

# APACHE CORPORATION

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

# NFE Federal #6

# Closure Report

2RP-1194

API 30-015-37361

Release Date: June 22, 2012

Unit Letter J, Section 8, Township 17S, Range 31E

## Rice Environmental Consulting & Safety

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

#### July 31, 2012

Mike Bratcher New Mexico Energy, Minerals, & Natural Resources Oil Conservation Division, Environmental Bureau – District 2 811 S. First St. Artesia, NM 88210

> RE: TERMINATION REQUEST Apache – NFE Federal #6 AD UL/J sec. 8 T17S R31E API No. 30-015-37361 2RP-1194

#### Mr. Bratcher:

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 oil and produced water associated with the NFE Federal #6. A flow line ruptured and released fluids onto a lease road and pasture land. The line was repaired and an initial form C-141 was submitted by Apache Corporation on June 22, 2012 (Appendix A). The site is located approximately 6 miles east of Loco Hills, in unit letter 'J' of section 8, T17S, R31E in Eddy County, New Mexico.

On June 25, 2012, RECS personnel initiated work on the NFE Federal #6 (Figure 1). Soil samples were collected at surface and at depth. The samples were field tested for chloride and 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 (Appendix C). The Point #1 sample from 2.5 ft. below ground surface (bgs), near the leak source, contained <16 mg/kg chloride and <10 mg/kg TPH. The Point #2 sample from 2 ft. bgs contained <16 mg/kg chloride and 10.9 mg/kg TPH. The Point #4 sample from 2.5 ft. bgs contained 32 mg/kg chloride and 10.9 mg/kg TPH. The Point #4 sample from 2.5 ft. bgs contained 32 mg/kg chloride and 11.6 mg/kg TPH.

The leak area was excavated to the respective clean sample depths of 1.5 to 2.5 ft. bgs (Figure 2). Impacted soils were removed from the excavation and transported to a NMOCD approved disposal facility. The excavation in the pasture area was backfilled with clean topsoil and contoured to the surrounding area. The excavation in the lease road was backfilled with caliche and leveled. 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

Bruce Baden

**RECS** 

(575) 631-5157

#### Attachments:

Figure 1:

Site Plat with Sample Lab Data

Figure 2:

Site Plat with Site Excavation

Appendix A:

Initial Form C-141

Appendix B:

Site Photographs

Appendix C: Laboratory Results

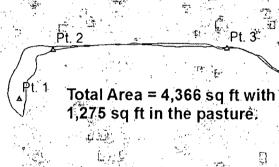
Appendix D: Final Form C-141



# Site Plat

Point #1										
Sample Description	CI-	PID	LAB CI-	GRO	DRO					
PT 1 SURFACE	7481	7.5	10,000	<10	338					
PT 1 @ 6"	6906	0.7								
PT 1 @ 1'	600	0.5								
PT 1 @ 1'6''	602	0								
PT 1 @ 2'	186	0	<16	<10	16.3					
PT 1 @ 2'6"	138	1.7	<16	<10	<10					

		)	Point #2		
DRO	GRO	LAB CI-	PID	Cl-	Sample Description
3,270	<50	12,600	13.7	7712	PT 2 SURFACE
			5.8	415	PT 2 @ 6"
			6.8	402	PT 2 @ 1'
17.7	<10	208	4.5	216	PT 2 @ 1'6''
<10	<10	32	0.9	184	PT 2 @ 2'
			4.5	216 184	PT 2 @ 1'6''



		Point #	3		
Sample Description	CI-	PID	LAB CI-	GRO	DRO
PT 3 SURFACE	12680	140	18,800	127	12,800
PT 3 @ 6"	523	11.9			
PT 3 @ 6" PT 3 @ 1' PT 3 @ 1'6''	210	2.5	64	<10	28.7
PT 3 @ 1'6"	223	0	<16	<10	10.9

Ğ		Point #4	1		
Sample Description	Cl-	PID	LAB CI-	GRO	DRO
PT 4 SURFACE	7366	4113	11,800	1,220	6,930
PT 4 @ 6"	643	47			
PT 4 @ 1'	595	8.6			
PT 4 @ 1'6''	695	2.1			
PT 4 @ 2'	167	5.7	32	<10	16.3
PT 4 @ 2'6"	171	2.6	32	<10	11.6

## Legend

- SAMPLE POINTS
- INJECTION WELLHEAD

STAIN

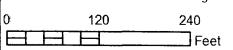


# APACHE NFE #6 AD

LEGALS: UL/M sec. 8 T-17-S R-31-E EDDY COUNTY, NM

# Figure 1





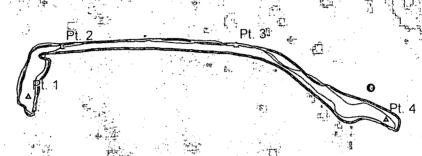
GPS date: 6/25/12 RP Drawing date: 7/2/12 Drafted by: L. Weinheimer

# Site Plat

		Point #3	1		
Sample Descripton	Cl-	PID	LAB CI-	GRO	DRO
PT 1 SURFACE	7481	7.5	10,000	<10	338
PT 1 @ 6"	6906	0.7_			
PT 1 @ 1'	600	0.5			
PT 1 @ 1'6''	602	0			
PT 1 @ 2'	186	0	<16	<10	16.3
PT 1 @ 2'6''	138	1.7	<16	<10	<10

<u> </u>	\	·	<u>. 1</u>		. T
		Point #2	2		
Sample Descripton 2	CI-	PID	LAB CI-	GRO	DRO
PT 2 SURFACE	7712	13.7	12,600	<50	3,270
PT 2 @ 6"	415	5.8			
PT 2 @ 1'	402	6.8			
PT 2 @ 1'6''	216	4.5	208	<10	17.7
PT 2 @ 2'	184	0.9	32	<10	<10

Total Area = 4,366 sq ft with 1,275 sq ft in the pasture.



Point #3								
Sample Descripton 2	Cl-	PID	LAB CI-	GRO	DRO			
PT 3 SURFACE	12680	140	18,800	127	12,800			
PT 3 @ 6"	523	11.9	I					
PT 3 @ 1'	210	2.5	64	<10	28.7			
PT 3 @ 1'6''	223	0	<16	<10	10.9			

		Point #4	ţ		
Sample Descripton 2	CI-	PID	LAB CI-	GRO	DRO
PT 4 SURFACE	7366	4113	11,800	1,220	6,930
PT 4 @ 6''	643	47			
PT 4 @ 1'	595	8.6			
PT 4 @ 1'6"	695	2.1			
PT 4 @ 2'	167	5.7	32	<10	16.3
PT 4 @ 2'6"	171	2.6	32	<10	11.6

## Legend

- SAMPLE POINTS
- INJECTION WELLHEAD

SCRAPE

STAIN



# APACHE NFE #6 AD

LEGALS: UL/M sec. 8 T-17-S R-31-E EDDY COUNTY, NM Figure 2



0 120 240 \ Feet

GPS date: 7/6/12 DH Drawing date: 7/9/12 Drafted by: L. Weinheimer

# Appendix A Initial Form C-141

## 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													
nTMI	1218	03660	66			<b>OPERA</b>	ГOR		<b>⊠</b> Initi	al Report		Final Report		
Name of Co	mpany A	pache Corpo	ration	813		Contact Natalie Gladden								
Address PO			1 88231				No. 575-390-41							
Facility Nan	ne NFE F	ederal #6	······································			Facility Typ	e Production w	/ell						
Surface Own	ner BLM			Mineral C	)wner	State			Lease N	No. 30-015	-3736	1		
				LOCA		N OF RE	LEASE							
Unit Letter	nit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line									County	County			
J	8	17S	31E	1650	FSL		990	FEL		Lear E	oldh	1		
			La	titude		Longitud	le					7		
	NATURE OF RELEASE													
Type of Rele	ase Oil/Wa	iter					Release 20		Volume I	Recovered	15			
Source of Release Flowline							lour of Occurrence	ce		Hour of Dis		,		
Was Immedia	ate Notice C		Yes [	] No □ Not R	equired	If YES, To Whom?  d Mike Bratcher								
By Whom? Natalie Gladden Date and Ho								m						
Was a Water		hed?		-		olume Impacting		tercourse.						
☐ Yes ⊠ No														
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.	<b>‡</b>										
		em and Reme		on Taken.* pumper. Leak w	as due to	Corrosion	The standing fluid	l was re	covered by	a vacuum tr	nok I	ocation was		
		all was made			as uuc ii	CONOSION.	The standing huld	was ic	covered by					
										RE	CEI	VED		
		and Cleanup / ediated to me		ken.* IOCD and BLM R	Remedia	tion Standard	s to closure.			JU	N 27	2012		
										NMO	CD A	RTESIA		
I hereby certi	fy that the i	information of	ven abov	e is true and comp	elete to t	he hest of my	knowledge and i	ındersta	and that nur					
				nd/or file certain										
public health	or the envi	ronment. The	acceptan	ce of a C-141 rep	ort by th	e NMOCD n	narked as "Final P	leport"	does not rel	lieve the ope	rator o	f liability		
				y investigate and i ptance of a C-141										
		ws and/or regu		plance of a C-141	report	ioes not tene	ve the operator of	respons	Sidility lot (	compnance	with an	y omer		
, , , , ,			$\overline{\bigcirc}$	^		· · · · · · · · · · · · · · · · · · ·	OIL CON	SERV	VATION	DIVISI	ON	<del></del>		
Signature:	_b	ble	( )	Ladden			Signed	By Z	11/4 1	SKAMMUS	# <u></u>	-		
Printed Name	e: Natalie (	Gladden		-	1		District Supervis							
Title: EHS E						Approval Da	JUN 28 21	012	Expiration	Date:				

\* Attach Additional Sheets If Necessary

E-mail Address: natalie.gladden@apachecorp.com

Phone: 575-390-4186

Date: 6/22/12

Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION

Conditions of Approval:

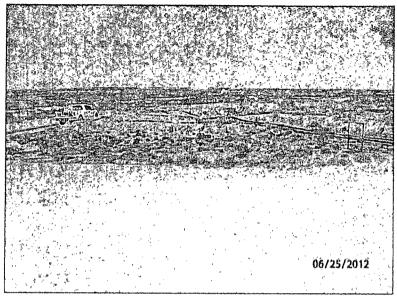
PROPOSAL NOT LATER THAN:

Attached [



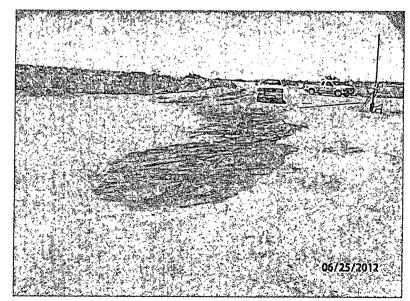
## NFE Federal #6 AD

Unit Letter J, Section 8, T17S, R31E



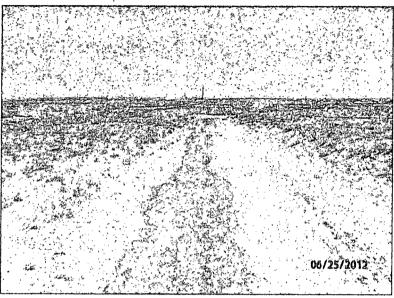
Initial release area, facing east

6/25/12



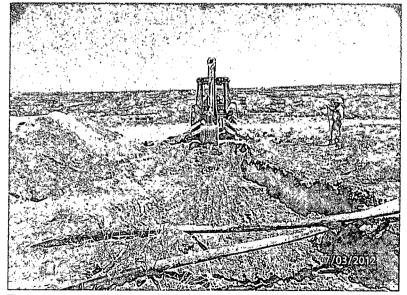
Initial release area, facing south

6/25/12



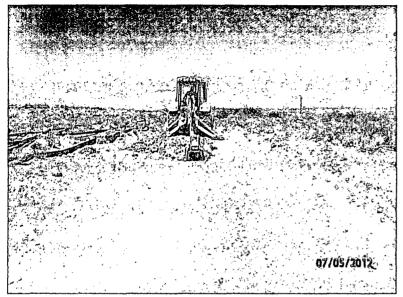
Initial release area, facing east

6/25/12



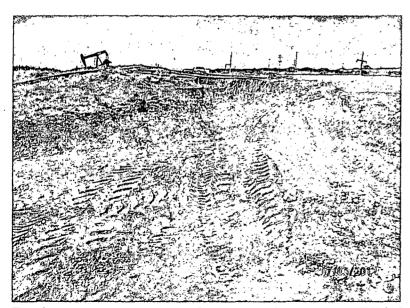
Excavating pasture, facing north

7/3/12



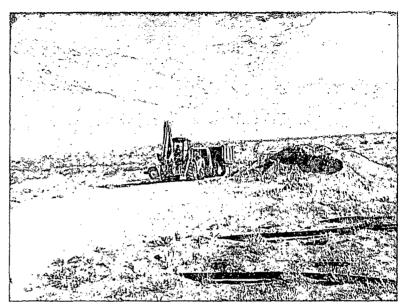
Excavating road, facing west

7/5/12



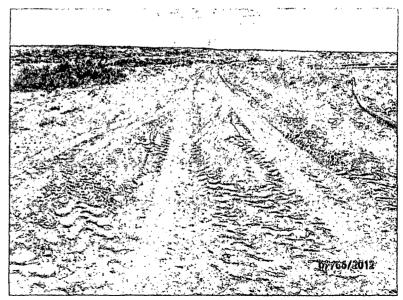
Final pasture excavation, facing south

7/6/12



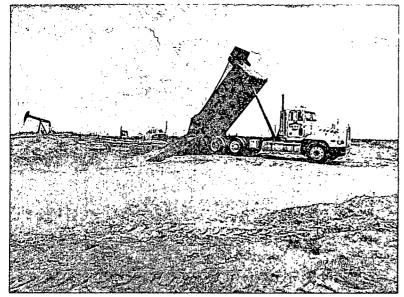
Exporting soil, facing north

7/6/12



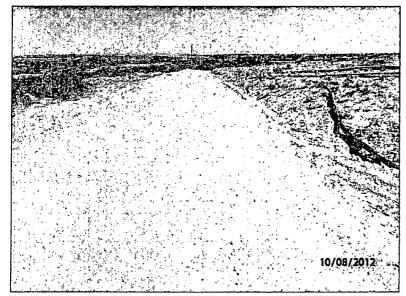
Final road excavation, facing east

7/6/12



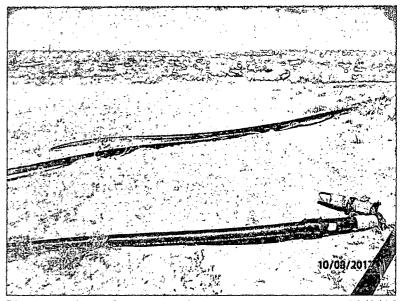
Importing backfill, facing south

7/9/12



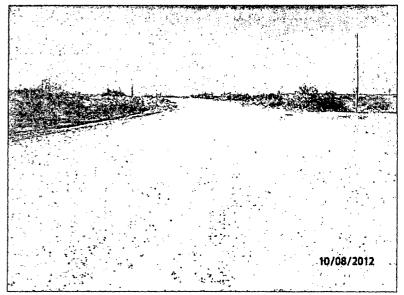
Site complete, facing east

10/8/12



Site complete, facing north

10/8/12



Site complete, facing west

10/8/12





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

Received:

06/25/2012

Reported:

06/27/2012

Project Name: Project Number: NFE #6 AD NONE GIVEN

Project Location:

LOCO HILLS, NM

Sampling Date:

06/25/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: PT. 1 SURFACE (H201437-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	06/26/2012	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/26/2012	ND	189	94.3	200	1.31	
DRO >C10-C28	338	10.0	06/26/2012	ND	203	102	200	2.73	
Surrogate: 1-Chlorooctane	84.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	98.9	% 63.6-15	4						

#### Sample ID: PT. 1 @ 2' (H201437-02)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/26/2012	NĐ	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/26/2012	ND .	189	94.3	200	1.31	
DRO >C10-C28	16.3	10.0	06/26/2012	ND	203	102	200	2.73	
Surrogate: 1-Chlorooctane	76.3	% 65.2-14	0						· · · · · · · · · · · · · · · · · · ·
Surrogate: 1-Chlorooctadecane	90.3	% 63.6-15	4						

#### Cardinal Laboratories

\*=Accredited Analyte

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Celey & Keene





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

Received:

06/25/2012

Sampling Date:

06/25/2012

Reported:

06/27/2012

Sampling Type:

Soil

Project Name:

NFE #6 AD

Sampling Condition:

Sample Received By:

Cool & Intact Jodi Henson

Project Number:

NONE GIVEN

Project Location:

LOCO HILLS, NM

Sample ID: PT. 1 @ 2'6" (H201437-03)

	h	lor	ide	:, S	Μ4	50	OC.	J-	В
	_				_		_	_	_

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m	а	1	ĸ

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/26/2012	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/26/2012	ND	189	94.3	200	1.31	
DRO >C10-C28	<10.0	10.0	06/26/2012	ND	203	102	200	2.73	

Surrogate: 1-Chlorooctane

77.7 %

65.2-140

Surrogate: 1-Chlorooctadecane

92.2 %

63.6-154

#### Sample ID: PT. 2 SURFACE (H201437-04)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM			· · · · · · · · · · · · · · · · · · ·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>12600</b> 16.0		06/26/2012	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS		<u></u>	· · ·		
Analyte			Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/26/2012	ND	189	94.3	200	1,31	
DRO >C10-C28	3270	50.0	06/26/2012	ND	203	102	200	2.73	

Surrogate: 1-Chlorooctane

68.9 %

65.2-140

Surrogate: 1-Chlorooctadecane

143 %

63.6-154

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\*=Accredited Analyte

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Celey D. Keene



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

Received:

06/25/2012

Sampling Date:

06/25/2012

Reported:

06/27/2012

Sampling Type:

Soil

Project Name:

NFE #6 AD NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

LOCO HILLS, NM

Sample ID: PT. 2 @ 1' 6" (H201437-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d Ву: НМ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/26/2012	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/26/2012	· ND	189	94.3	200	1.31	
DRO >C10-C28	17.7	10.0	06/26/2012	ND	203	102	200	2.73	

Surrogate: 1-Chlorooctane

95.4%

65.2-140

Surrogate: 1-Chlorooctadecane

110%

104%

63.6-154

63.6-154

#### Sample ID: PT. 2 @ 2' (H201437-06)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM		•			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride			06/26/2012	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/26/2012	ND	189	94.3	200	1.31	
DRO >C10-C28	<10.0	10.0	06/26/2012	ND	203	102	200	2.73	

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

\*=Accredited Analyte

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Celey D. Kune



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

Received:

06/25/2012

Sampling Date:

06/25/2012

Reported:

06/27/2012

Sampling Type:

Soil

Project Name:

NFE #6 AD

Sampling Condition: Sample Received By:

Cool & Intact Jodi Henson

Project Number: Project Location: NONE GIVEN

LOCO HILLS, NM

Sample ID: PT. 3 SURFACE (H201437-07)

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chioride	18800	16.0	06/26/2012	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	127	50.0	06/26/2012	ND	189	94.3	200	1.31	
DRO >C10-C28	12800	50.0	06/26/2012	ND	203	102	200	2.73	

Surrogate: 1-Chlorooctane

95.1 %

65.2-140

Surrogate: 1-Chlorooctadecane

235 %

98.5 %

63.6-154

63.6-154

#### Sample ID: PT. 3 @ 1' (H201437-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM		<u></u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	Ŕ₽D	Qualifier
Chloride	<b>64.0</b> 16.0		06/26/2012	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte			Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/26/2012	ND	189	94.3	200	1.31	
DRO >C10-C28	28.7	10.0	06/26/2012	ND	203	102	200	2.73	
Surrogate: 1-Chlorooctane	87.0	% 65.2-14	0						

#### Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

\*=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 walved 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 daim 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



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

Received:

06/25/2012

Sampling Date:

06/25/2012

Reported:

06/27/2012

Sampling Type:

Soil

True Value QC

400

200

102

Project Name:

NFE #6 AD

Sampling Condition: Sample Received By:

203

Cool & Intact Jodi Henson

RPD

0.00

2.73

Qualifier

Project Number:

NONE GIVEN

Project Location:

LOCO HILLS, NM

Sample ID: PT. 3 @ 1' 6" (H201437-09) Chloride, SM4500CI-B

Analyzed By: HM

06/26/2012

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery <16.0 16.0 06/26/2012 ND Chloride 416 104 Analyzed By: MS **TPH 8015M** mg/kg

Reporting Limit Analyte Result Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier <10.0 10.0 06/26/2012 ND 200 GRO C6-C10 189 94.3 1.31

ND

DRO >C10-C28 10.9 10.0 Surrogate: 1-Chlorooctane 77.7%

65.2-140

Surrogate: 1-Chlorooctadecane

90.6 %

63.6-154

#### Sample ID: PT. 4 SURFACE (H201437-10)

Chloride, SM450UCI-B	mg,	/кд	Analyze	а ву: нм					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11800	16.0	06/26/2012	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1220	50.0	06/26/2012	ND	189	94.3	200	1.31	
DRO >C10-C28	6930	50.0	06/26/2012	ND	203	102	200	2,73	

Surrogate: 1-Chlorooctane

197%

65.2-140

Surrogate: 1-Chlorooctadecane

194%

63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celeg & Keene



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

Received:

06/25/2012

Sampling Date:

06/25/2012

Reported:

06/27/2012

Sampling Type:

Soil

Project Name:

NFE #6 AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LOCO HILLS, NM

Sample ID: PT. 4 @ 2' (H201437-11)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/26/2012	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	. BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/26/2012	ND	189	94.3	200	1.31	
DRO >C10-C28	16.3	10.0	06/26/2012	ND	203	102	200	2.73	

Surrogate: 1-Chlorooctane

78.4%

65.2-140

Surrogate: 1-Chlorooctadecane

90.9 %

63.6-154

#### Sample ID: PT. 4 @ 2' 6" (H201437-12)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte Res		Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/26/2012	ND .	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS			···		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/26/2012	ND	189	94.3	200	1.31	
DRO >C10-C28	11.6	10.0	06/26/2012	ND	203	102	200	2.73	

Surrogate: 1-Chlorooctane

79.6%

65.2-140

Surrogate: 1-Chlorooctadecane

95.1%

63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keine



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

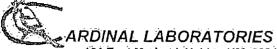


101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#26



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476; (325) 673-7001 FAX (325)673-7020

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<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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 October 10, 2003

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																
		OPERA'			Initia	al Report	$\boxtimes$	Final Report									
						Contact Natalie Gladden											
Address P.O. Box 1849, Eunice, NM, 88231 Facility Name NFE Federal #6						Telephone No. (575) 390-4186  Facility Type Production Well											
Surface Owner BLM Mineral Owner						State API No. 30-015-37361											
				LOCA	OITA	N OF RE	LEASE			-							
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/V	Vest Line	County	County						
J	8	17S	31E	1650	FSL		990	FEL		Eddy	Eddy						
		Longitude															
NATURE OF RELEASE																	
Type of Rele	ase Oil/V	Volume of Release 20 bbls Volume Re				Recovered	ecovered 15 bbls										
Source of Release Flowline										nd Hour of Discovery							
Was Immediate Notice Given?						6/22/2012 6/22/2012 5 p				2 3 pm							
☐ Yes ☐ No ☐ Not Required						Mike Bratcher											
By Whom? Natalie Gladden						Date and Hour 6/22/2012 7 pm											
Was a Watercourse Reached?  ☐ Yes ☒ No						If YES, Volume Impacting the Watercourse.											
If a Watercourse was Impacted, Describe Fully.*																	
If a watercourse was impacted, Describe Fully.																	
Describe Cause of Problem and Remedial Action Taken.*																	
The steel flow line was found by a Linn Energy pumper. Leak was due to corrosion. The standing fluid was recovered by a vacuum truck. Location was																	
back-dragge	back-dragged until one-call was made and cleared.																
		and Cleanup															
				et including a leas The leak was exc													
excavation in	n the pasture	e was backfill	ed with clo	ean imported tops													
backfilled w	ith clean im	ported caliche	e and level	ed.													
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.						OIL CONSERVATION DIVISION											
Signature: Malle Jadden						Car C. C. 10021 1 2021 2021 2021 101011											
1 10000						Approved by District Supervisor:											
Printed Name: Natalie Gladden																	
Title: EH&S Environmental Tech						Approval Da	Approval Date: Expiration		Date:								
E-mail Address: Natalie.gladden@apachecorp.com						Conditions of Approval:				Au. 1 1 🗔							
11	9/17	**				Attached											
	itional She	ets If Necess		: (3/3) 390-4186		Date: Phone: (575) 390-4186  * Attach Additional Sheets If Necessary											