



EXPLORING WHAT'S POSSIBLE

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 32 mg/kg chloride and <10 mg/kg TPH. The Point #3 sample from 1.5 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 11.6 mg/kg TPH.

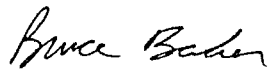
The leak area was excavated to the respective clean sample depths of 1.5 to 2.5 ft. bgs (Figure 2). Impacted soils were removed from the excavation and transported to a NMOCD approved disposal facility. The excavation in the pasture area was backfilled with clean topsoil and contoured to the surrounding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

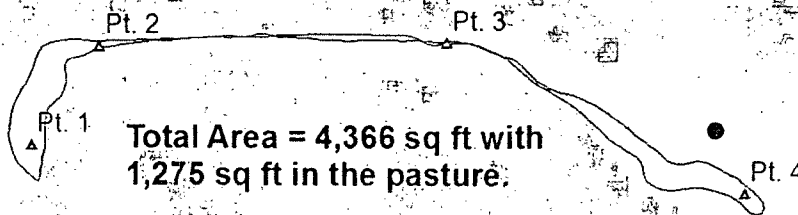
Figures

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

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					
Sample Description	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



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 @ 1'	210	2.5	64	<10	28.7
PT 3 @ 1'6"	223	0	<16	<10	10.9

Point #4					
Sample Description	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

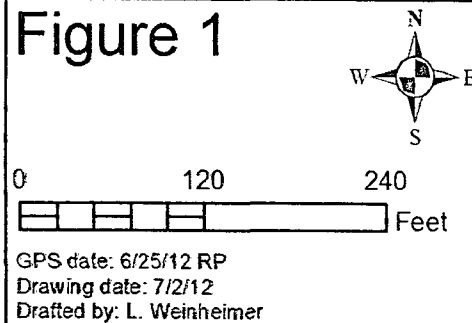
- ▲ SAMPLE POINTS
- INJECTION WELLHEAD
- STAIN



APACHE NFE #6 AD

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

Figure 1

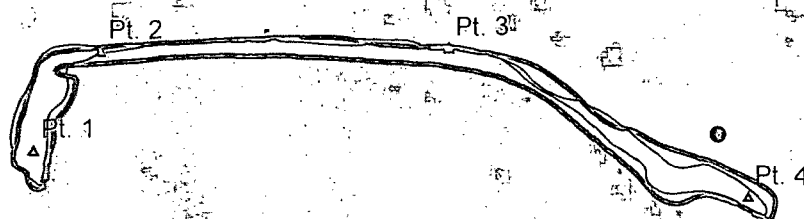


Site Plat

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			
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PT 1 @ 2'	186	0	<16	<10	16.3
PT 1 @ 2'6"	138	1.7	<16	<10	<10

Point #2					
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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.



Legend

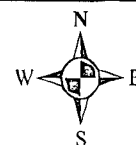
- ▲ SAMPLE POINTS
- ⊙ INJECTION WELLHEAD



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			
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Point #4					
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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

Figure 2



0 120 240 Feet

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



APACHE NFE #6 AD

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



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
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

nJMW 1218036666 OPERATOR ☒ Initial Report ☐ Final Report

Name of Company Apache Corporation 873	Contact Natalie Gladden	
Address PO Box 1849 Eunice NM 88231	Telephone No. 575-390-4186	
Facility Name NFE Federal #6	Facility Type Production well	
Surface Owner BLM	Mineral Owner State	Lease No. 30-015-37361

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	8	17S	31E	1650	FSL	990	FEL	Lea Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Oil/Water	Volume of Release 20	Volume Recovered 15
Source of Release Flowline	Date and Hour of Occurrence 06/22/2012	Date and Hour of Discovery 06/22/12 5pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher	
By Whom? Natalie Gladden	Date and Hour 06/22/12 7pm	
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.*

The steal flowline was found by a Lynn Energy pumper. Leak was due to corrosion. The standing fluid was recovered by a vacuum truck. Location was backdragged until one-call was made and cleared.

Describe Area Affected and Cleanup Action Taken.*

The location will be remediated to meet the NMOCD and BLM Remediation Standards to closure.

RECEIVED

JUN 27 2012

NMOCD ARTESIA

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>Natalie Gladden</u>	OIL CONSERVATION DIVISION Signed By: <u>Mike Bratcher</u>	
Printed Name: Natalie Gladden	Approved by District Supervisor:	
Title: EHS Environmental Tech	Approval Date: JUN 28 2012	Expiration Date:
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6/22/12 Phone: 575-390-4186		

* Attach Additional Sheets If Necessary

Remediation per OCD Rules &
Guidelines. SUBMIT REMEDIATION
PROPOSAL NOT LATER THAN:

7/28/12

2RP-1194

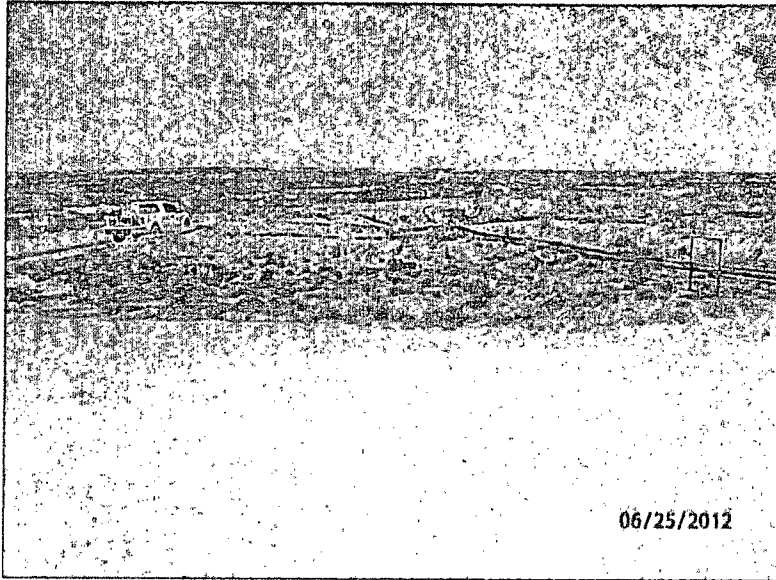


Appendix B

Site Photographs

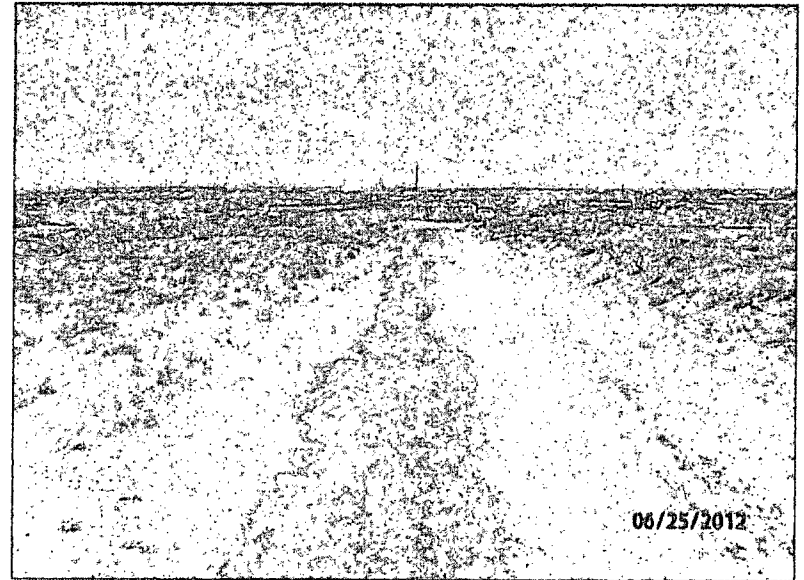
RICE Environmental Consulting and Safety (RECS)
P.O. Box 5630 Hobbs, NM 88241
Phone 575.393.4411 Fax 575.393.0293

NFE Federal #6 AD
Unit Letter J, Section 8, T17S, R31E



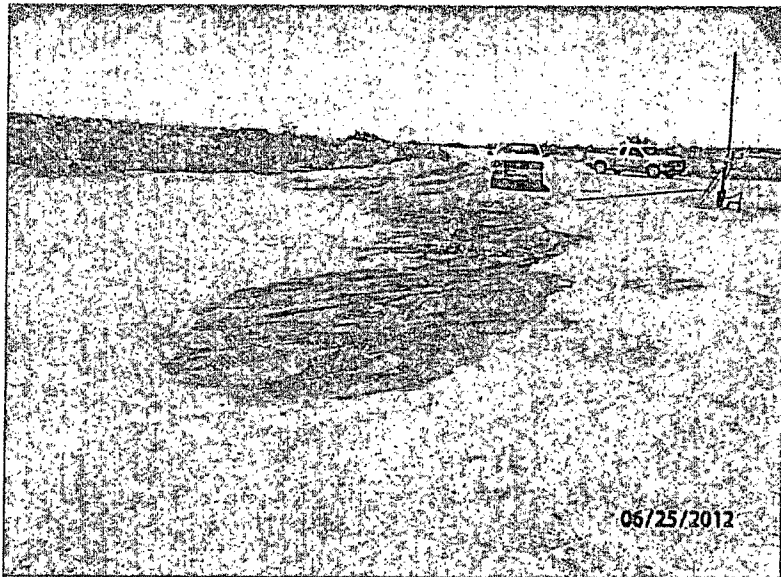
Initial release area, facing east

6/25/12



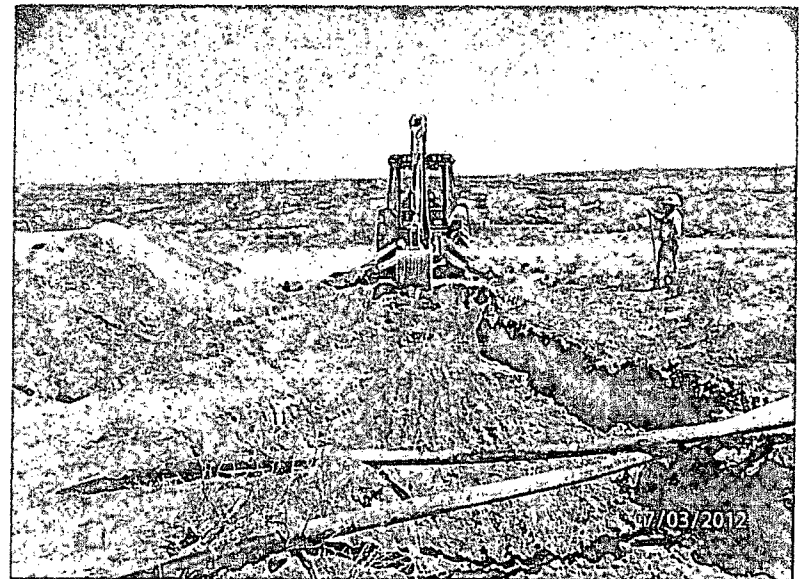
Initial release area, facing east

6/25/12



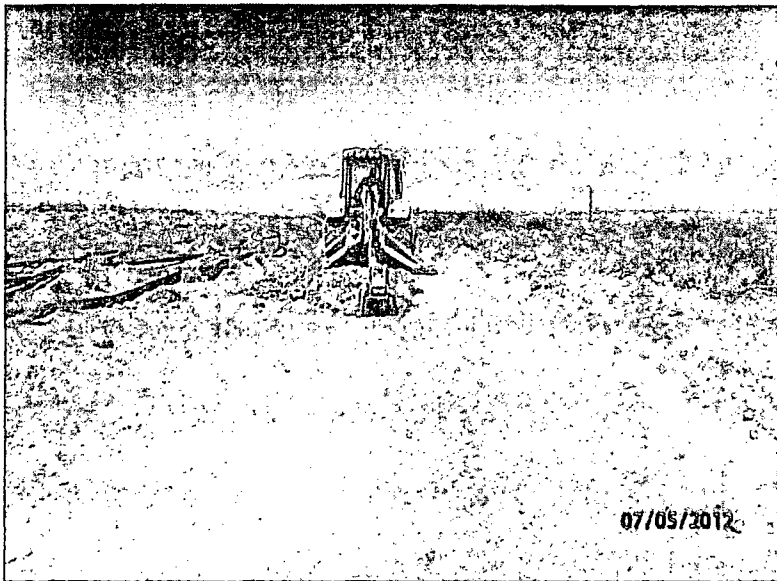
Initial release area, facing south

6/25/12



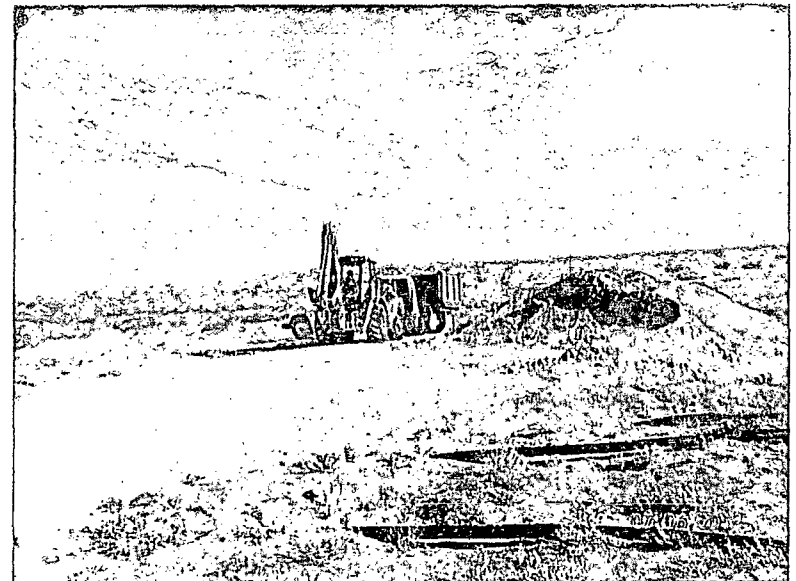
Excavating pasture, facing north

7/3/12



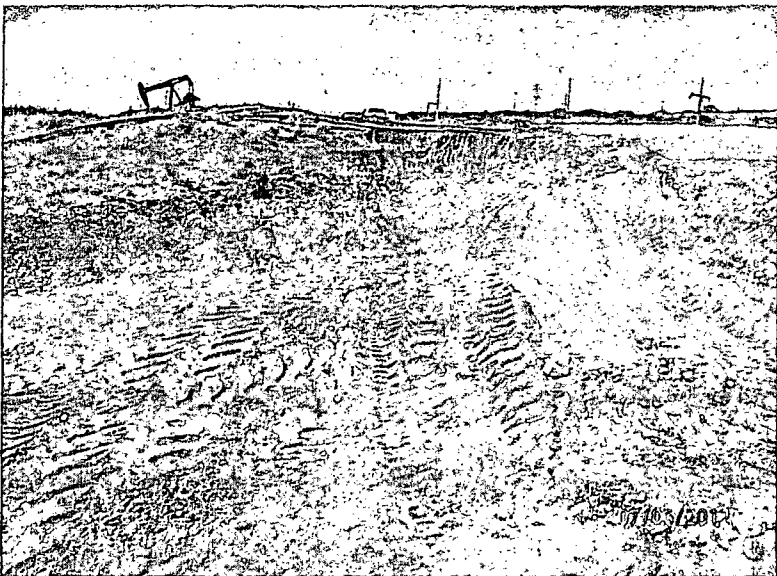
Excavating road, facing west

7/5/12



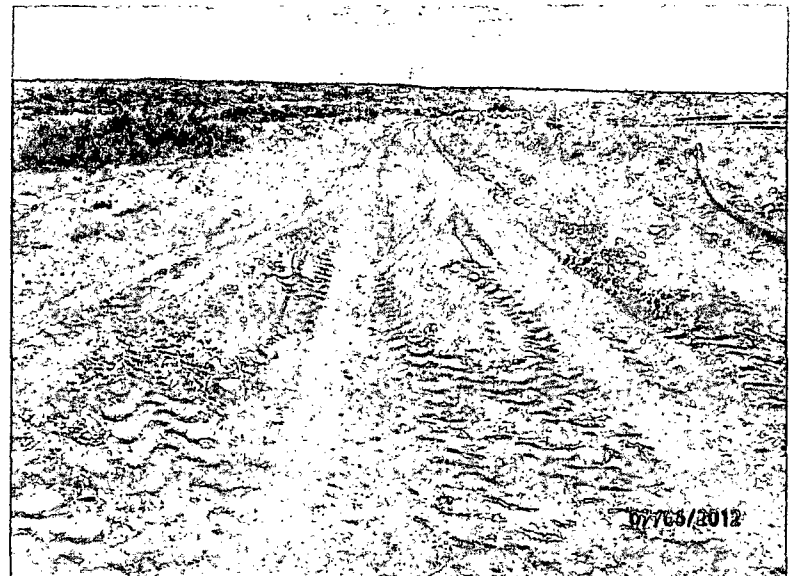
Exporting soil, facing north

7/6/12



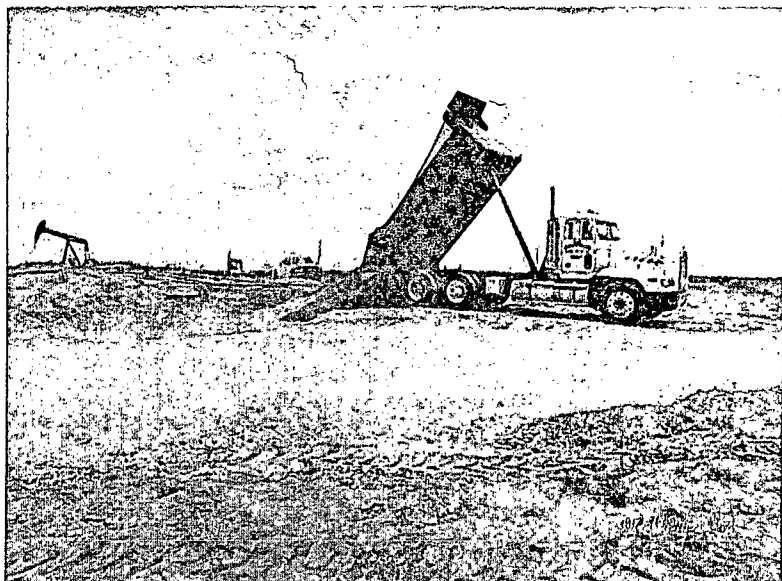
Final pasture excavation, facing south

7/6/12



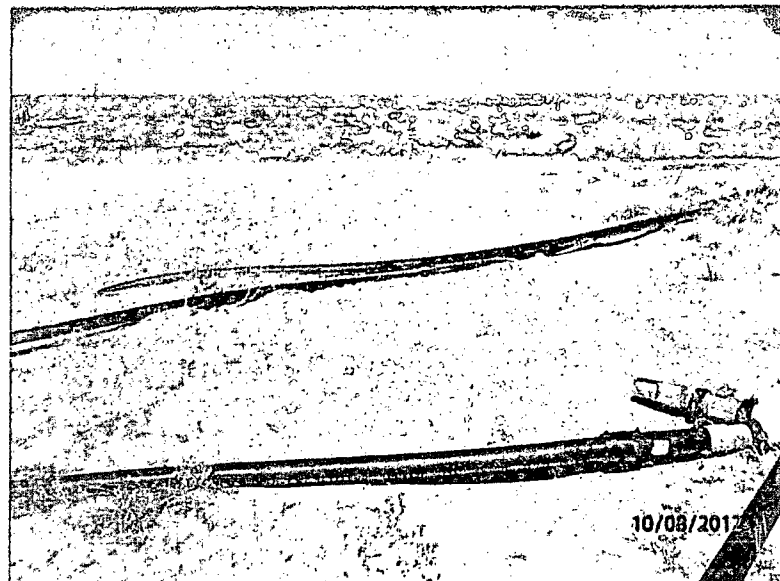
Final road excavation, facing east

7/6/12



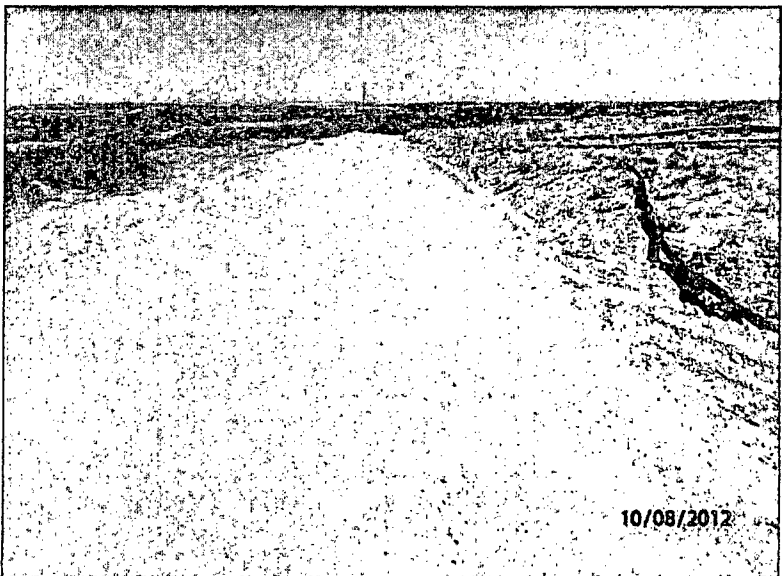
Importing backfill, facing south

7/9/12



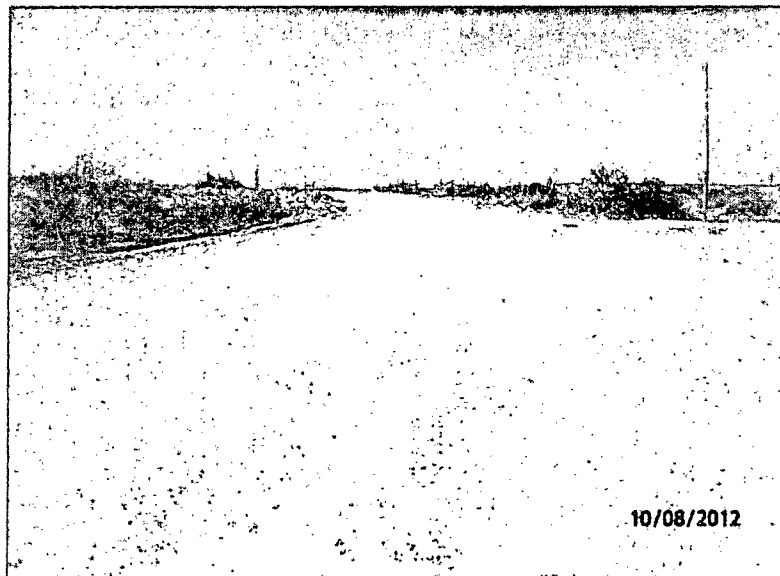
Site complete, facing north

10/8/12



Site complete, facing east

10/8/12



Site complete, facing west

10/8/12

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: 06/25/2012
Reported: 06/27/2012
Project Name: NFE #6 AD
Project Number: 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, SM4500CI-B		mg/kg	Analyzed 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	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	338	10.0	06/26/2012	ND	203	102	200	2.73	

Surrogate: 1-Chlorooctane 84.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.9 % 63.6-154

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

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	06/26/2012	ND	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	

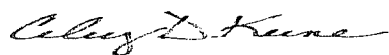
Surrogate: 1-Chlorooctane 76.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.3 % 63.6-154

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: 06/25/2012
Reported: 06/27/2012
Project Name: NFE #6 AD
Project Number: 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 @ 2' 6" (H201437-03)

Chloride, SM4500Cl-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	06/26/2012	ND	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	<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						

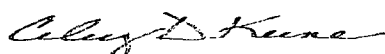
Sample ID: PT. 2 SURFACE (H201437-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12600	16.0	06/26/2012	ND	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	<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, Lab Director/Quality Manager

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

 Received: 06/25/2012
 Reported: 06/27/2012
 Project Name: NFE #6 AD
 Project Number: 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. 2 @ 1' 6" (H201437-05)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

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									
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	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 % 63.6-154

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

Chloride, SM4500Cl-B

mg/kg

Analyzed 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									
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	<10.0	10.0	06/26/2012	ND	203	102	200	2.73	

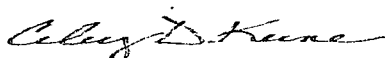
Surrogate: 1-Chlorooctane 90.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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NATALIE GLADDEN
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EUNICE NM, 88231
Fax To: 394-2425

Received: 06/25/2012
Reported: 06/27/2012
Project Name: NFE #6 AD
Project Number: 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. 3 SURFACE (H201437-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18800	16.0	06/26/2012	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed 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 %	63.6-154								

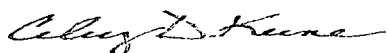
Sample ID: PT. 3 @ 1' (H201437-08)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/26/2012	ND	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	28.7	10.0	06/26/2012	ND	203	102	200	2.73	
Surrogate: 1-Chlorooctane	87.0 %	65.2-140							
Surrogate: 1-Chlorooctadecane	98.5 %	63.6-154							

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*=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: 06/25/2012
Reported: 06/27/2012
Project Name: NFE #6 AD
Project Number: 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. 3 @ 1' 6" (H201437-09)

Chloride, SM4500Cl-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	06/26/2012	ND	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	10.9	10.0	06/26/2012	ND	203	102	200	2.73	
Surrogate: 1-Chlorooctane	77.7 %	65.2-140							
Surrogate: 1-Chlorooctadecane	90.6 %	63.6-154							

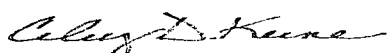
Sample ID: PT. 4 SURFACE (H201437-10)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
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		Analyzed By: MS				
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							

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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: 06/25/2012
 Reported: 06/27/2012
 Project Name: NFE #6 AD
 Project Number: 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. 4 @ 2' (H201437-11)

Chloride, SM4500Cl-B

mg/kg

Analyzed 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									
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 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

Analyzed 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									
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	11.6	10.0	06/26/2012	ND	203	102	200	2.73	

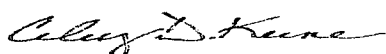
Surrogate: 1-Chlorooctane 79.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.1 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1

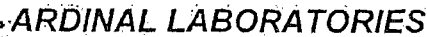
Company Name: Apache		BILL TO		ANALYSIS REQUEST									
Project Manager: <i>Nita L. Gladstone</i>		P.O. #:		<div>Chlorides</div> <div>TPH 8015 M</div> <div>BTEX</div> <div>Texas TPH</div> <div>Complete Cations/Anions</div> <div>TDS</div>									
Address:		Company:											
City: State: NM Zip:		Attn:											
Phone #: Fax #:		Address:											
Project #: Project Owner:		City:											
Project Name: <i>W9 #6 AD</i>		State: Zip:											
Project Location: <i>1012 Mills</i>		Phone #:											
Sampler Name: <i>Shirleyanna</i>		Fax #:											
FOR LAB USE ONLY:													
Lab I.D.	Sample I.D.	GRAB OR (COMP. # CONTAINERS)	MATRIX	PRESERV.	SAMPLING								
			GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER:	DATE	TIME							
<i>H201437</i>													
<i>1</i>	<i>PT 1 surface</i>	<i>9</i>	<i>✓</i>	<i>✓</i>	<i>6-25-12</i>	<i>3:00</i>	<i>✓</i>	<i>✓</i>					
<i>2</i>	<i>PT 1 @ 2'</i>					<i>3:05</i>							
<i>3</i>	<i>PT 1 @ 3' 6"</i>					<i>3:10</i>							
<i>4</i>	<i>PT 3 @ surface</i>					<i>3:15</i>							
<i>5</i>	<i>PT 2 @ 1/6"</i>					<i>3:20</i>							
<i>6</i>	<i>PT 2 @ 2'</i>					<i>3:25</i>							
<i>7</i>	<i>PT 3 surface</i>					<i>3:30</i>							
<i>8</i>	<i>PT 4 @ 1'</i>					<i>3:35</i>							
<i>9</i>	<i>PT 3 @ 1/6"</i>					<i>3:40</i>							
<i>10</i>	<i>PT 4 @ surface</i>	<i>4</i>	<i>✓</i>	<i>✓</i>	<i>6-25-12</i>	<i>3:45</i>	<i>✓</i>	<i>✓</i>					

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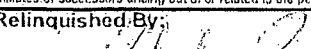
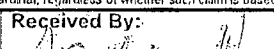
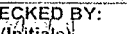
Relinquished By: <i>Shirleyanna</i>	Date: <i>6-25-12</i> Time: <i>4:50</i>	Received By: <i>Debi Benson</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>50</i>			REMARKS: email results <i>NB@inddena.fachcorp.com</i> Zconder@rice-ecs.com; Bbaker@rice-ecs.com; hconder@rice-ecs.com; Lweinheimer@rice-ecs.com	
Sample Condition Cool / Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <i>JS</i>		

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


#26



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By: 		Date: 6-25-02 Time: 4:50		Received By: 
Relinquished By:		Date:		Received By:
Time:		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No REMARKS: email results Zconder@rice-ecs.com; Bbaker@rice-ecs.com; hconder@rice-ecs.com; Lweinheimer@rice-ecs.com		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) 

#26



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

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

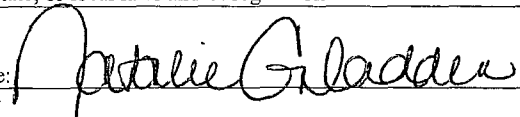
Name of Company	Apache Corp.	Contact	Natalie Gladden
Address	P.O. Box 1849, Eunice, NM, 88231	Telephone No.	(575) 390-4186
Facility Name	NFE Federal #6	Facility Type	Production Well
Surface Owner	BLM	Mineral Owner	State
		API No.	30-015-37361

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	8	17S	31E	1650	FSL	990	FEL	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil/Water	Volume of Release	20 bbls	Volume Recovered	15 bbls
Source of Release	Flowline	Date and Hour of Occurrence	6/22/2012	Date and Hour of Discovery	6/22/2012 5 pm
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher		
By Whom?	Natalie Gladden	Date and Hour	6/22/2012 7 pm		
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.* 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-dragged until one-call was made and cleared.					
Describe Area Affected and Cleanup Action Taken.* The leak affected a total area of 4,366 square feet including a lease road and 1,275 square feet of pasture land. Samples were collected and sent to a commercial lab for chloride and TPH analyses. The leak was excavated and impacted soils were removed to a NMOCD approved disposal facility. The excavation in the pasture was backfilled with clean imported topsoil and contoured to the surrounding area. The excavation in the lease road was backfilled with clean imported caliche and leveled.					
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:			
Title: EH&S Environmental Tech		Approval Date:		Expiration Date:	
E-mail Address: Natalie.gladden@apachecorp.com		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: 11/9/12		Phone: (575) 390-4186			

* Attach Additional Sheets If Necessary