

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

HOBBS OCD

Form C-141  
Revised October 10, 2003

APR 30 2012

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

RECEIVED

### Release Notification and Corrective Action

#### OPERATOR

Initial Report  Final Report

Name of Company	Apache Corp.	Contact	Natalie Gladden
Address	P.O. Box 1849, Eunice, NM, 88231	Telephone No.	(575) 390-4186
Facility Name	State C Tract 13 #14	Facility Type	Production Well
Surface Owner	Wallach	Mineral Owner	State of NM
		Lease No.	30-025-39286

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	36	21S	37E	450	FNL	990	FWL	Lea

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

#### NATURE OF RELEASE

Type of Release	Produced Water/Oil Mixture	Volume of Release	10 bbl	Volume Recovered	0 bbl
Source of Release	Back pressure valve	Date and Hour of Occurrence	08/26/11	Date and Hour of Discovery	08/26/11
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Date and Hour				
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.\*

DTW = 51'

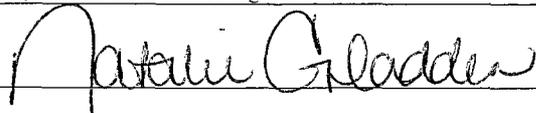
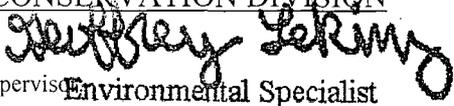
Describe Cause of Problem and Remedial Action Taken.\*

Stuffing box leak was found. Due to unavailability of vacuum trucks, caliche was brought in to dry up standing fluids then that material was excavated and hauled to Sundance Disposal.

Describe Area Affected and Cleanup Action Taken.\*

The leak affected the caliche pad surrounding the wellhead. Impacted soils were removed to a NMOCD approved disposal facility. Representative soil samples were collected from the excavation and sent to a commercial laboratory for chloride and TPH confirmation. The excavation was backfilled with clean caliche and contoured to the surrounding 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:		<u>OIL CONSERVATION DIVISION</u>	
Printed Name:	Natalie Gladden	 Approved by District Supervisor Environmental Specialist	
Title:	EH&S Environmental Tech	Approval Date:	04/30/12
E-mail Address:	Natalie.gladden@apachecorp.com	Expiration Date:	-
Date:	11/9/12	Conditions of Approval:	-
Phone:	(575) 390-4186	Attached <input type="checkbox"/> IRP-06-14-3079	

\* Attach Additional Sheets If Necessary

JUN 17 2014

NSAD1416432198



EXPLORING WHAT'S POSSIBLE

# APACHE CORPORATION

P.O.Box 1849  
Eunice, NM 88231  
Phone 575.394.3159

## State C Tract 13 #14

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# Closure Report

API 30-025-39286

Release Date: August 26, 2011

Unit Letter F, Section 36, Township 21S, Range 37E

# Rice Environmental Consulting & Safety

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P.O. Box 5630 Hobbs, NM 88241  
Phone 575.393.4411 Fax 575.393.0293

**April 30, 2012**

Geoffrey Leking  
New Mexico Energy, Minerals, & Natural Resources  
Oil Conservation Division, Environmental Bureau – District 1  
1625 N. French Dr.  
Hobbs, NM 88240-9273

**RE: TERMINATION REQUEST  
Apache – State C Tract 13 #14 AD  
UL/F sec. 36 T21S R37E  
API No. 30-025-39286**

Mr. Leking:

Apache Corporation has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the site referenced above.

## **Background and Previous Work**

The site is an accidental discharge of produced water and oil associated with the State C Tract 13 #14. A stuffing box leaked, releasing mixed fluids onto the well pad, and caliche was used to soak up standing fluids. An initial form C-141 was submitted by Apache Corporation on August 26, 2011 (Appendix A). The site is located east of Eunice, in unit letter 'F' of section 36, T21S, R37E in Lea County, New Mexico.

On August 26, 2011, RECS personnel initiated work on the State C Tract 13 #14. Surface soil samples were collected and field tested for chloride (Figure 1). Headspace measurements were also taken in the field using a Photo Ionization Detector (PID). The samples were submitted to a commercial laboratory for chloride and TPH (GRO/DRO) analyses. Chloride ranged from 8,600 ppm (parts per million or mg/kg) to 12,000 ppm. GRO ranged from 4,750 ppm to 10,700 ppm and DRO ranged from 11,100 ppm to 18,900 ppm.

On September 1, 2011, RECS personnel collected soil samples from the final excavation (Figure 2). Representative grab samples were collected from the excavation walls and the excavation floor, and submitted to a commercial laboratory for chloride and TPH (GRO/DRO) analyses. Chloride did not exceed 48 ppm in all samples. TPH did not exceed 15.5 ppm in all samples (Appendix C).

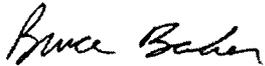
Impacted soils were removed from the excavation and transported to a NMOCD approved disposal facility. The excavation was backfilled with clean caliche and contoured to the surrounding area. See Appendix B for photographs of field activities.

## Conclusion

Due to the complete removal of impacted soils, Apache submits the final C-141 (Appendix D) and respectfully requests the closure of the regulatory file for this site.

Apache Corporation appreciates the opportunity to work with you on this project. Please call Natalie Gladden (575) 390-4186 if you have any questions or comments.

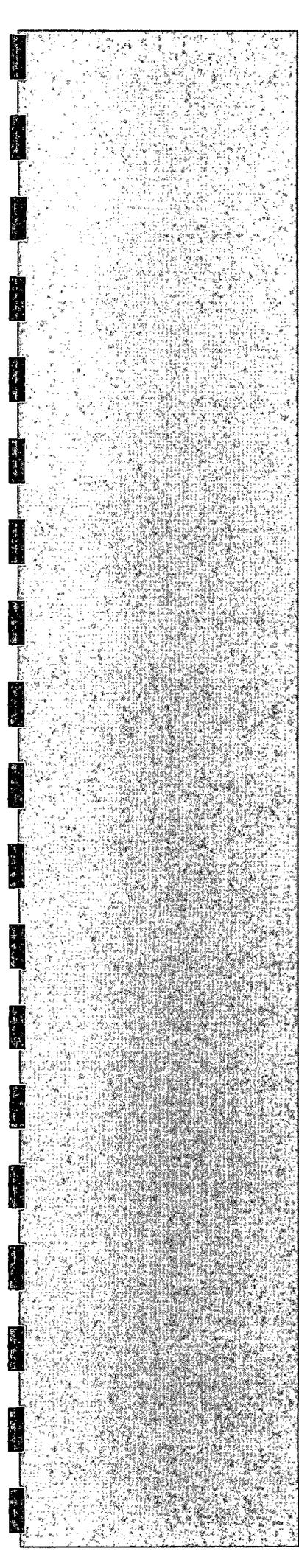
Sincerely,



Bruce Baker  
Head Foreman  
RECS  
(575) 631-5157

### Attachments:

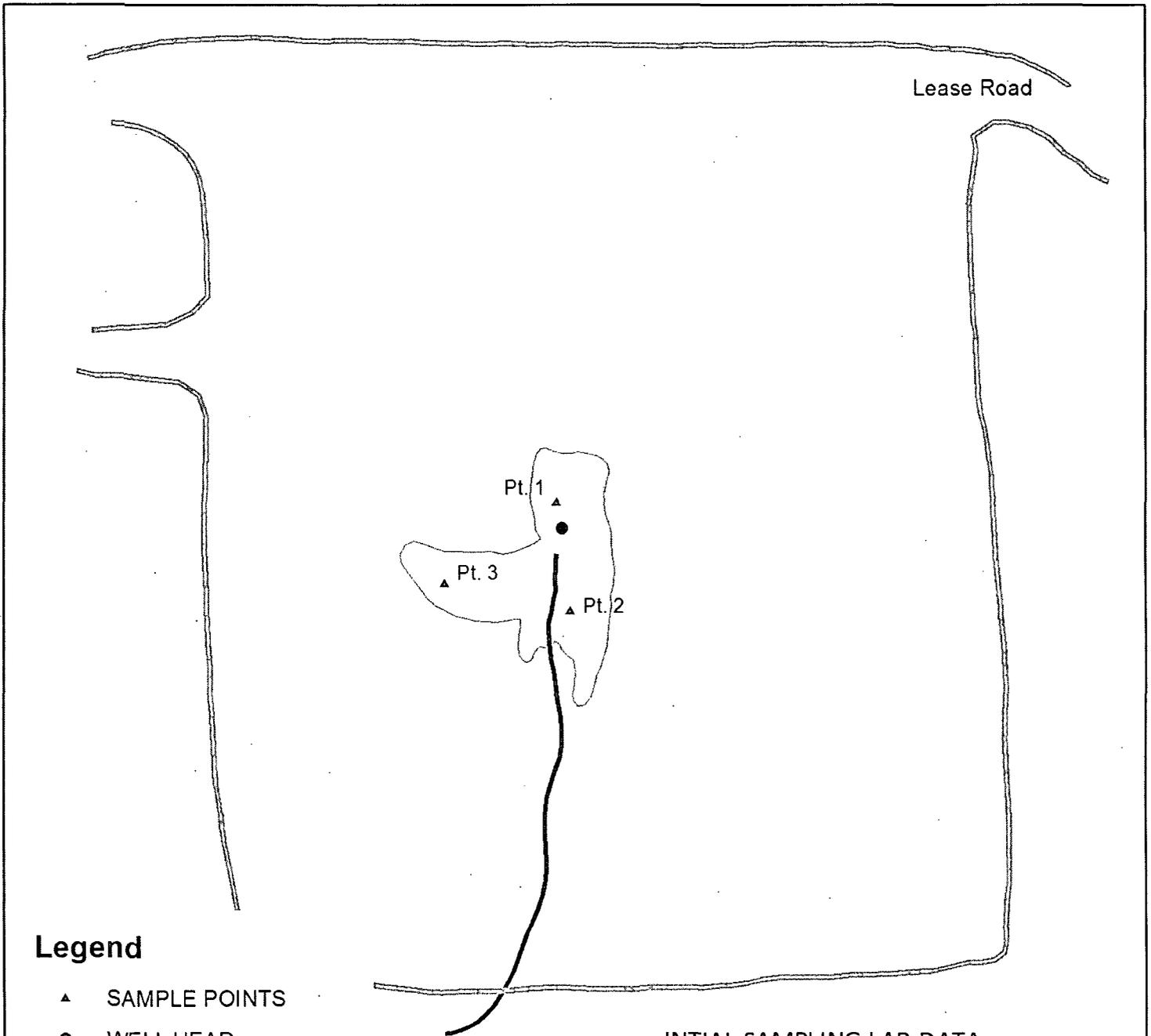
- Figure 1: Site Plat with Initial Sampling Lab Data
- Figure 2: Site Plat with Final Excavation Lab Data
- Appendix A: Initial Form C-141
- Appendix B: Site Photographs
- Appendix C: Laboratory Results
- Appendix D: Final Form C-141



# Figures

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 5630 Hobbs, NM 88241  
Phone 575.393.4411 Fax 575.393.0293

# Site Plat



## Legend

- ▲ SAMPLE POINTS
- WELL HEAD
- FLOW LINE
- ▬ LEASE ROAD
- ▬ WELL PAD
- ◻ LEAK AREA (2,354 sq ft)

## INITIAL SAMPLING LAB DATA

Sample Description	Cl-	GRO	DRO
Pt. 1 surface	8,600	10,700	18,900
Pt. 2 surface	12,000	4,750	11,100
Pt. 3 surface	10,000	10,600	18,100

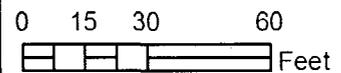
DGW ~ 45 ft



## Apache State C Track 13 Well 14 AD

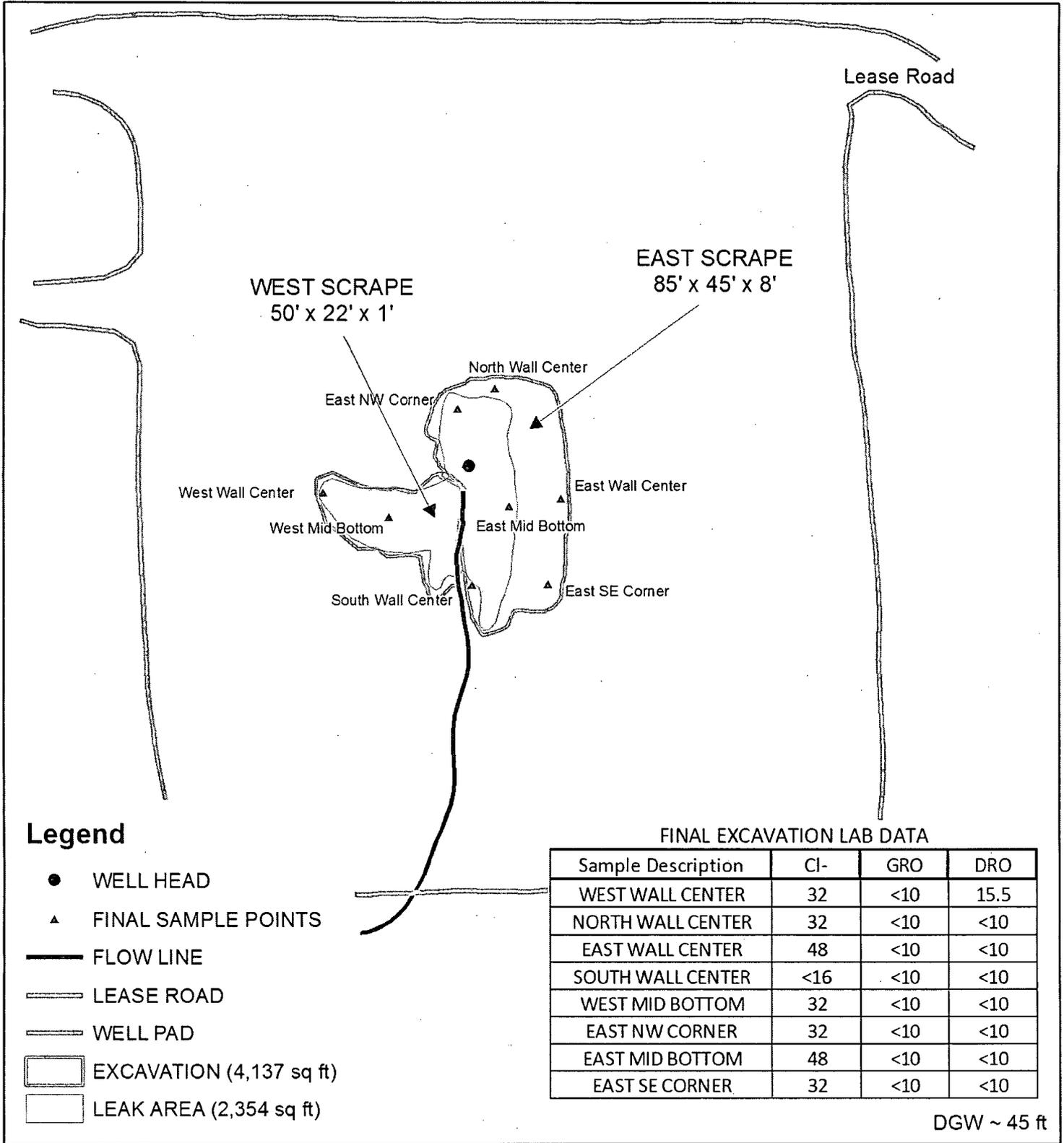
LEGALS: UL/ C&F sec. 36  
T21S R37E

## Figure 1



Drawing date: 8/29/11  
Drafted by: L. Weinheimer

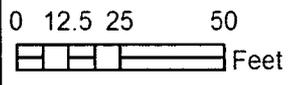
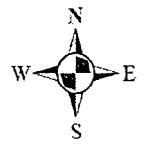
# Site Plat



**Apache**  
**State C Track 13**  
**Well 14 AD**

LEGALS: UL/ C&F sec. 36  
T21S R37E

**Figure 2**



Drawing date: 8/29/11  
Drafted by: L. Weinheimer

# Appendix A

Initial Form C-141

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 5630 Hobbs, NM 88241  
Phone 575.393.4411 Fax 575.393.0293

District I  
1625 N. French Dr., Hobbs, NM 88240  
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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 August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company Apache Corporation	Contact Natalie Gladden
Address PO Box 1849 Eunice, NM 88231	Telephone No. 575-390-4186
Facility Name State C Tract 13 #14	Facility Type Production well
Surface Owner Wallach	Mineral Owner State of NM
API No. 30-025-39286	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	36	21S	37E	1331	FNL	1530	FWL	Lea

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

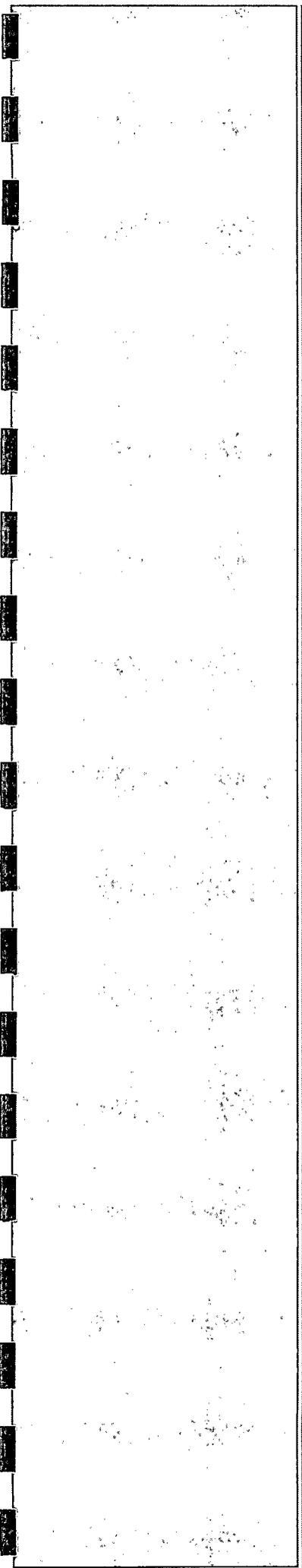
**NATURE OF RELEASE**

Type of Release Produced water/Oil Mixture	Volume of Release 10	Volume Recovered 0
Source of Release Stuffing Box Leak	Date and Hour of Occurrence 08/26/11	Date and Hour of Discovery same
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.* Stuffing box leak was found. Due unavailability of vacuum trucks, caliche was brought in to dry up standing fluid's then that material was excavated and hauled to Sundance Disposal.		
Describe Area Affected and Cleanup Action Taken.* Contamination area will be excavated to NMOCD Standards.		

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Natalie Gladden	Approved by Environmental Specialist:	
Title: EHS Environmental Tech	Approval Date:	Expiration Date:
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 8/26/11 Phone: 575-390-4186		

\* Attach Additional Sheets If Necessary



# Appendix B

## Site Photographs

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 5630 Hobbs, NM 88241  
Phone 575.393.4411 Fax 575.393.0293

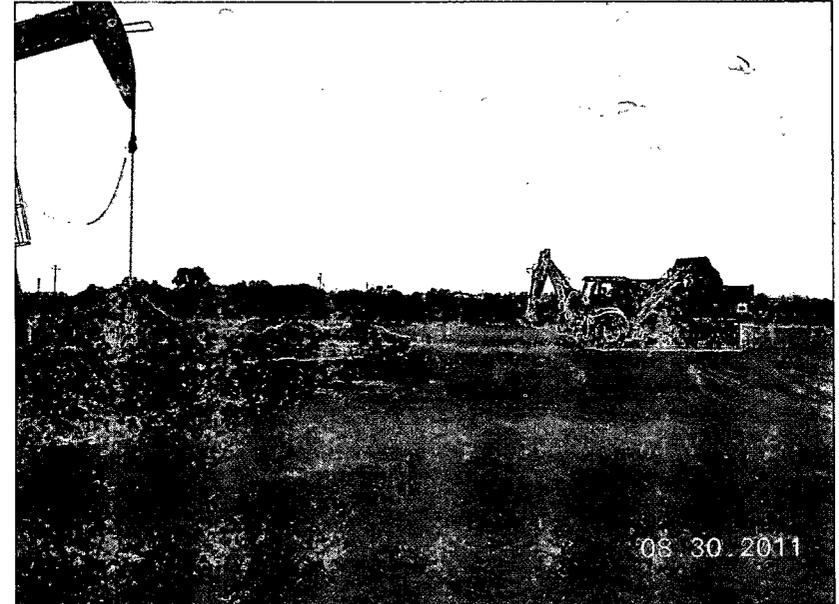
# State C Tract 13 #4

Unit Letter F, Section 36, T21S R37E



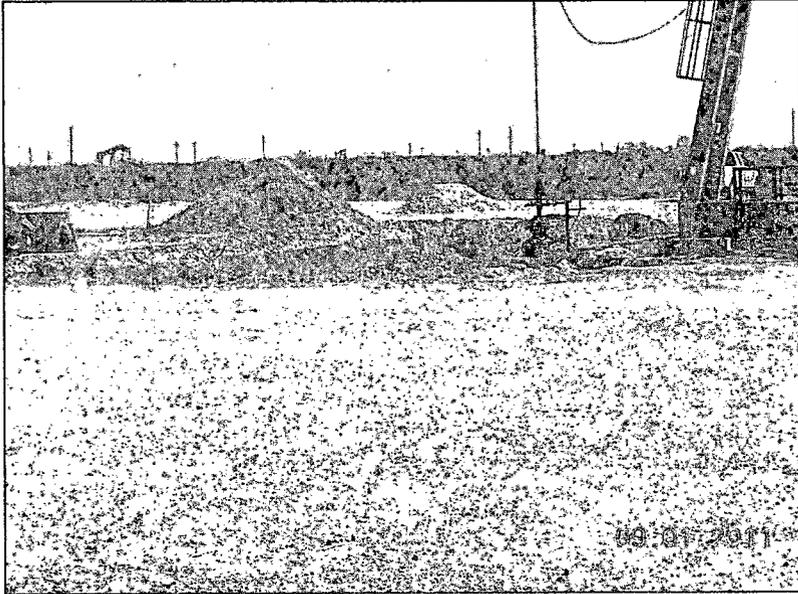
Initial release, facing northwest

8/26/2011



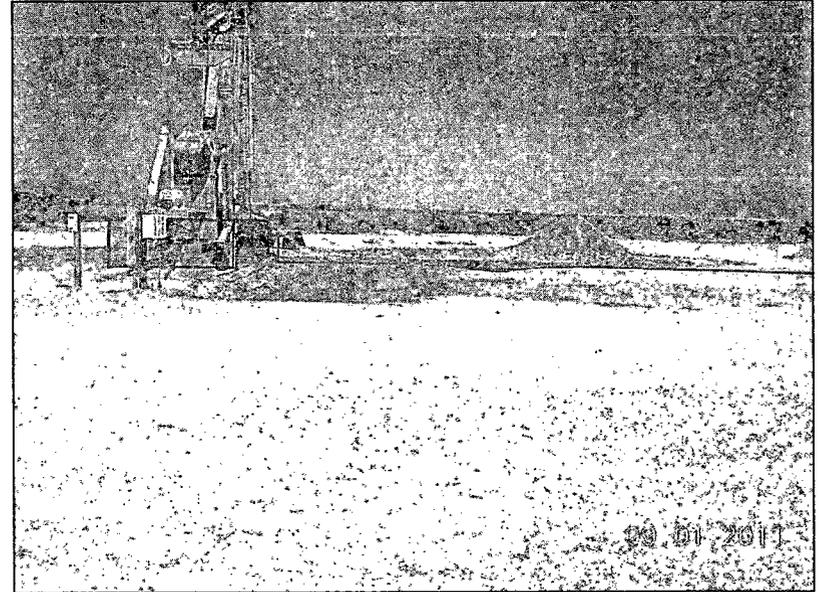
Exporting soil, facing north

8/30/2011



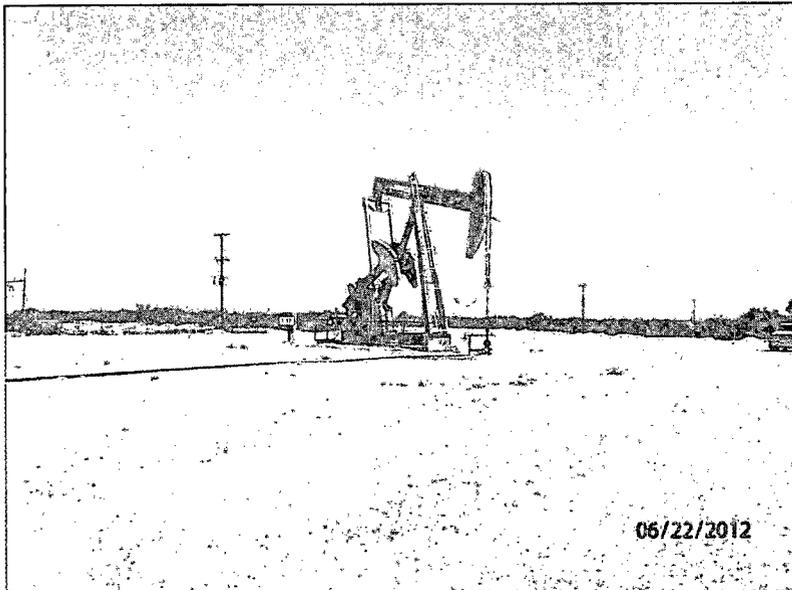
Final excavation, facing south

9/1/2011



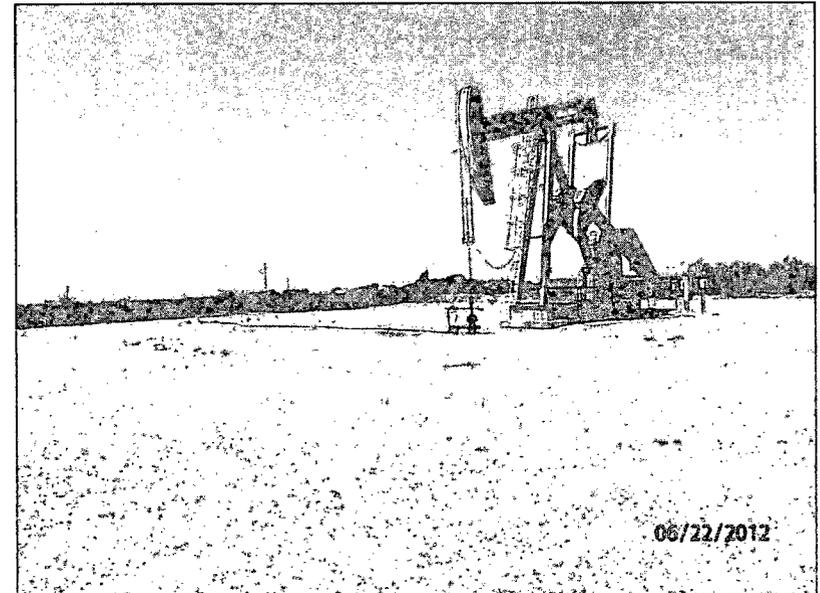
Final excavation, facing east

9/1/2011



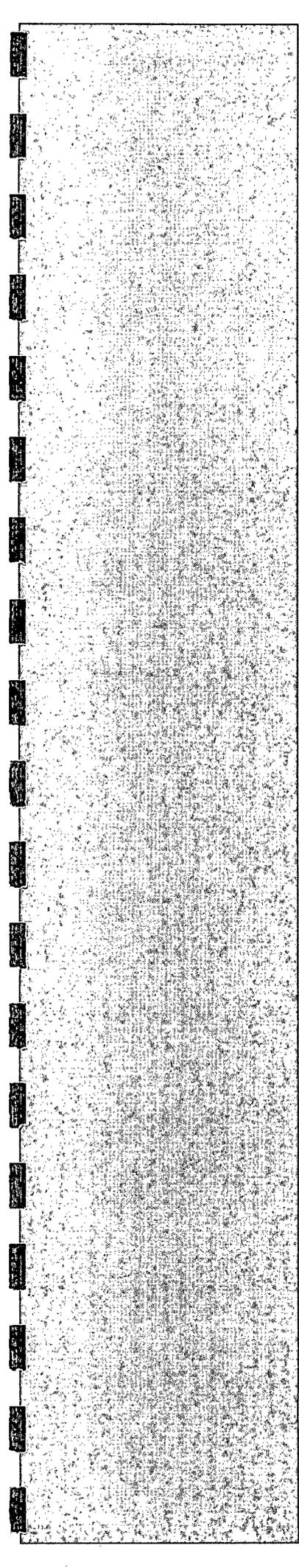
Site complete, facing northwest

6/22/2012



Site complete, facing southwest

6/22/2012



# Appendix C

Laboratory Results

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 5630 Hobbs, NM 88241  
Phone 575.393.4411 Fax 575.393.0293

**Analytical Results For:**

 APACHE - EUNICE  
 NATALIE GLADDEN  
 P. O. BOX 1849  
 EUNICE NM, 88231  
 Fax To: 394-2425

Received:	09/01/2011	Sampling Date:	08/26/2011
Reported:	09/07/2011	Sampling Type:	Soil
Project Name:	STATE C TRACT 13 WELL #014	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ SURFACE (H101860-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>8600</b>	16.0	09/02/2011	ND	416	104	400	7.41		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>10700</b>	100	09/04/2011	ND	174	87.2	200	0.657		
<b>DRO &gt;C10-C28</b>	<b>18900</b>	100	09/04/2011	ND	177	88.3	200	0.760		

Surrogate: 1-Chlorooctane 225 % 55.5-154  
 Surrogate: 1-Chlorooctadecane 89.5 % 57.6-158

**Sample ID: SP 2 @ SURFACE (H101860-02)**

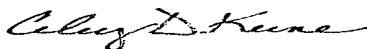
Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>12000</b>	16.0	09/02/2011	ND	416	104	400	7.41		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>4750</b>	100	09/04/2011	ND	174	87.2	200	0.657		
<b>DRO &gt;C10-C28</b>	<b>11100</b>	100	09/04/2011	ND	177	88.3	200	0.760		

Surrogate: 1-Chlorooctane 180 % 55.5-154  
 Surrogate: 1-Chlorooctadecane 94.1 % 57.6-158

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 APACHE - EUNICE  
 NATALIE GLADDEN  
 P. O. BOX 1849  
 EUNICE NM, 88231  
 Fax To: 394-2425

Received:	09/01/2011	Sampling Date:	08/26/2011
Reported:	09/07/2011	Sampling Type:	Soil
Project Name:	STATE C TRACT 13 WELL #014	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

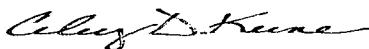
**Sample ID: SP 3 @ SURFACE (H101860-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>10000</b>	16.0	09/02/2011	ND	416	104	400	7.41		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>10600</b>	100	09/06/2011	ND	174	87.2	200	0.657		
<b>DRO &gt;C10-C28</b>	<b>18100</b>	100	09/06/2011	ND	177	88.3	200	0.760		
<i>Surrogate: 1-Chlorooctane</i>	<i>230 %</i>	<i>55.5-154</i>								
<i>Surrogate: 1-Chlorooctadecane</i>	<i>92.7 %</i>	<i>57.6-158</i>								

Cardinal Laboratories

\*=Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 APACHE - EUNICE  
 NATALIE GLADDEN  
 P. O. BOX 1849  
 EUNICE NM, 88231  
 Fax To: 394-2425

 Received: 09/02/2011  
 Reported: 09/07/2011  
 Project Name: STATE C TRACT 13 WELL #014  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 09/01/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: WEST WALL CENTER (H101872-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>32.0</b>	16.0	09/06/2011	ND	400	100	400	7.69		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/06/2011	ND	160	79.9	200	0.555		
<b>DRO &gt;C10-C28</b>	<b>15.5</b>	10.0	09/06/2011	ND	157	78.3	200	2.57		

Surrogate: 1-Chlorooctane 113 % 55.5-154  
 Surrogate: 1-Chlorooctadecane 113 % 57.6-158

**Sample ID: NORTH WALL CENTER (H101872-02)**

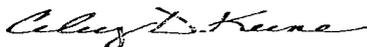
Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>32.0</b>	16.0	09/06/2011	ND	400	100	400	7.69		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/07/2011	ND	160	79.9	200	0.555		
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57		

Surrogate: 1-Chlorooctane 111 % 55.5-154  
 Surrogate: 1-Chlorooctadecane 113 % 57.6-158

Cardinal Laboratories

\* = Accredited Analyte

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 the 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.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 APACHE - EUNICE  
 NATALIE GLADDEN  
 P. O. BOX 1849  
 EUNICE NM, 88231  
 Fax To: 394-2425

Received:	09/02/2011	Sampling Date:	09/01/2011
Reported:	09/07/2011	Sampling Type:	Soil
Project Name:	STATE C TRACT 13 WELL #014	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: EAST WALL CENTER (H101872-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/06/2011	ND	400	100	400	7.69		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/07/2011	ND	160	79.9	200	0.555		
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57		

Surrogate: 1-Chlorooctane 108 % 55.5-154  
 Surrogate: 1-Chlorooctadecane 110 % 57.6-158

**Sample ID: SOUTH WALL CENTER (H101872-04)**

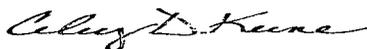
Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/06/2011	ND	400	100	400	7.69		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/07/2011	ND	160	79.9	200	0.555		
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57		

Surrogate: 1-Chlorooctane 110 % 55.5-154  
 Surrogate: 1-Chlorooctadecane 112 % 57.6-158

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 APACHE - EUNICE  
 NATALIE GLADDEN  
 P. O. BOX 1849  
 EUNICE NM, 88231  
 Fax To: 394-2425

Received:	09/02/2011	Sampling Date:	09/01/2011
Reported:	09/07/2011	Sampling Type:	Soil
Project Name:	STATE C TRACT 13 WELL #014	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: WEST MID BOTTOM (H101872-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>32.0</b>	16.0	09/06/2011	ND	400	100	400	7.69		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/07/2011	ND	160	79.9	200	0.555		
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57		

*Surrogate: 1-Chlorooctane* 102 % 55.5-154

*Surrogate: 1-Chlorooctadecane* 102 % 57.6-158

**Sample ID: EAST N.W. CORNER (H101872-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>32.0</b>	16.0	09/06/2011	ND	400	100	400	7.69		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/07/2011	ND	160	79.9	200	0.555		
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57		

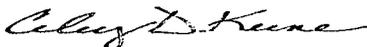
*Surrogate: 1-Chlorooctane* 105 % 55.5-154

*Surrogate: 1-Chlorooctadecane* 108 % 57.6-158

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\* = Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 APACHE - EUNICE  
 NATALIE GLADDEN  
 P. O. BOX 1849  
 EUNICE NM, 88231  
 Fax To: 394-2425

Received:	09/02/2011	Sampling Date:	08/31/2011
Reported:	09/07/2011	Sampling Type:	Soil
Project Name:	STATE C TRACT 13 WELL #014	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: EAST MID BOTTOM (H101872-07)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>48.0</b>	16.0	09/06/2011	ND	400	100	400	7.69		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/07/2011	ND	160	79.9	200	0.555		
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57		
<i>Surrogate: 1-Chlorooctane</i>		<i>106 %</i>	<i>55.5-154</i>							
<i>Surrogate: 1-Chlorooctadecane</i>		<i>108 %</i>	<i>57.6-158</i>							

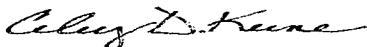
**Sample ID: EAST S.E. CORNER (H101872-08)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>32.0</b>	16.0	09/06/2011	ND	400	100	400	7.69		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/07/2011	ND	160	79.9	200	0.555		
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57		
<i>Surrogate: 1-Chlorooctane</i>		<i>107 %</i>	<i>55.5-154</i>							
<i>Surrogate: 1-Chlorooctadecane</i>		<i>109 %</i>	<i>57.6-158</i>							

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



# Appendix D

Final Form C-141

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 5630 Hobbs, NM 88241  
Phone 575.393.4411 Fax 575.393.0293

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

HOBBS OCD

APR 30 2012

RECEIVED

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 Corp.	Contact	Natalie Gladden
Address	P.O. Box 1849, Eunice, NM, 88231	Telephone No.	(575) 390-4186
Facility Name	State C Tract 13 #14	Facility Type	Production Well
Surface Owner	Wallach	Mineral Owner	State of NM
		Lease No.	30-025-39286

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	36	21S	37E	450	FNL	990	FWL	Lea

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**

Type of Release	Produced Water/Oil Mixture	Volume of Release	10 bbl	Volume Recovered	0 bbl
Source of Release	Back pressure valve	Date and Hour of Occurrence	08/26/11	Date and Hour of Discovery	08/26/11
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
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.\*

DTW = 51'

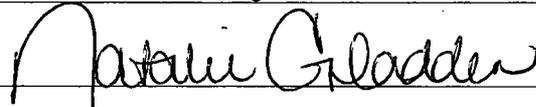
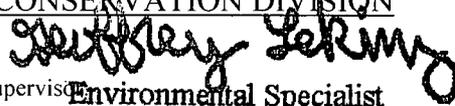
Describe Cause of Problem and Remedial Action Taken.\*

Stuffing box leak was found. Due to unavailability of vacuum trucks, caliche was brought in to dry up standing fluids then that material was excavated and hauled to Sundance Disposal.

Describe Area Affected and Cleanup Action Taken.\*

The leak affected the caliche pad surrounding the wellhead. Impacted soils were removed to a NMOCD approved disposal facility. Representative soil samples were collected from the excavation and sent to a commercial laboratory for chloride and TPH confirmation. The excavation was backfilled with clean caliche and contoured to the surrounding 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 Environmental Specialist	
Title:	EH&S Environmental Tech	Approval Date:	04/30/12
E-mail Address:	Natalie.gladden@apachecorp.com	Expiration Date:	-
Date:	11/9/12	Conditions of Approval:	-
Phone:	(575) 390-4186	Attached	<input type="checkbox"/>

IRP-06-14-3079

\* Attach Additional Sheets If Necessary