

**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		Hawk B-1 #50		Facility Type	Production Well

Surface Owner	Private - Deck Estate	Mineral Owner	API No.	30-025-38014
---------------	-----------------------	---------------	---------	--------------

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from South Line	Feet from East Line	Longitude-W	Latitude-N	County
<b>I</b>	<b>8</b>	<b>21S</b>	<b>37E</b>	<b>2060</b>	<b>50</b>	<b>103.1762</b>	<b>32.4917</b>	<b>Lea</b>

**NATURE OF RELEASE**

Type of Release	Volume of Release	Volume Recovered
<b>Crude Oil w/ associated Produced Water</b>	<b>Approx 15 bbl</b>	<b>10 bbl</b>
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
<b>Flow Line</b>	<b>08/05/08 AM</b>	<b>08/05/08 3:00PM</b>
Was Immediate Notice Given?	If YES, To Whom?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Not Required	<b>Larry Johnson - NMOCD</b>	
By Whom?	Date and Hour	
<b>Natalie Gladden</b>	<b>08/05/08 4:00PM</b>	
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<b>NA</b>	

If a Watercourse was Impacted, Describe Fully\*

Describe Cause of Problem and Remedial Action Taken. \*

**Hawk B-1 #50 production well put back into service - - pressure surged caused flow line to rupture. Flow line was re-routed and vacuum truck recovered 10-bbl fluid.**

Describe Area Affected and Cleanup Action Taken. \*

**Release affected area (~500-ft<sup>2</sup>) was excavated to remove all soil with hydrocarbon component. Sidewalls and bottom were excavated to achieve chloride levels below 500-ppm (removal to <250-ppm would have required extensive removal/reconstruction of the road). Road shoulder was reconstructed to Lea County Road Dept. required standards. Remediation and restoration 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:	<p><b>OIL CONSERVATION DIVISION</b></p> <p>ENV ENGINEER: Approved by District Supervisor: <i>Jeff Lehm</i></p>	
Printed Name:		
Title:	Approval Date: 09/28/09    Expiration Date: -	
E-Mail Address:	Conditions of Approval: <b>IRP# 1923</b>	
Date:	7/31/2009    Phone: 575-390-4186	<input type="checkbox"/> Attached



**RECEIVED**  
AUG 17 2009  
HOBBSOCD

# **HAWK B-1 #50 FLOW LINE C141 CLOSURE REPORT**

**API 30-025-38014**

**UL-I (NE¼ OF THE SE¼) OF SECTION 8 T21S R37E  
LATITUDE: N 32° 29.504'      LONGITUDE: W 103° 10.571'  
~3.83 MILES NNW (BEARING 343.8°) OF EUNICE  
LEA COUNTY, NEW MEXICO**

**NMOCD 1RP #1923**

**July 31, 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: Hawk B-1 #50  
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-I Section 8 T21S R37E  
General Location: 3.83 miles NNW (343.8°) of Eunice, NM.  
Latitude: N32° 29.504' Longitude: W103° 10.571' Elevation: 3,533-ft amsl  
Land Ownership: Deck Estate  
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): 08/05/08 – ~3:00 PM  
Material Released: Crude oil and associated produced water  
Volume Released: 15-bbl Volume Recovered: 10-bbl  
Cause of Release: Flow line rupture after well restart  
Release Affected Area: ~525-ft<sup>2</sup>  
Depth of Contamination: 10-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 – 500-ppm

### REMEDIATION SUMMARY:

The release area adjacent to Hill Rd. right-of-way was excavated to lateral extents limited by the road surface and numerous flow lines on the pasture side of the release. Bottom hole and sidewall chloride concentrations were below 500-ppm. The bottom of the excavation displayed the highest TPH concentration of 162-ppm and undetectable BTEX levels. The excavation was backfilled with native caliche purchased from the landowner. Lea County Road Dept requires cement reinforcement when the edge of a caliche road is excavated and backfilled. This was accomplished with a 41' X 4.5' X 2.5' deep pour of #2 FlowFill, and then covering with compacted caliche.

## **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**

Extrapolation of 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 (CoCs) were crude oil and total chlorides. The approximate areal extent of the release was 525-ft<sup>2</sup>.

## **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<sup>8015m</sup>, Benzene, and the mass sum of Benzene, Toluene, Ethyl Benzene, and total Xylenes (BTEX<sup>8260</sup>), 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	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
TPH	100 PPM	1000 PPM	5000 PPM

## 5.0 Remediation Process

The release area adjacent to Hill Rd. right-of-way was excavated to lateral extents limited by the road surface and numerous flow lines on the pasture side of the release. Bottom hole and sidewall chloride concentrations were below 500-ppm. The bottom of the excavation displayed the highest TPH concentration of 162-ppm and undetectable BTEX levels. The excavation was backfilled with native caliche purchased from the landowner. Lea County Road Dept requires cement reinforcement when the edge of a caliche road is excavated and backfilled. This was accomplished with a 41' X 4.5' X 2.5' deep pour of #2 FlowFill, and then covering with compacted caliche.

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 08/05/08 Hawk B-1 #50 flow line release.

HAWK B-1 #50 LABORATORY ANALYTICAL RESULTS SUMMARY TABLE						
Sample Number	Sample Depth	Sample Location	TPH mg/Kg	BTEX mg/Kg	Benzene mg/Kg	Chlorides mg/Kg
BTM-1	10-ft	East Bottom	47	ND	ND	416
BTM-2	10-ft	Center Bottom	162	ND	ND	320
BTM-3	8-ft	West Bottom	34.4	ND	ND	416
SW-4	5-ft	North Sidewall	ND	ND	ND	304
SW-5	5-ft	South Sidewall	11.8	ND	ND	384
SW-6	5-ft	East Sidewall	ND	ND	ND	400
SW-7	5-ft	West Sidewall	ND	ND	ND	320

## ATTACHMENTS

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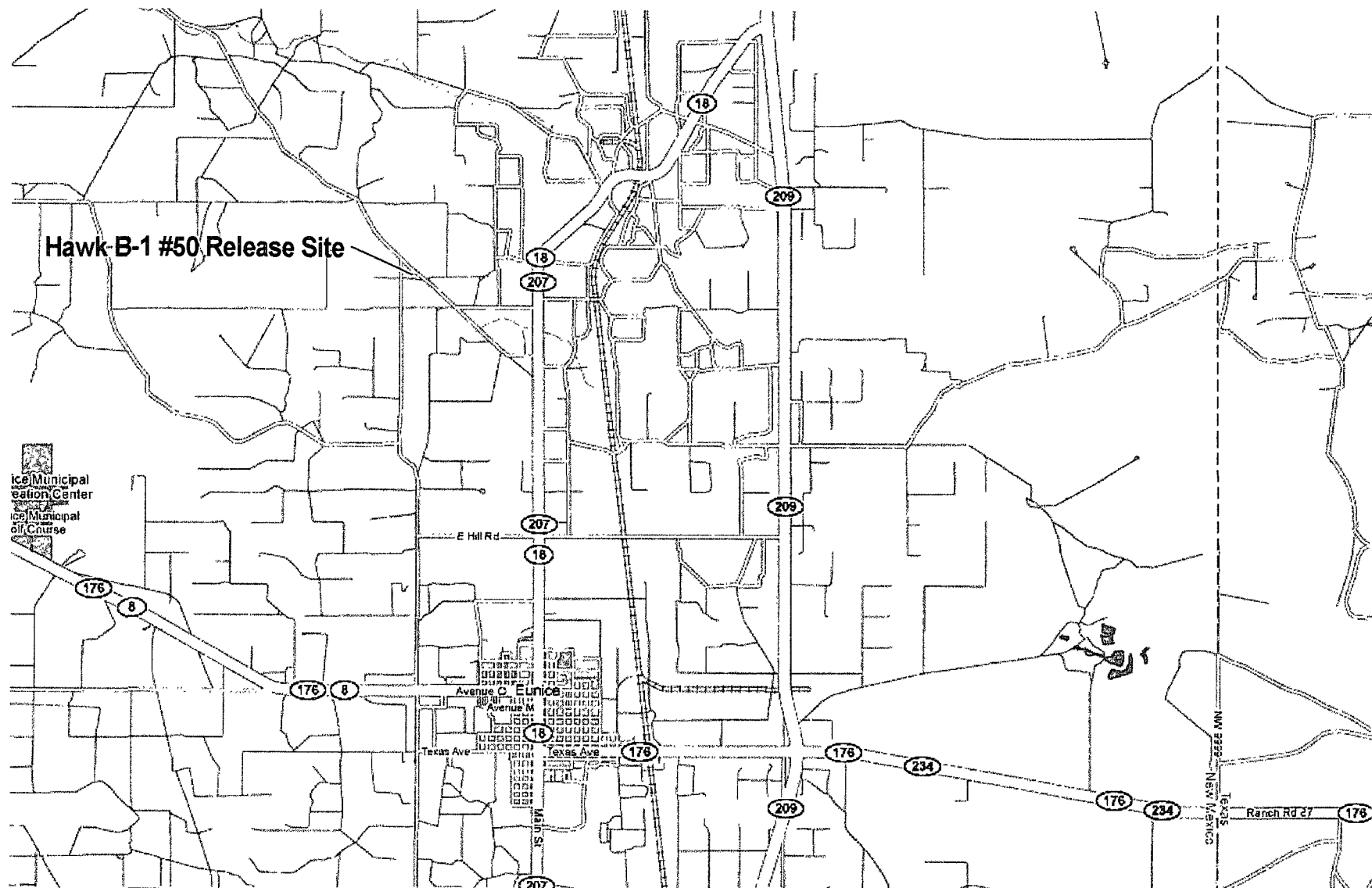


Plate 1  
Release Site Location  
Apache Corporation  
Hawk B-1 #50

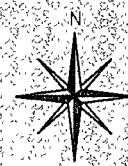
Lea County, New Mexico  
UL-I Section 8 T21S R37E  
N 32° 29.504', W 103° 10.571'  
Elevation: ~3533-ft amsl

Drawing by: John Good  
July - 2009

Rev.  
1

SCALE

0 Miles 2





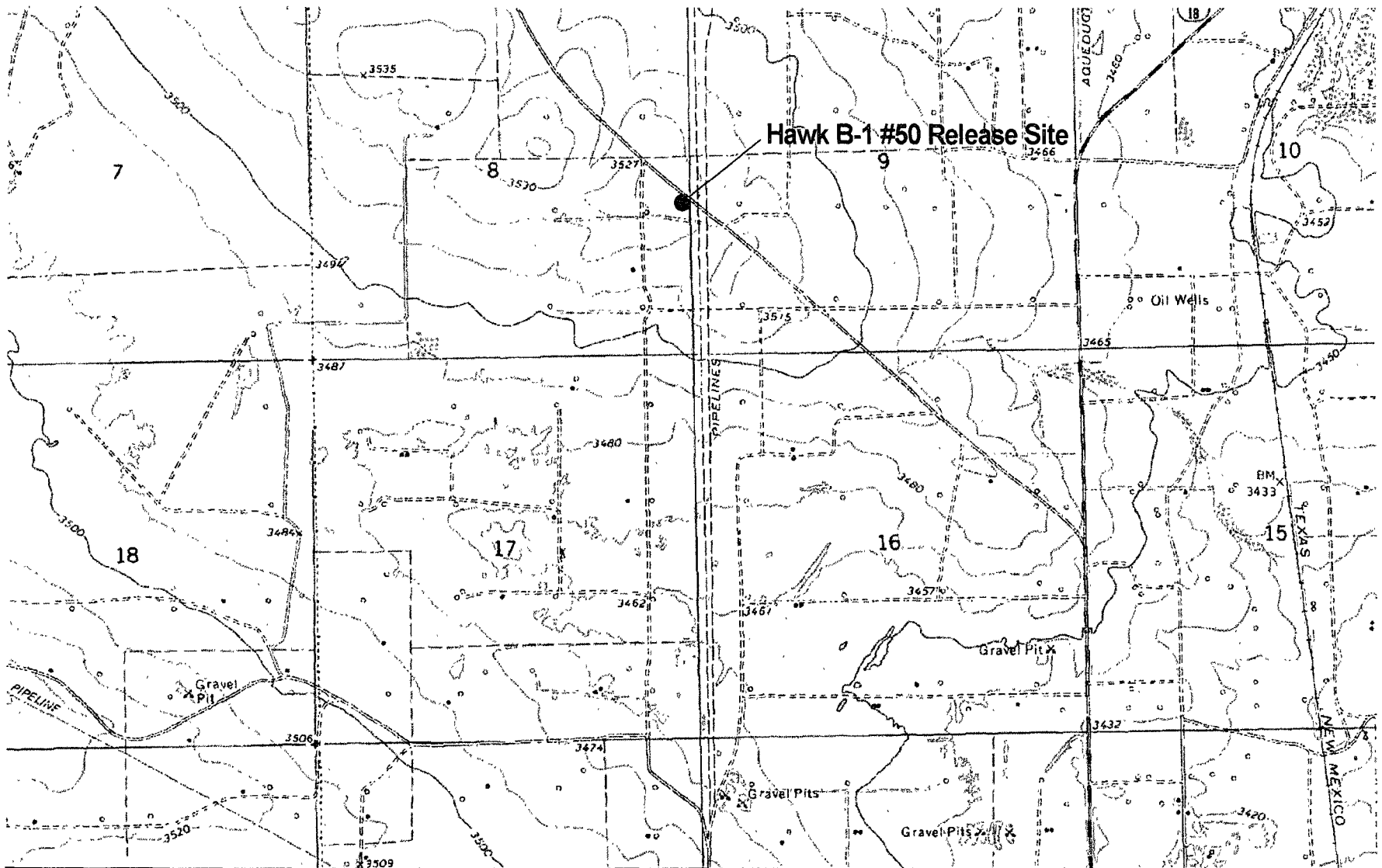


Plate 2  
Release Site Topography (USGS)  
Apache Corporation  
Hawk B-1 #50

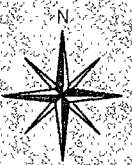
Lea County, New Mexico  
UL-I Section 8 T21S R37E  
N 32° 29.504' W 103° 10.571'  
Elevation: ~3533-ft amsl

Drawing by John Good  
July - 2009

Rev.  
1

SCALE

0 Feet 3000



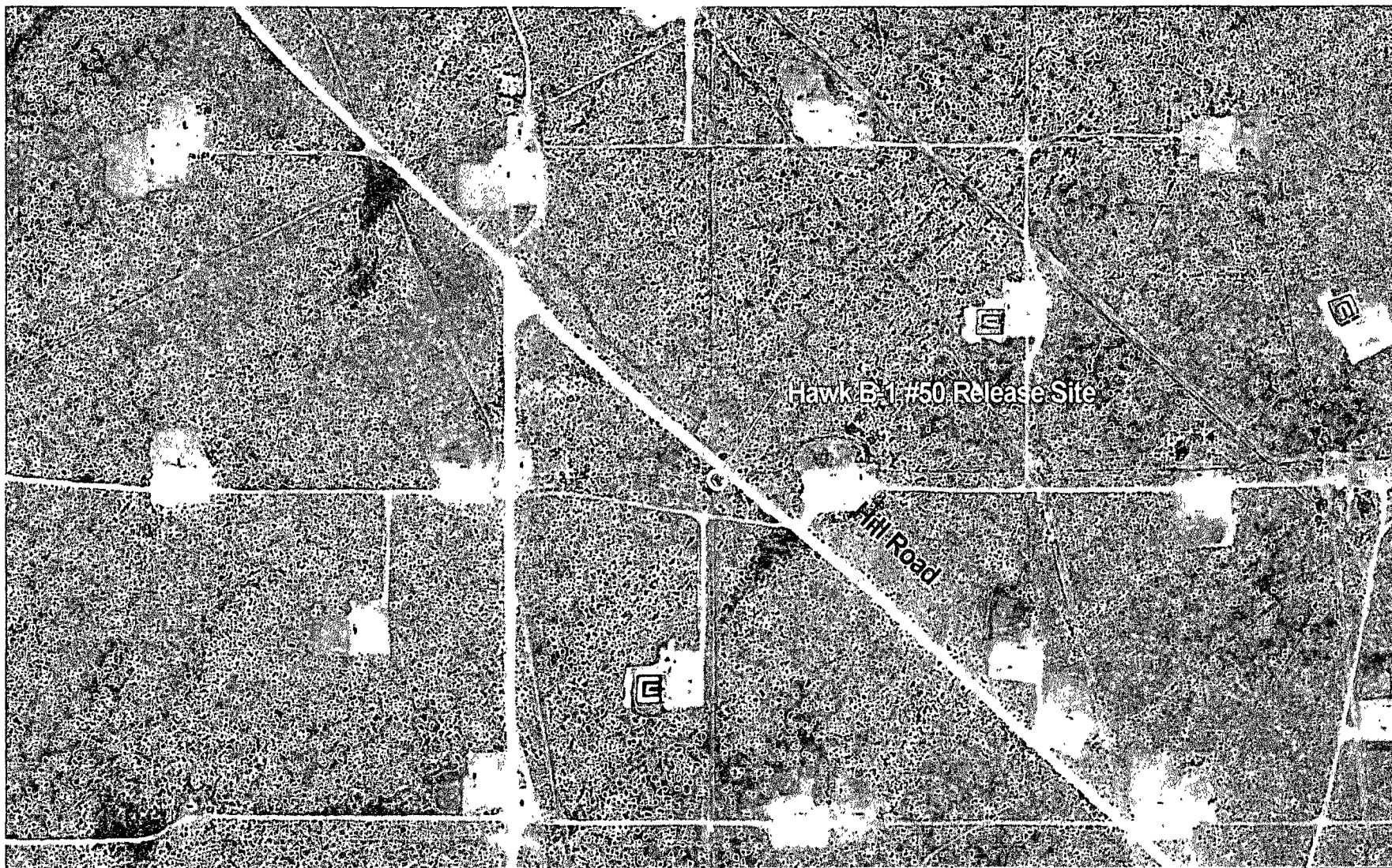


Plate 3  
Release Site Aerial Photograph  
Apache Corporation  
Hawk B-1 #50

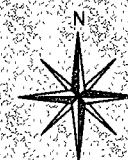
Lea County, New Mexico  
UL-I Section 8 T21S R37E  
N 32° 29.504', W 103° 10.571'  
Elevation: ~3533-ft amsl

Drawing by John Good  
July - 2009

Rev:  
1

SCALE:

0 Feet 1200



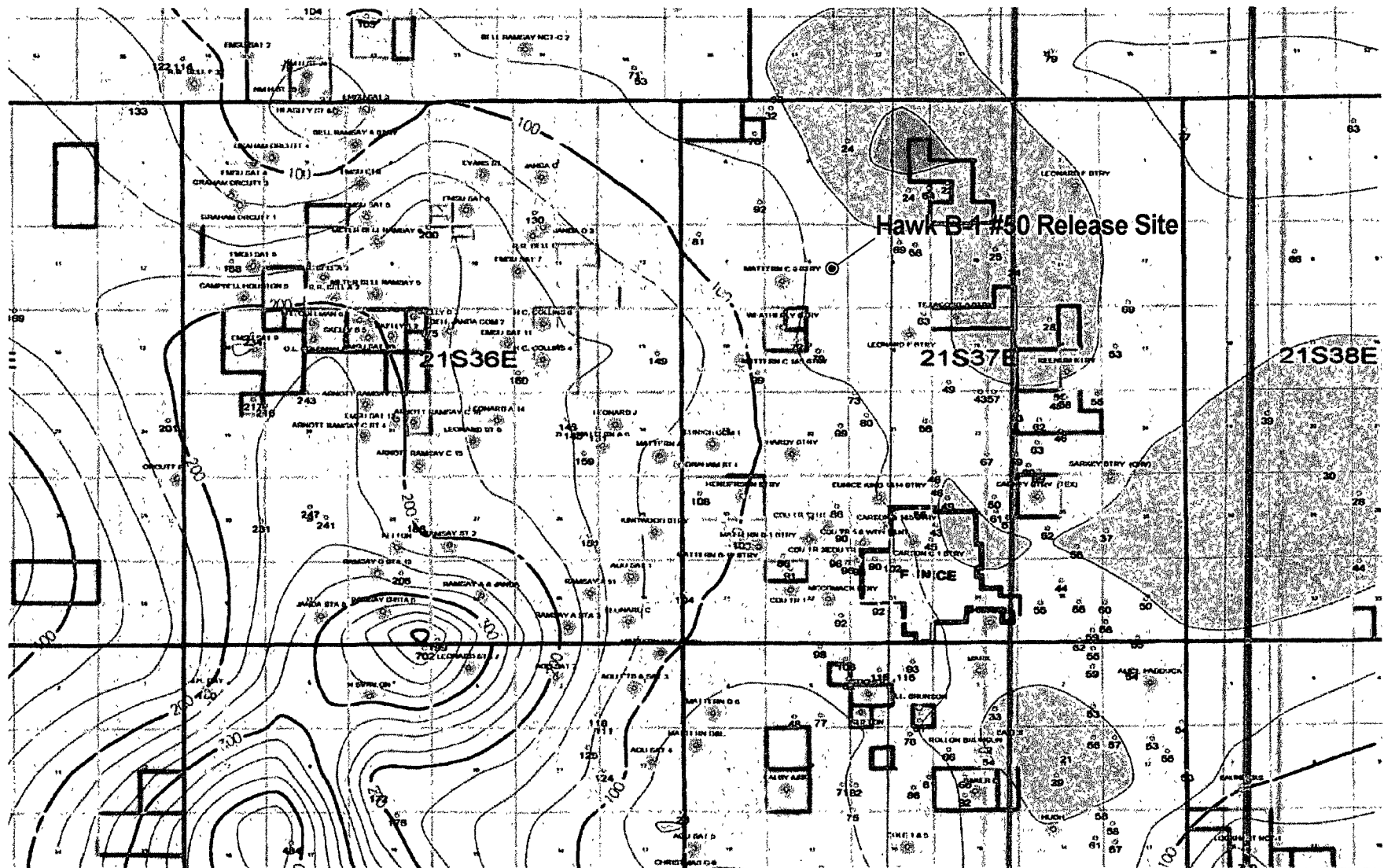


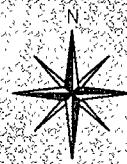
Plate 4  
Release Site Water Depth Contour  
Apache Corporation  
Hawk B-1 #50

Lea County, New Mexico  
UL-I Section 8 T21S R37E  
N 32° 29.504', W 103° 10.571'  
Elevation: ~3533-ft amsl

Drawing by John Good  
July - 2009

Rev.  
1

SCALE:



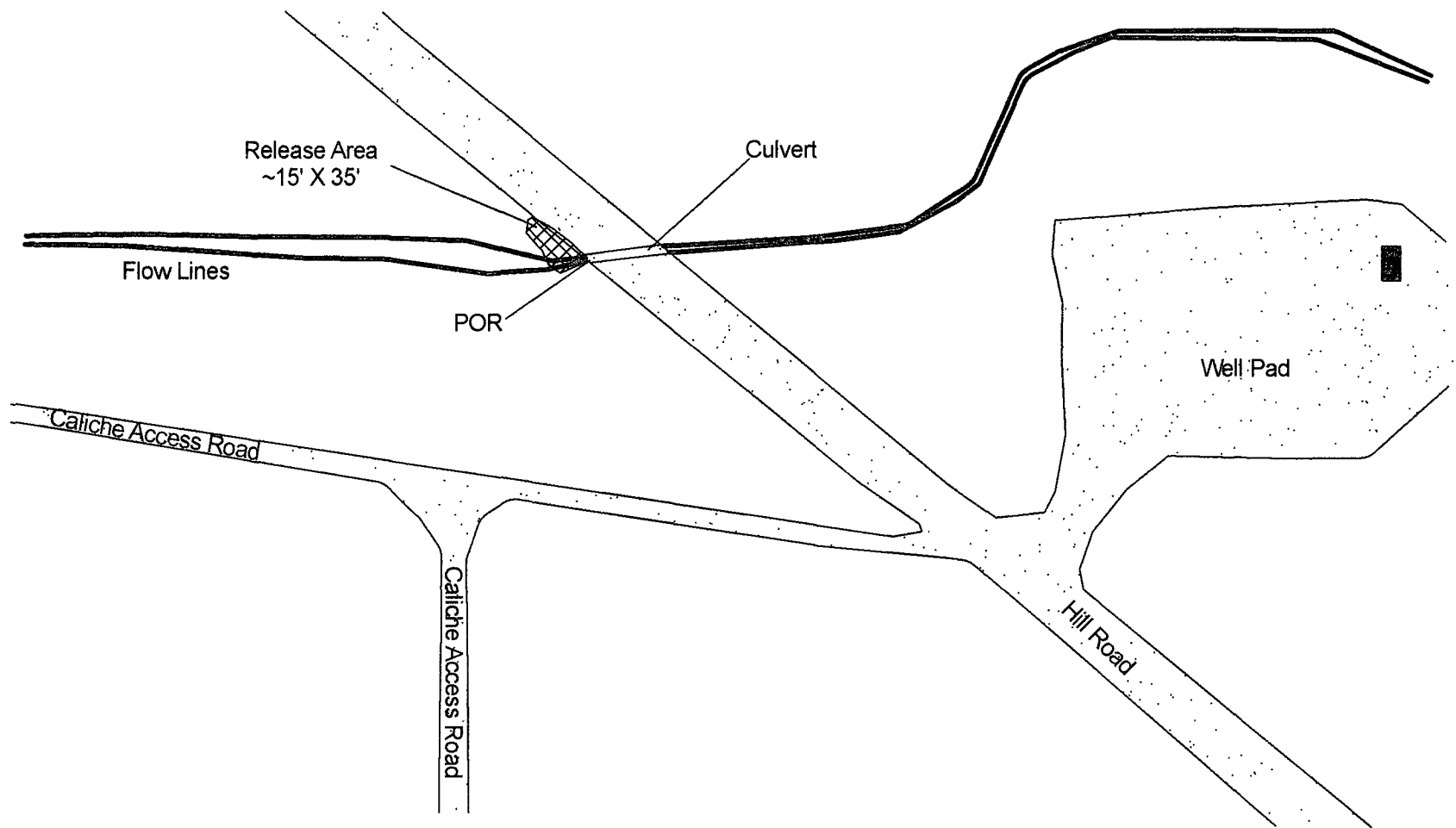
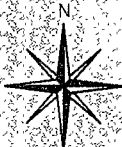



Plate 5 Release Site Diagram Apache Corporation Hawk B-1 #50	Lea County, New Mexico UL-I Section 8 T21S R37E N 32° 29.504', W 103° 10.571' Elevation: ~3533-ft amsl	Drawing by: John Good July - 2009	Rev: 1	
		SCALE:  0 Feet 200		



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

ANALYTICAL RESULTS FOR  
OCOTILLO ENVIRONMENTAL  
ATTN: JOHN GOOD  
2125 N. FRENCH DR.  
HOBBS, NM 88241

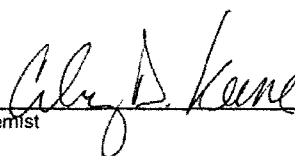
Receiving Date: 08/18/08  
Reporting Date: 08/22/08  
Project Owner: APACHE CORP.  
Project Name: HAWK B-1 #50L  
Project Location: HILL ROAD 1.2 MI WEST OF 248

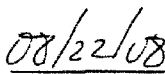
Sampling Date: 08/15/08  
Sample Type: SOIL  
Sample Condition: INTACT  
Sample Received By: ML  
Analyzed By: AB/CK

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		08/20/08	08/20/08	08/21/08	08/21/08	08/21/08	08/21/08
H15755-1	BOTTOM-1	<10.0	47.2	<0.010	<0.025	<0.010	<0.030
H15755-2	BOTTOM-2	<10.0	162	<0.010	<0.025	<0.010	<0.030
H15755-3	BOTTOM-3	<10.0	34.4	<0.010	<0.025	<0.010	<0.030
H15755-4	SIDEWALL-4	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
H15755-5	SIDEWALL-5	<10.0	11.8	<0.010	<0.025	<0.010	<0.030
H15755-6	SIDEWALL-6	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
H15755-7	SIDEWALL-7	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
Quality Control		597	437	0.044	0.045	0.044	0.135
True Value QC		500	500	0.050	0.050	0.050	0.150
% Recovery		119	87.4	87.9	89.1	88.0	90.0
Relative Percent Difference		6.7	5.3	6.0	7.6	7.5	4.3

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,  
AND TOTAL XYLENES.

  
Cheryl D. Keene  
Chemist

  
08/22/08  
Date

H15755 BTEXT2 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.



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

Receiving Date: 08/18/08  
Reporting Date: 08/19/08  
Project Owner: APACHE CORP.  
Project Name: HAWK B-1 #50L  
Project Location: HILL ROAD 1.2 MI WEST OF 248

Analysis Date: 08/19/08  
Sampling Date: 08/15/08  
Sample Type: SOIL  
Sample Condition: INTACT  
Sample Received By: ML  
Analyzed By: HM

[illegible]

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

Jose L. Moreno  
Chemist

08-1928  
Date

H15755 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 data, 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.

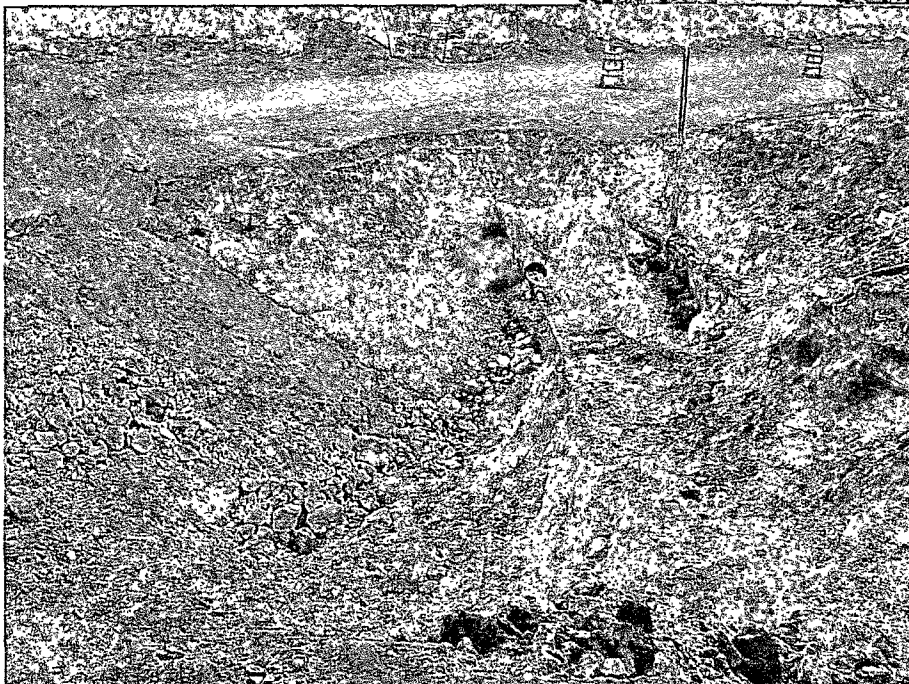






< 8/12/08 – Excavation of contaminated soil

8/13/08 – Continuing excavation and field testing for chlorides >

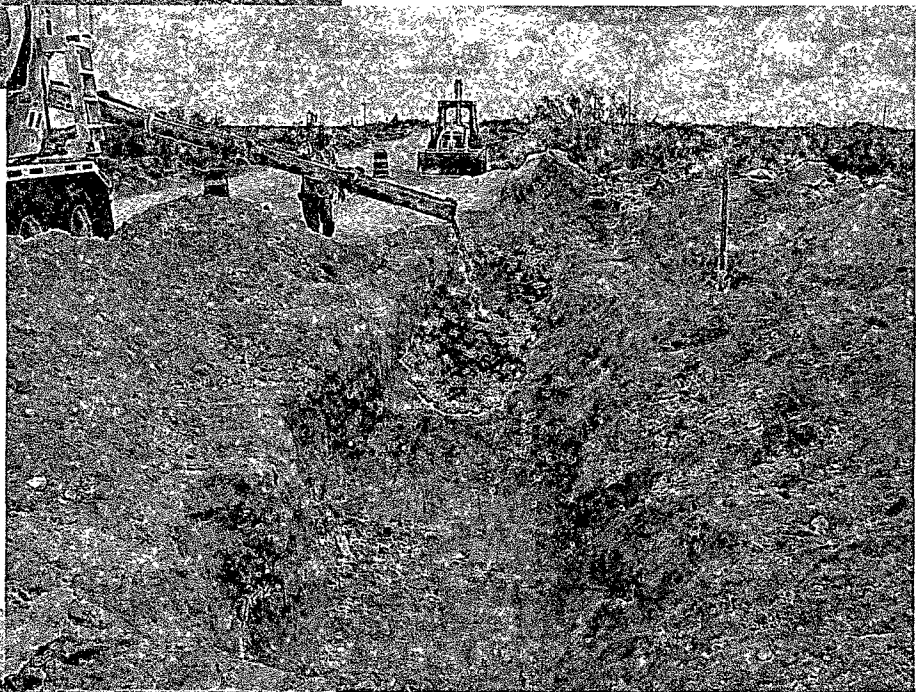


< 8/15/08 – Excavation complete, tested and ready for backfill.

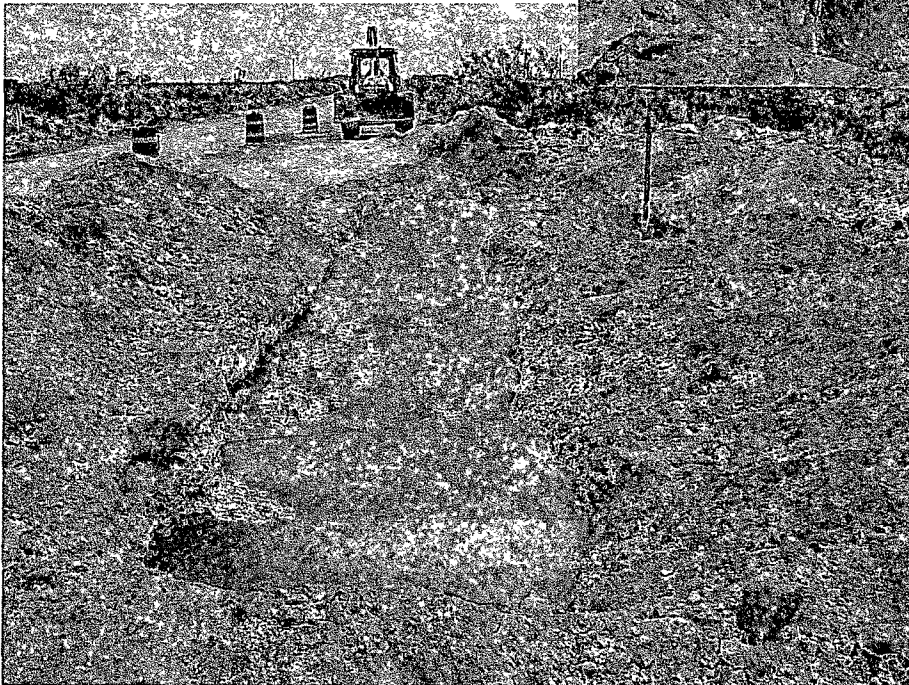




< 8/18/08 – #2 FlowFill  
trench complete, awaiting  
arrival of delivery trucks



8/18/08 – Commencing  
FlowFill pour >



< 8/18/08 – FlowFill pour  
complete – allowed to set overnight,  
and covered the next day.

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

AUG 12 2008

HOBBS OCL

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	Hawk B-1 #50	Facility Type	Production Well

Surface Owner	Gary Deck	Mineral Owner	State of NM	Lease No.	30-025-38014
---------------	-----------	---------------	-------------	-----------	--------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	8	21S	37E	2200'	South Line	380	East Line	Lea

Latitude 32 deg 29.504 Longitude 103 deg 10.571

WTR 80'

NATURE OF RELEASE

Type of Release	Oil and Produced Water	Volume of Release	15bbls	Volume Recovered	10bbls
Source of Release	Flowline		08/05/08 3pm		8/5/08 3pm
Was Immediate Notice Given?	x Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Larry Johnson		
By Whom?	Natalie Gladden		8/5/08 3:55pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes x No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Well was put back onto production which caused the flowline to rupture. Flowline was re-routed and vacuum truck recovered 10bbls of fluid. Flowline leak is under road inside a culvert.

Describe Area Affected and Cleanup Action Taken.\*

NMOCD Guidelines will be followed in remediation process.

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: <i>Natalie Gladden</i>	OIL CONSERVATION DIVISION	
Printed Name: Natalie Gladden	Approved by District Supervisor: <i>Larry Johnson</i> ENVIRONMENTAL ENGINEER	
Title: EH&S Environmental Tech	Approval Date: 8-12-08	Expiration Date: 10-15-08
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 8-11-08 Phone: 505-390-4186	Submit Final B1	IRP # 1923

\* Attach Additional Sheets If Necessary



Incident Date: 8/5/08 NMOCD Notified: 8/5/08

SITE: Hawk B-1 #50 API No. 30-025-38014

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): &gt; 15 Volume Recovered (bbl): 10 Net Release: &gt; 5

&gt;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 &gt;50 mcf Natural Gas).

Leak, Spill, or Pit (LSP) Name: Hawk B-1 #50

Source of Contamination: Flow Line

Land Owner, i.e. BLM, ST, Fee, Other: Private - Deck Estate

LSP Dimensions: ~ 15' X 35' (maximum dimensions)

LSP Area ~ 525 -ft<sup>2</sup>

Location of Reference Point (RP):

Location distance and direction from RP:

Latitude: North 32 29.504

Longitude: West 103 10.571

Elevation above mean sea level (amsl): 3533 feet 1077 meters

Distance from South Section Line (feet): 2060

Distance from East Section Line (feet): 50

Location - Unit Letter and 1/4 1/4: UL- 1 NE 1/4 of SE 1/4

Location - Section 8

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): 10

Depth (feet) to Ground Water (DG - DC = DtGW): ~ 60

**1. Ground Water****2. Wellhead Protection Area****3. Distance to Surface Water**

If Depth to GW &lt;50-feet: 20 points

If Depth to GW 50 to 100-feet: 10 points

If Depth to GW &gt;100-feet: 0 points

Ground Water Score: 10

Site Ranking (1 + 2 + 3): 10

If &lt;1000' from water source, or, &lt;200' from private domestic water source: 20 points

If &gt;1000' from water source, or, &gt;200' from private domestic water source: 0 points

Wellhead Protection Score: 0

&lt;200 horizontal feet: 20 points

200-1000 horizontal feet: 10 points

&gt;1000 horizontal feet: 0 points

Surface Water Score: 0

**Total Site Ranking Score and Acceptable Concentrations**

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

## 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

Form C-141

Revised June 10, 2003

RECEIVED

AUG 17 2009

HOBBSOCD

## Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

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	Hawk B-1 #50	Facility Type	Production Well

Surface Owner	Private - Deck Estate	Mineral Owner	API No	30-025-38014
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## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from South Line	Feet from East Line	Longitude-W	Latitude-N	County
I	8	21S	37E	2060	50	103.1762	32.4917	Lea

## NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Crude Oil w/ associated Produced Water	Approx 15 bbl	10 bbl
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Flow Line	08/05/08 AM	08/05/08 3:00PM

Was Immediate Notice Given?	If YES, To Whom?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> Not Required	Larry Johnson - NMOCD

By Whom?	Date and Hour
Natalie Gladden	08/05/08 4:00PM

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. *
Hawk B-1 #50 production well put back into service - - pressure surged caused flow line to rupture. Flow line was re-routed and vacuum truck recovered 10-bbl fluid.

Describe Area Affected and Cleanup Action Taken. *
Release affected area (~500-ft <sup>2</sup> ) was excavated to remove all soil with hydrocarbon component. Sidewalls and bottom were excavated to achieve chloride levels below 500-ppm (removal to <250-ppm would have required extensive removal/reconstruction of the road). Road shoulder was reconstructed to Lea County Road Dept. required standards. Remediation and restoration was completed by Ocotillo Environmental, LLC., Hobbs, NM.

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Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name:	Natalie Gladden	Approved by District Supervisor:	
Title:	Environmental Tech - Permian Basin	Approval Date:	Expiration Date:
E-Mail Address:	Natalie.Gladden@usa.apachecorp.com	Conditions of Approval:	1RP# 1925
Date:	7/31/2009	Phone:	575-390-4186
			<input type="checkbox"/> Attached