corporation
Company Representative: Natalie Gladden, Environmental Tech Phone: 575-390-4186
Address: PO Box 1849, Eunice, NM 88231 Email: Natalie.Gladden@usa.apachecorp.com
Remediation Company: Ocotillo Environmental - Hobbs Phone: 575-738-0138

SITE SPECIFIC DATA:

Legal Description: Lea County, New Mexico UL-L Section 2 T21S R37E
General Location: 4.85 miles NNE (12.7°) of Eunice, NM.
Latitude: N32° 30.427' Longitude: W103° 8.354' Elevation: 3,476-ft amsl
Land Ownership: State of NM
Ground Water Elevation: 70-ft bgs (Contour map)
Water Wells within 1000-ft: none Surface Water within 1000-ft: none

RELEASE SPECIFIC DATA:

Date and Time of Release(s): 09/04/08 –AM
Material Released: Crude oil and associated produced water
Volume Released: ~80-bbl Volume Recovered: 15-bbl
Cause of Release: loss of integrity – flow line
Release Affected Area: ~14,000-ft²
Depth of Contamination: 20-ft bgs
NMOCD Site Ranking: 10 (ground water 50-ft below lowest contamination)

Remediation Action Levels: TPH: 1000-ppm; Benzene: 10-ppm; BTEX: 50-ppm; Cl – 250-ppm

REMEDIATION SUMMARY:

Subsequent to vacuum removal of 15-bbl of released fluid, 425-yd³ of saturated soil was excavated (by CW's Backhoe Service) and disposed of at Sundance Services. Remediation of the release site was completed with the excavation/disposal of an additional 840-yd³ of contaminated soil. Remaining chloride contaminated soil was excavated and stockpiled. A composite sample of this stockpiled material indicated a chloride concentration of ~1000-ppm. This material was blended 1:1 with clean soil to achieve an average chloride concentration of ~500-ppm. This blended material was utilized to backfill the 25-ft excavated area on the north side of the location near the POR. This area was then covered with a 96' X 60' 20-mil polyvinyl liner (5-ft overlap). The entire site was then covered with a 3-ft layer of clean topsoil purchased from McNeill Ranch.

2.0 Detailed Site Description

2.1 Geological Description

The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-Water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961, describes the near surface geology of southern Lea County as "an inter-grade of the Quaternary Alluvium (QA) sediments, i.e., fine to medium sand, with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick inter-bed of caliche and generally overlain by sandy soil." The release site is located in the Eunice Plain physiographic subdivision, described by Nicholson & Clebsch as "covered almost entirely by reddish-brown dune sand. In some places the underlying surface consists of alluvial sediments – most commonly calcareous silt in buried valleys or Quaternary lake basins. It has a general southeast slope toward Monument Draw." The sand cover is generally 2 to 5-ft thick, but can be 20 – 30-ft thick in localized drift areas."

2.2 Ecological Description

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of hummocky sand hills covered with Harvard Shin Oak (*Quercus harvardi*) interspersed with Honey Mesquite (*Prosopis glandulosa*) along with typical desert grasses, flowering annuals and flowering perennials. Mammals represented, include Orrd's and Merriam's Kangaroo Rat, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, Mule Deer, Bobcat, Red Fox and Coyote. Reptiles, Amphibians, and Birds are numerous and typical of the area. A survey of Listed, Threatened, or Endangered species was not conducted.

2.3 Area Ground Water

The Chevron-Texaco water contour map (*Plate 4 of Attachments*) indicates that water in this area is 70' bgs.

2.4 Area Water Wells

There are no recorded or observed water wells within 1000 horizontal feet of the site.

2.5 Area Surface Water Features

No permanent surface water bodies exist within 1000 horizontal feet of the site.

3.0 Contaminant and Size of Area

The primary Contaminants of Concern (COC's) were crude oil and total chlorides. The approximate areal extent of the release was 14,400-ft².

4.0 NMOCD Site Ranking

Contaminant delineation and site evaluation work done at this site indicate that the chemical parameters of the soil and the physical parameters of the ground water were characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the following New Mexico Oil Conservation Division (NMOCD) publications:

- *Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)*
- *Unlined Surface Impoundment Closure Guidelines (February 1993)*

Acceptable thresholds for contaminants/constituents of concern (CoCs), i.e., TPH^{8015m}, Benzene, and the mass sum of Benzene, Toluene, Ethyl Benzene, and total Xylenes (BTEX⁸²⁶⁰), was determined based on the NMOCD Ranking Criteria as follows:

- *Depth to Ground water, i.e., distance from the lower most acceptable concentration to the ground water.*
- *Wellhead Protection Area, i.e., distance from fresh water supply wells.*
- *Distance to Surface Water Body, i.e., horizontal distance to all down gradient surface water bodies.*

Based on the proximity of the site to area water wells, surface water bodies, and depth to ground water from the lower most contamination, the NMOCD ranking score for the site is 10 points with the soil remedial goals highlighted in the Site Ranking Table.

SITE RANKING TABLE

1. GROUND WATER		2. WELLHEAD PROTECTION		3. DISTANCE TO SURFACE WATER	
DEPTH TO GW <50 FEET: 20 POINTS		IF <1000' FROM WATER SOURCE, OR; <200' FROM PRIVATE DOMESTIC WATER SOURCE: 20 POINTS		<200 HORIZONTAL FEET: 20 POINTS	
DEPTH TO GW 50 TO 99 FEET: 10 POINTS				200-1000 HORIZONTAL FEET: 10 POINTS	
DEPTH TO GW >100 FEET: 0 POINTS		IF >1000' FROM WATER SOURCE, OR; >200' FROM PRIVATE DOMESTIC WATER SOURCE: 0 POINTS		>1000 HORIZONTAL FEET: 0 POINTS	
GROUND WATER SCORE = 10		WELLHEAD PROTECTION SCORE= 0		SURFACE WATER SCORE= 0	
SITE RANK (1+2+3) = 10 + 0 + 0 = 20 POINTS					
TOTAL SITE RANKING SCORE AND ACCEPTABLE REMEDIAL GOAL CONCENTRATIONS					
PARAMETER	20+	10		0	
BENZENE	10 PPM	10 PPM		70 PPM	
BTEX	50 PPM	50 PPM		50 PPM	
TPH	100 PPM	1000 PPM		5000 PPM	

5.0 Remediation Process

Subsequent to vacuum removal of 15-bbl of released fluid, 425-yd³ of saturated soil was excavated (by CW's Backhoe Service) and disposed of at Sundance Services. Remediation of the release site was completed with the excavation/disposal of an additional 840-yd³ of contaminated soil. Remaining chloride contaminated soil was excavated and stockpiled. A composite sample of this stockpiled material indicated a chloride concentration of ~1000-ppm. This material was blended 1:1 with clean soil to achieve an average chloride concentration of ~500-ppm. This blended material was utilized to backfill the 25-ft excavated area on the north side of the location near the POR. This area was then covered with a 96' X 60' 20-mil polyvinyl liner (5-ft overlap). The entire site was then covered with a 3-ft layer of clean topsoil purchased from McNeill Ranch.

Based on the contents and data contained herein, Apache Corporation requests that NMOCD require “no further action” as regards the soil contamination resulting from the 09/04/08 NEDU #225 flow line release at the State Sec 2 #10 well location.

ATTACHMENTS

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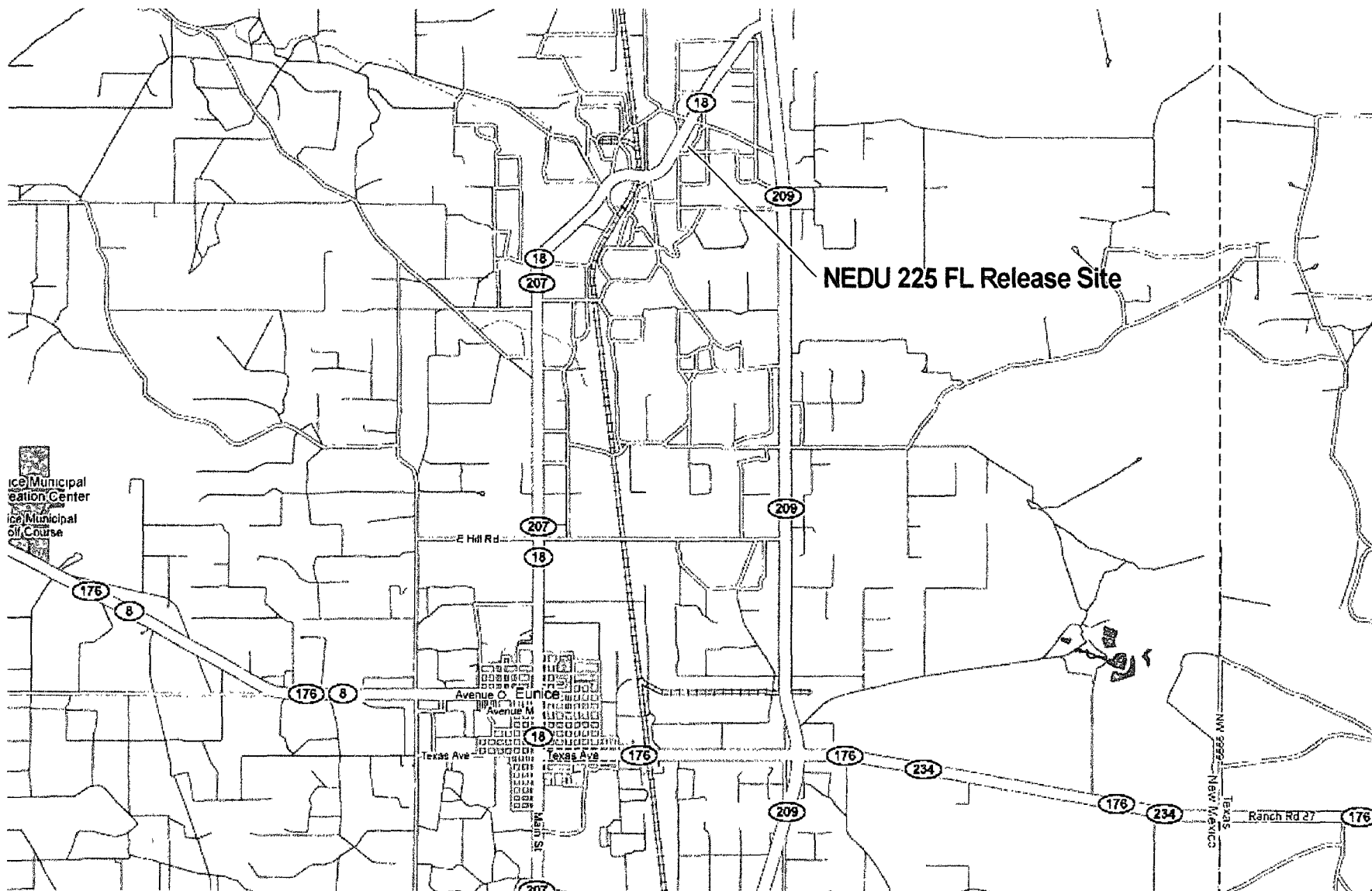


Plate 1
Release Site Location
Apache Corporation
NEDU 225 FL/State Sec 2 #10

Lea County, New Mexico
UL-L Section 2 T21S R37E
N 32° 37' 15", W 103° 17' 20"
Elevation: ~3476-ft amsl

Drawing by: John Good
July - 2009

Rev
1

SCALE:

0 2
Miles



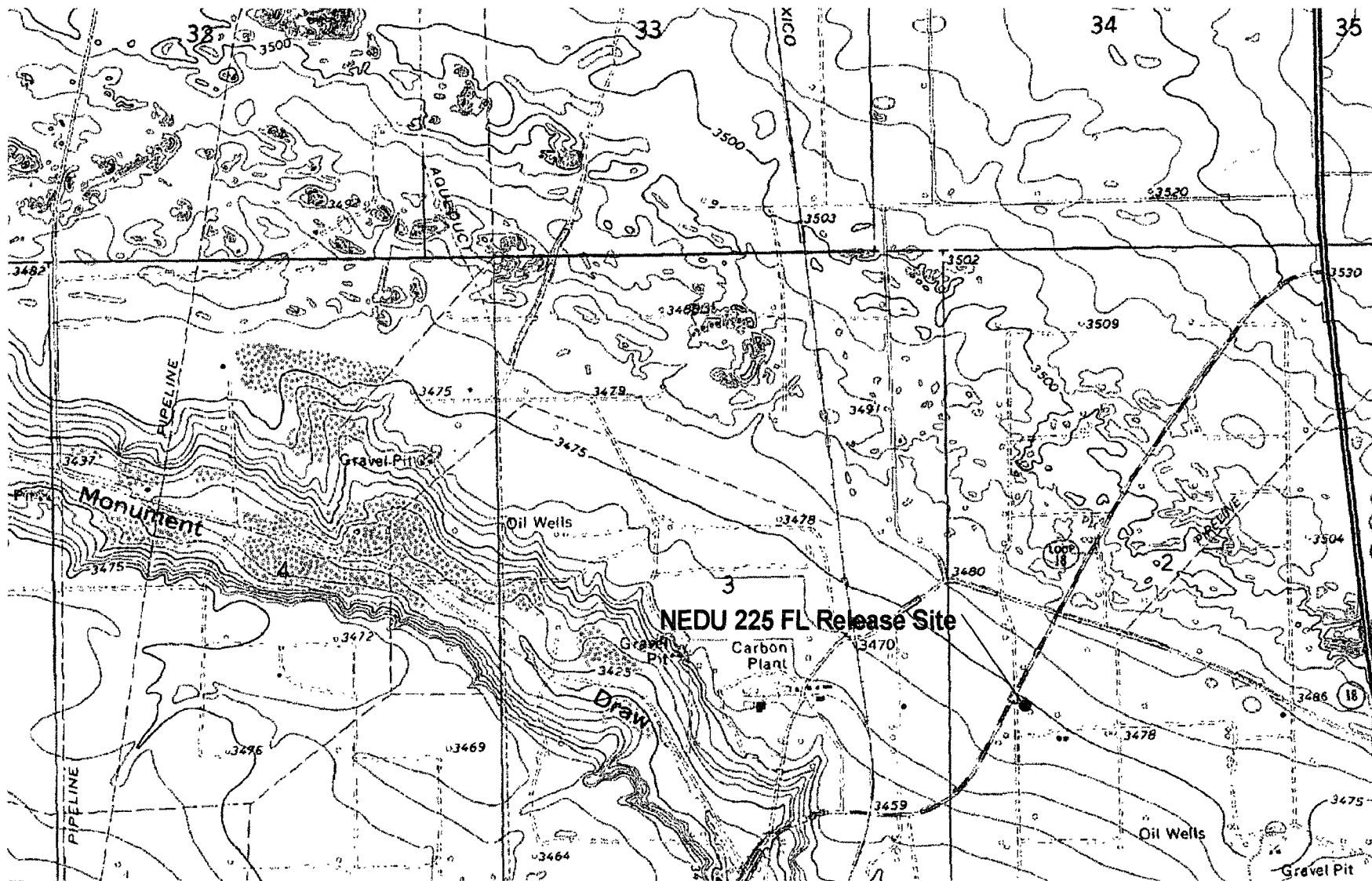


Plate 2
Release Site Topography (USGS)
Apache Corporation
NEDU 225 FL/State Sec 2 #10

Lea County, New Mexico
UL-L Section 2 T21S R37E
N 32° 37' 15", W 103° 17' 20"
Elevation: ~3476-ft amsl

Drawing by: John Good
July - 2009

Rev.
1

SCALE
0 Feet 3000

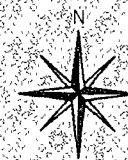




Plate 3
Release Site Aerial Photograph
Apache Corporation
NEDU 225 FL/State Sec 2 #10

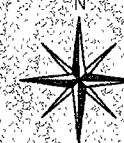
Lea County, New Mexico
UL-L Section 2 T21S R37E
N 32° 37' 159", W 103° 17.200'
Elevation: ~3476-ft amsl

Drawing by: John Good
July - 2009

Rev.
1

SCALE

0 Feet 900



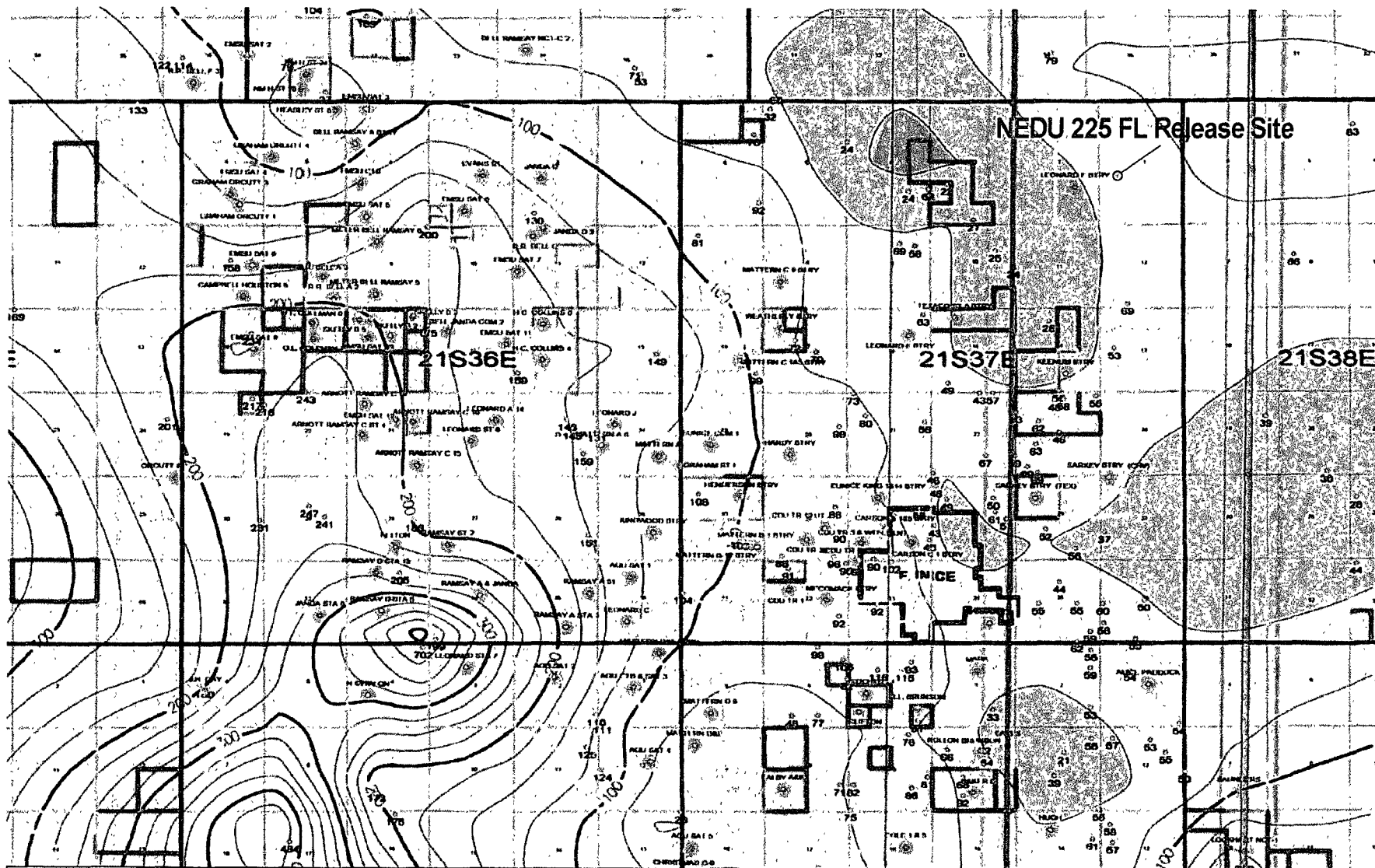


Plate 4
Release Site Water Depth Contour
Apache Corporation
NEDU 225 FL/STATE SEC 2 #10

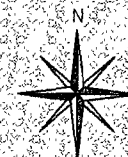
Lea County, New Mexico
UL-L Section 2 T21S R37E
N 32° 37' 15" W 103° 17' 20"
Elevation: ~3476-ft amsl

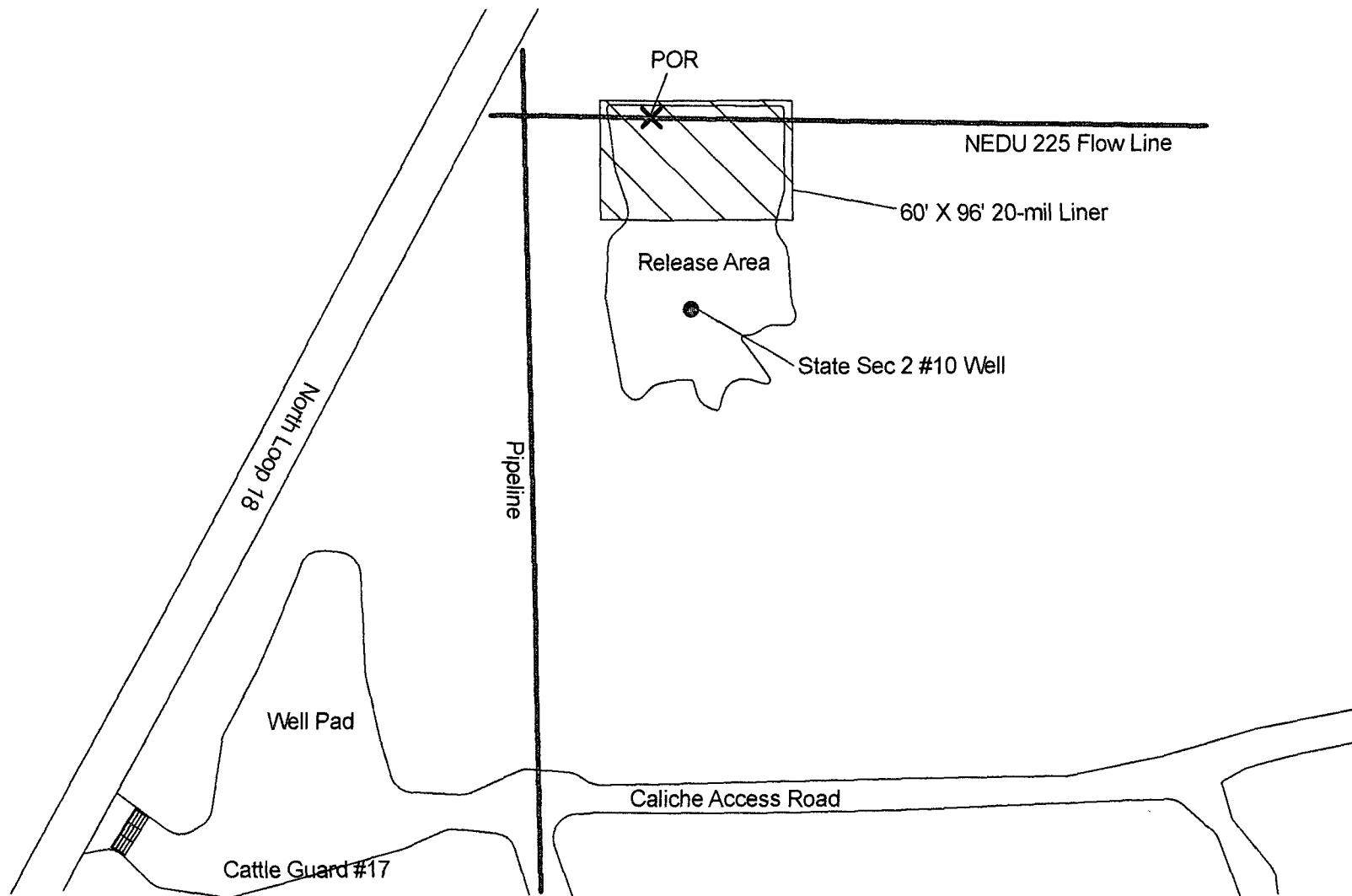
Drawing by: John Good
July - 2009

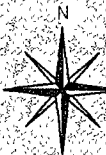
Rev.
1

SCALE

0 1 2 3 Miles



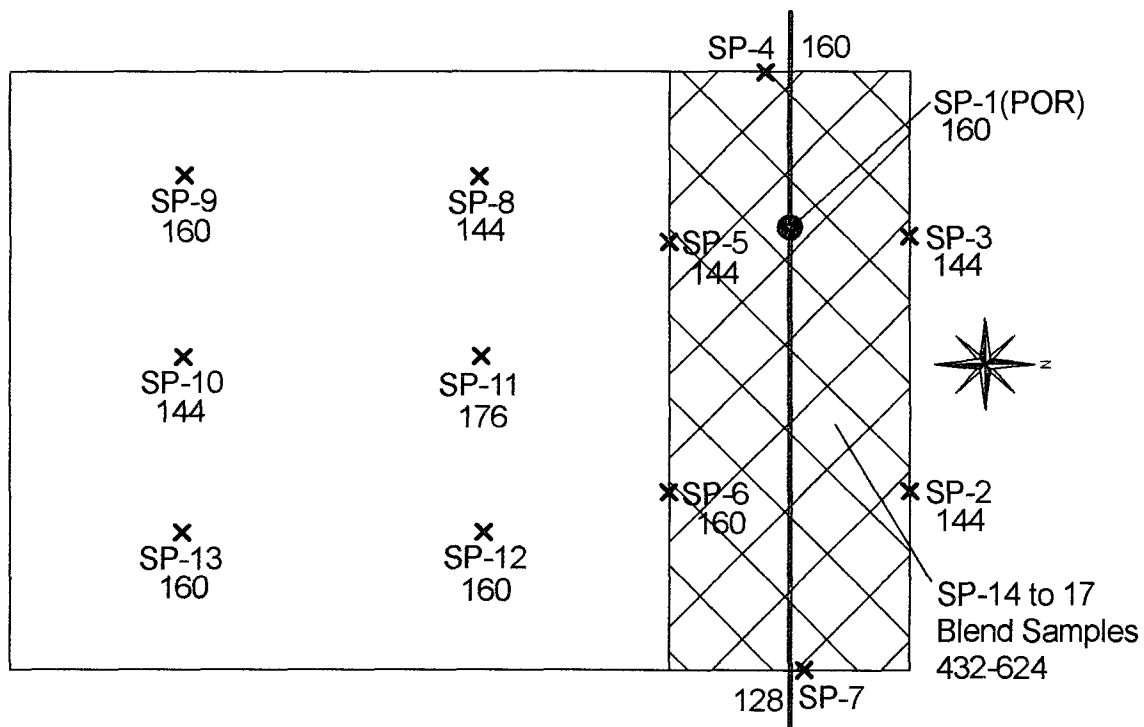


<p>Plate 5 Release Site Diagram Apache Corporation NEDU 225 FL/State Sec 2 #10</p>	<p>Lea County, New Mexico UL-L Section 2 T21S R37E N 32° 37' 15" W 103° 17' 20" Elevation: ~3476-ft amsl</p>	<p>Drawing by: John Good July - 2009</p>	<p>Rev: 1</p>	
		<p>SCALE: 0 Feet 150</p>		

APACHE CORP - NEDU #225 (State Sec 2 #10) - LABORATORY ANALYTICAL RESULTS SUMMARY TABLE

Sample Number	Sample Depth	Sample Location	Chlorides mg/Kg	Sample Number	Sample Depth	Sample Location	Chlorides mg/Kg	Sample Number	Sample Depth	Sample Location	Chlorides mg/Kg
SP1	25-ft	Bottom	160	SP7	20-ft	S-SW	128	SP13	4-ft	Bottom	160
SP2	20-ft	E-SW	144	SP8	4-ft	Bottom	144	SP14	15-ft	Blend	624
SP3	20-ft	E-SW	144	SP9	4-ft	Bottom	160	SP15	10-ft	Blend	512
SP4	20-ft	N-SW	160	SP10	4-ft	Bottom	144	SP16	5-ft	Blend	544
SP5	20-ft	W-SW	144	SP11	4-ft	Bottom	176	SP17	3-ft	Blend	432
SP6	20-ft	W-SW	160	SP12	4-ft	Bottom	160				

Sampling Diagram





ARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
OCOTILLO ENVIRONMENTAL, LLC
ATTN: JOHN GOOD
P.O. BOX 1816
HOBBS, NM 88241

Receiving Date: 11/24/08
Reporting Date: 11/24/08
Project Owner: APACHE CORP.
Project Name: NEDU 225FL
Project Location: UL-L S2 T21S R37E

Analysis Date: 11/24/08
Sampling Date: 11/14/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: HM/TR

LAB NO.	SAMPLE ID	CF ⁻ (mg/kg)
H16381-1	BH1-25'	160
H16381-2	ESW-2	144
H16381-3	ESW-3	144
H16381-4	NSW-4	160
H16381-5	WSW-5	144
H16381-6	WSW-6	160
H16381-7	SSW-7	128
H16381-8	BH-8	144
H16381-9	BH-9	160
H16381-10	BH-10	144
H16381-11	BH-11	176
H16381-12	BH-12	160
H16381-13	BH-13	160
H16381-14	BLEND 1	624
H16381-15	BLEND 2	512
H16381-16	BLEND 3	544
H16381-17	BLEND 4	432
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods

4500-CFB

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


Chemist


Date

H16381 OCO

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

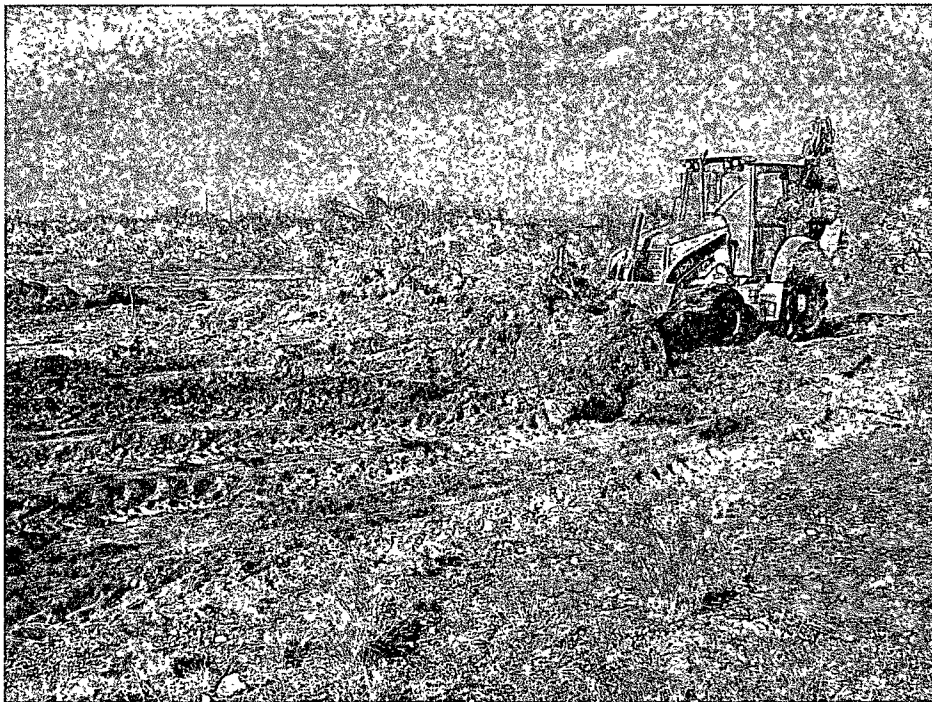


Sheet 1 of 1

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

NEDU 225 FL/STATE SEC 2 #10

[illegible]



< 5/4/08 – Initial excavation and disposal by CW's Backhoe Service.



5/4/08 – Initial excavation and disposal by CW's Backhoe Service. >



< 5/4/08 – Initial excavation and disposal by CW's Backhoe Service

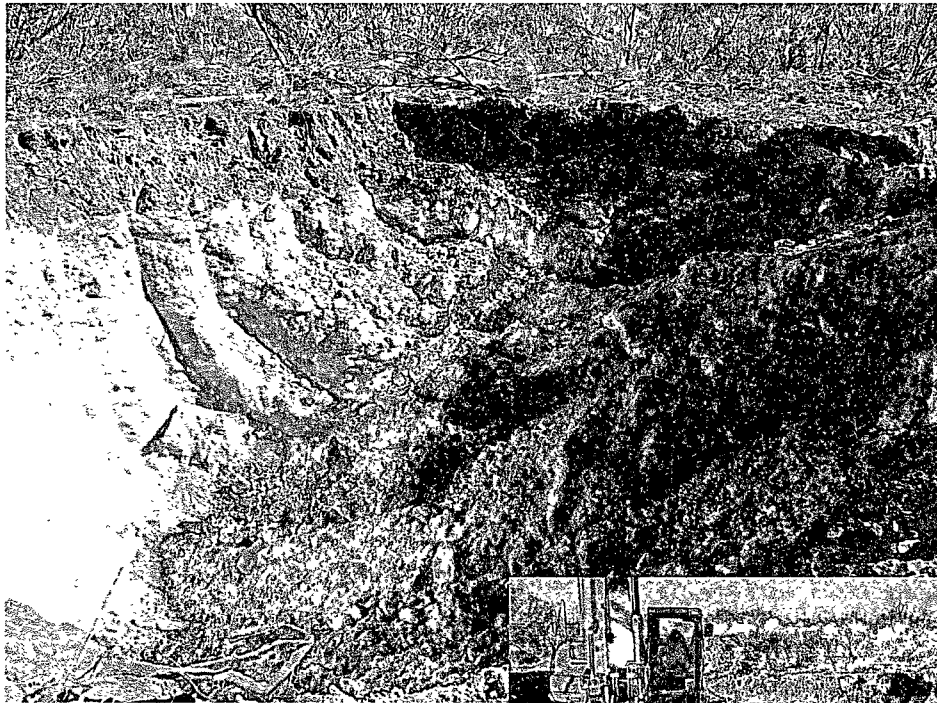


< 11/12/08 –Delineation of the release area with ten 4-ft trenches.

11/12/08 –Delineation of the release area with ten 4-ft trenches. >



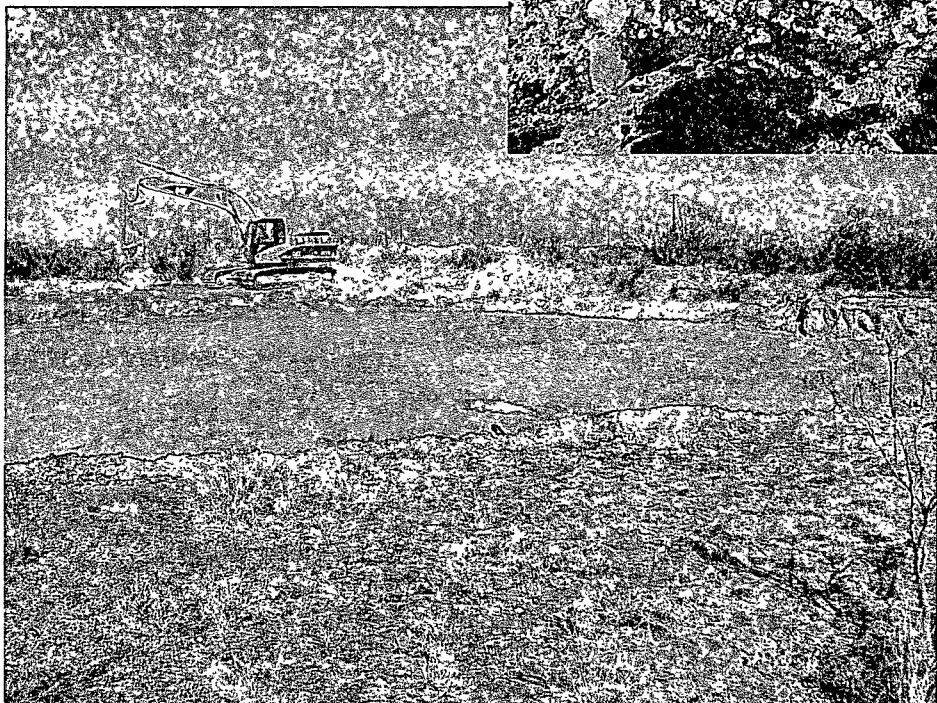
< 11/12/08 –Delineation of the release area with ten 4-ft trenches



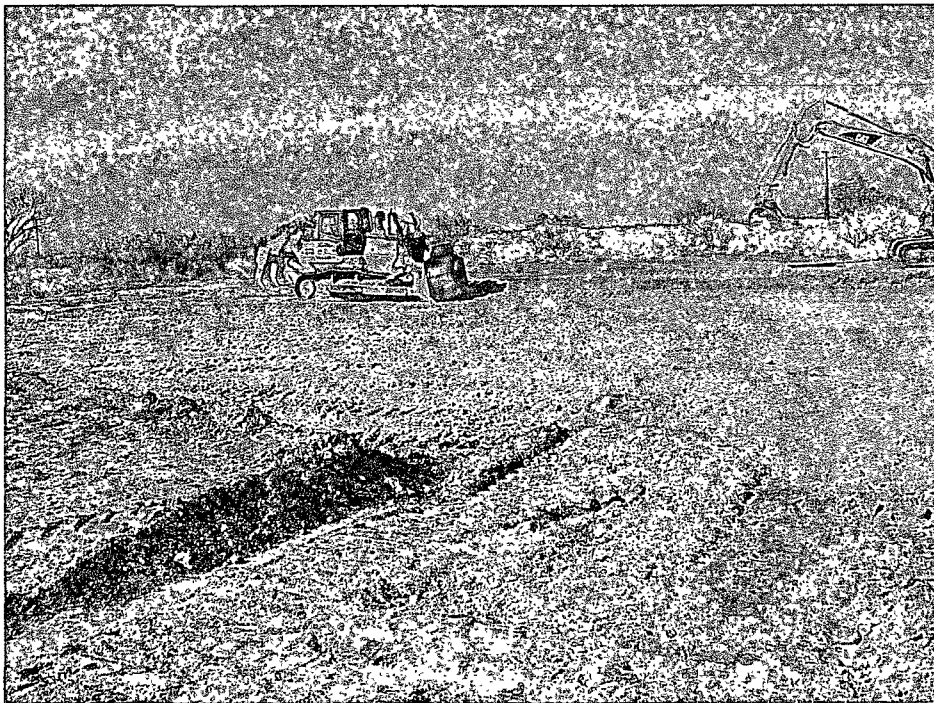
< 11/12/08 –Excavation
of deep contamination in
vicinity of POR.



11/13/08 –Excavation of deep
contamination in vicinity of
POR. >



< 11/14/08 – Deep excavation
backfilled with blended material,
ready for liner installation.



< 11/14/08 – South portion of project excavated, sampled and ready for topsoil application.

11/15/08 – Installation of 60' X 96' 20-mil liner. >



< 11/15/08 – – Installation of 60' X 96' 20-mil liner.

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

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 88231	Telephone No.	505-390-4186
Facility Name	NEDU #225 (State Sec 2 #10)	Facility Type	Production
Surface Owner	State	Mineral Owner	State
		Lease No.	30-025-06376

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	2	21S	37E	2310'	South Line	988'	West Line	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Hydrocarbons and chlorides	Volume of Release	80bbbls	Volume Recovered	15bbbls
Source of Release	Flowline	Occurrence	09/04/08	Discovery	09/04/08 2:49pm
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Larry Johnson		
By Whom?	Natalie Gladden	Date and Hour	09/04/08 3:41pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			



If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Flowline ruptured in pasture coming from the NEDU #225 well and spilled over the pit area for the State Sec 2 #10 well (ta'd). Vac trucks called in and line was replaced. Most of the saturated soil was picked up immediately and hauled to Sundance.

Describe Area Affected and Cleanup Action Taken.*

Leak site will be delineated and remediated in accordance with the NMOCD guidelines. All hydrocarbon contamination was hauled to Sundance Disposal. Remedial goals will be to obtain the NMOCD guideline for the chloride limit associated with the spill and the remediation of the old pit area. All guidelines for the Rule 50 will be followed on the clean up on the pit area.

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: 	OIL CONSERVATION DIVISION	
Printed Name: Natalie Gladden	Approved by District Supervisor: 	
Title: EH&S Environmental Tech	Approval Date: 9.15.08	Expiration Date: 11.15.08
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 9/12/08 Phone: 505-390-4186	SUBMIT FINAL C-141 BY 10-15-08 1950	

Attach Additional Sheets If Necessary



Incident Date: 9/4/08 NMOCD Notified: 9/4/08

SITE: NEDU #225 FL (State Sec 2 #10) API No. 30-025-06376

Company: Apache Corporation

Street Address: North Eunice Loop, Hwy 207

Mailing Address: P.O. Box 1849

City, State, Zip: Eunice, NM 88231

Representative: Natalie Gladden

Representative Telephone: 575-390-4186

Telephone:

Fluid Volume Released (bbl): ~ 80 Volume Recovered (bbl): 15 Net Release: ~ 65

>25 bbl: Notify NMOCD verbally within 24 hours and submit C-141 within 15 days.

5-25 bbl: Submit Form C-141 within 15 days. (Also applies to unauthorized release of >50 mcf Natural Gas).

Leak, Spill, or Pit (LSP) Name: NEDU #225 FL (State Sec 2 #10)

Source of Contamination: Flow Line

Land Owner, i.e. BLM, ST, Fee, Other: State of NM

LSP Dimensions: 120' X 120' (maximum dimensions)

LSP Area ~ 14000 -ft²

Location of Reference Point (RP):

Location distance and direction from RP:

Latitude: North 32 30.427

Longitude: West 103 8.354

Elevation above mean sea level (amsl): 3476 feet 1059 meters

Distance from South Section Line (feet): 2310

Distance from West Section Line (feet): 988

Location - Unit Letter and 1/4 1/4: UL- L NW 1/4 of SW 1/4

Location - Section 2

Location - Township 21S

Location - Range 37E

Location - County Lea

Surface water body within 1000' radius of site: 0

Surface water body within 1000' radius of site: 0

Domestic water wells within 1000' radius of site: 0

Domestic water wells within 1000' radius of site: 0

Agricultural water wells within 1000' radius of site: 0

Agricultural water wells within 1000' radius of site: 0

Public water supply wells within 1000' radius of site: 0

Public water supply wells within 1000' radius of site: 0

Depth (feet) from land surface to Ground Water (DG): 70

Depth (feet) of lowest contamination (DC): 20

Depth (feet) to Ground Water (DG - DC = DtGW): ~ 50

1. Ground Water	2. Wellhead Protection Area	3. Distance to Surface Water
If Depth to GW <50-feet: 20 points	If <1000' from water source, or, <200' from private domestic water source: 20 points If >1000' from water source, or, >200' from private domestic water source: 0 points	<200 horizontal feet: 20 points
If Depth to GW 50 to 100-feet: 10 points		200-1000 horizontal feet: 10 points
If Depth to GW >100-feet: 0 points		>1000 horizontal feet: 0 points
Ground Water Score: 10	Wellhead Protection Score: 0	Surface Water Score: 0
Site Ranking (1 + 2 + 3): 10		

Total Site Ranking Score and Acceptable Concentrations

Parameter	20 or >	10	0
Benzene ¹	10-ppm	10-ppm	10-ppm
BTEX ¹	50-ppm	50-ppm	50-ppm
TPH	100-ppm	1000-ppm	5000-ppm