

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

Submit a 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 Bruce Baker
Address 8 Ellison Lane, Eunice, NM 88231	Telephone No. (575) 394-2743
Facility Name WBDU #26	Facility Type Injection Well
Surface Owner Millard Deck Estates	Mineral Owner
API No. 30-025-26967	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	8	21S	37E	990	FNL	660	FEL	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 10 bbls	Volume Recovered 0 bbls
Source of Release Injection line	Date and Hour of Occurrence	Date and Hour of Discovery 9-25-13 at 9:00 am
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 = 65'

Describe Cause of Problem and Remedial Action Taken.*
A 90 on the injection line had corroded and produced water was released. The line was shut in and the 90 was replaced.

Describe Area Affected and Cleanup Action Taken.* A total surface area of 8,161 sq ft was affected with 1,657 sq ft of pasture affected. RECS personnel were on site beginning on September 26th, 2013, to assess the site. Five points throughout the surface of the release were sampled and field tested for chlorides and organic vapors using a PID meter. The samples were taken to a commercial laboratory for analysis and returned elevated chloride readings, Gasoline Range Organics (GRO) readings of non-detect and Diesel Range Organics (DRO) readings below regulatory standards. The entire release was scraped down 3 inches and a total of 72 yards of soil was taken to a NMOCD approved facility for disposal. A 5 point bottom composite of the scrape was taken to a commercial laboratory for analysis and returned a chloride value of 160 mg/kg, a GRO value of non-detect and a DRO value of 205 mg/kg. A total of 36 yards of caliche and 96 yards of soil was imported to the site to serve as backfill. A sample of the soil was taken to a commercial laboratory for analysis and returned a chloride result of non-detect. The site was backfilled with the imported material and contoured to the surrounding location. The pasture area was then seeded with a blend of native vegetation.

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: Bruce Baker	OIL CONSERVATION DIVISION <i>Jeffrey Serim</i> Approved by Environmental Specialist Environmental Specialist	
Printed Name: Bruce Baker	Approval Date: 12/06/13	Expiration Date: -
Title: Environmental Technician	Conditions of Approval: -	
E-mail Address: larry.baker@apachecorp.com	Attached <input type="checkbox"/> IRP-11-13-2986	
Date: 12-5-13 Phone: (432)631-6982		

Attach Additional Sheets If Necessary

JUN 10 2014



EXPLORING WHAT'S POSSIBLE

APACHE CORPORATION

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

WBDU #26
1RP-11-13-2986

Termination Request

approved
Stephany Lekins
Environmental Specialist
NMOC0-DIST 1
12/06/13

API 30-025-26967

Release Date: September 25th, 2013

Unit Letter A, Section 8, Township 21S, Range 37E

Rice Environmental Consulting & Safety

P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

December 5th, 2013

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 Corporation – WBDU #26 (1RP-11-13-2986)
UL/A sec. 8 T21S R37E
API No. 30-025-26967**

Mr. Leking:

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

Background and Previous Work

The site is located approximately 4 miles north of Eunice, New Mexico at UL/A sec. 8 T21S R37E. NM OSE and BLM records indicate that groundwater will likely be encountered at a depth of approximately 90 +/- feet.

On September 25th, 2013, Apache discovered a release of produced water from the injection line at the site. A total of 10 barrels of produced water was released and none of this was recovered. A total of 8,161 sq ft was affected with 1,657 sq ft of the release occurring in the pasture. An initial C-141 was signed by Apache on October 14th, 2013 and was sent to NMOCD for their approval (Appendix A).

RECS personnel were on site beginning on September 26th, 2013, to assess the site. Five points throughout the surface of the release were sampled and field tested for chlorides and organic vapors using a PID meter (Figure 1). The samples were taken to a commercial laboratory for analysis and returned elevated chloride readings, Gasoline Range Organics (GRO) readings of non-detect and Diesel Range Organics (DRO) readings below regulatory standards (Appendix B).

The entire release was scraped down 3 inches and a total of 72 yards of soil was taken to a NMOCD approved facility for disposal. A 5 point bottom composite of the scrape was taken to a commercial laboratory for analysis and returned a chloride value of 160 mg/kg, a GRO value of non-detect and a DRO value of 205 mg/kg (Appendix C).

On October 31st, 2013, NMOCD approved the site to be backfilled. A total of 36 yards of caliche and 96 yards of soil was imported to the site to serve as backfill. A sample of the soil was taken to a commercial laboratory for analysis and returned a chloride result of

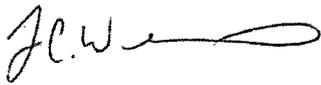
non-detect (Appendix D). The site was backfilled with the imported material and contoured to the surrounding location. The pasture area was then seeded with a blend of native vegetation.

Photo documentation of these activities can be found in Appendix E.

Given that the contaminated soil was removed from the site and replaced with clean, imported soil, Apache requests that the site be given 'remediation termination' and closure status. The final C-141 for the site can be found in Appendix F.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,

A handwritten signature in black ink, appearing to read 'L.W.' followed by a stylized flourish.

Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

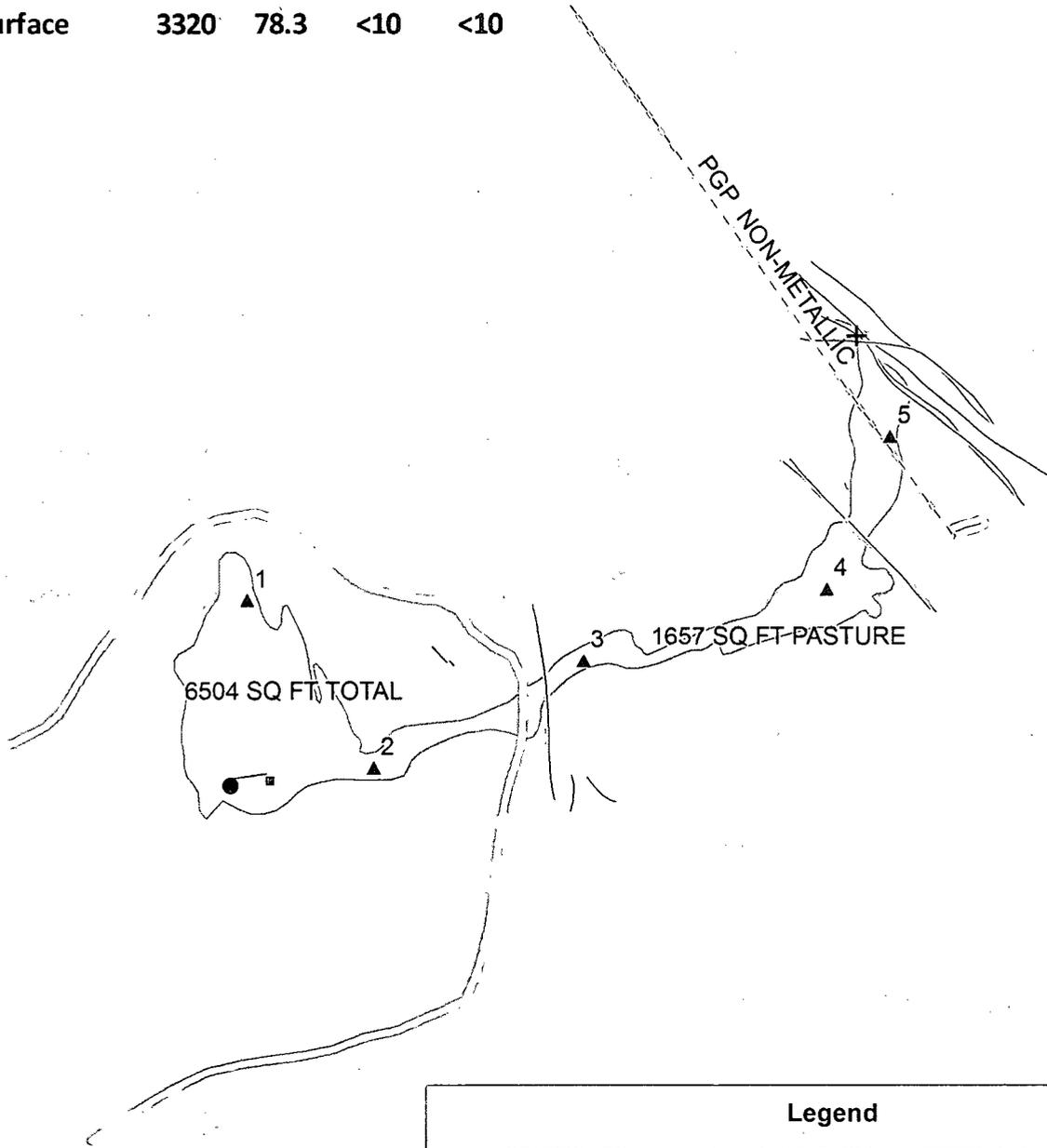
- Figure 1 – Initial Sampling Data
- Figure 2 – Excavation Data
- Appendix A – Initial C-141
- Appendix B – Initial Sampling Lab
- Appendix C – 5 Point Composite Sample Lab
- Appendix D – Backfill Lab
- Appendix E – Photo Documentation
- Appendix F – Final C-141

Figures

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

Initial Sampling Data

Sample Description	Cl-	PID	GRO	DRO
Point 1 Surface	2840	45.5	<10	11.5
Point 2 Surface	3640	41.1	<10	368
Point 3 Surface	2880	97.7	<10	234
Point 4 Surface	2520	11.7	<10	44.7
Point 5 Surface	3320	78.3	<10	<10



Legend		
□ CONTROL BOX	▲ SAMPLE POINT	▬ PAD
+ PIPELINE MARKER	● WELLHEAD	— RISER
Cl- LAB DATA	--- BURIED PIPELINE	--- POLY SURFACE PIPELINE
Cl- FIELD DATA		□ STAIN

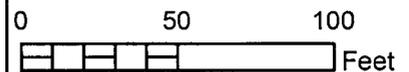
DGW : 90 ft

Landowner: Millard Deck



APACHE
WBDU #26
1RP-11-13-2986
 UL A SECTION 8
 T-21-S R-37-E
 LEA COUNTY, NM

Figure 1

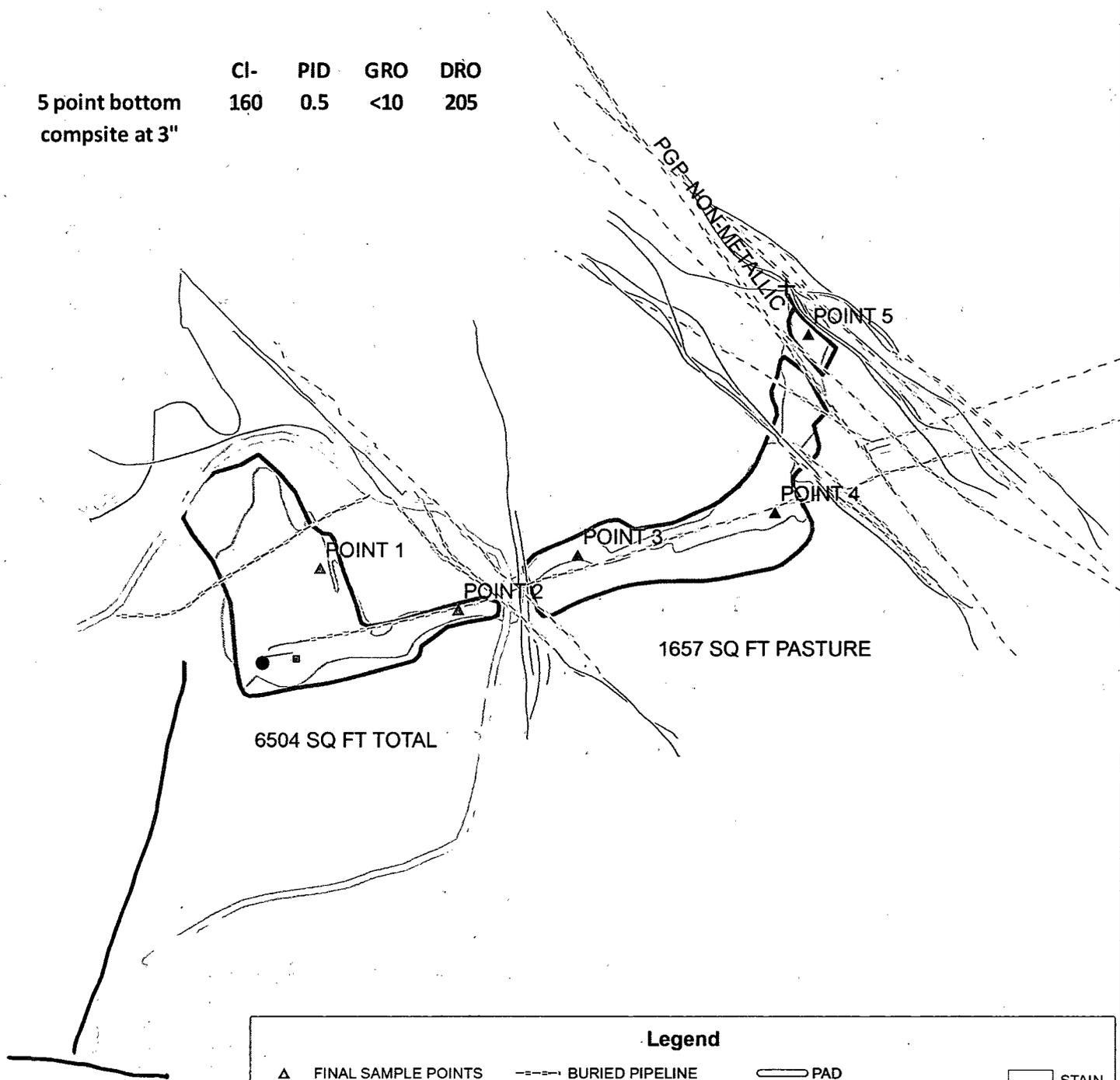


GPS date: 9/26/13 KS
 Drawing date: 10/2/13
 Drafted by: L. Weinheimer

Excavation Data

5 point bottom
compsite at 3"

CI-	PID	GRO	DRO
160	0.5	<10	205



Legend			
▲	FINAL SAMPLE POINTS	-----	BURIED PIPELINE
□	CONTROL BOX	=====	OVERHEAD ELECTRICAL
+	PIPELINE MARKER	-----	SURFACE PIPELINE
●	WELLHEAD	-----	BURIED PIPELINE
—	BURIED ELECTRICAL LINE	—	PAD
		—	RISER
		—	POLY SURFACE PIPELINE
		▭	3 INCH SCRAPE
		▭	STAIN
			CI- LAB DATA
			CI- FIELD DATA

DGW : 90 ft
Landowner: Millard Deck



APACHE
WBDU #26
1RP-11-13-2986
UL A SECTION 8
T-21-S R-37-E
LEA COUNTY, NM

Figure 2

GPS date: 11/7/13 AG
Drawing date: 11/12/13
Drafted by: L. Weinheimer

Appendix A

Initial C-141

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

District I
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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 Bruce Baker
Address 8 Ellison Lane Eunice, NM 88231	Telephone No. (575) 394-2743
Facility Name WBDU # 26	Facility Type Injection Well

Surface Owner Millard Deck Estates	Mineral Owner	API No. 30-025-26967
------------------------------------	---------------	----------------------

LOCATION OF RELEASE

Unit Letter A	Section 8	Township 21S	Range 37E	Feet from the 990'	North/South Line FNL	Feet from the 660'	East/West Line FEL	County Lea
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Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 10 BBLS	Volume Recovered 0 BBLS
Source of Release Injection line	Date and Hour of Occurrence	Date and Hour of Discovery 9-25-13 at 9:00 a.m.
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.*

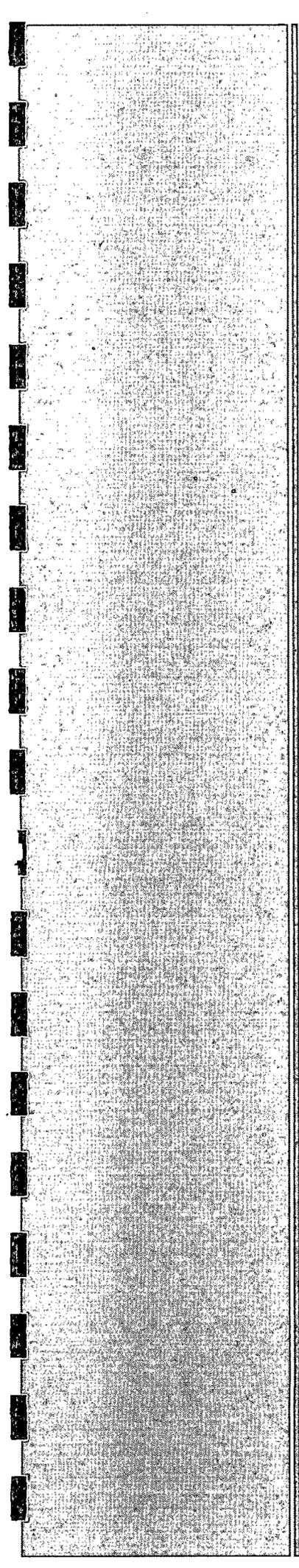
Describe Cause of Problem and Remedial Action Taken.*
A 90 on the injection line had corroded and produced water was released. The line was shut in and the 90 was replaced.

Describe Area Affected and Cleanup Action Taken.*
The total surface area was 8,161 square feet with 1,657 square feet of pasture affected. The site was mapped and surface samples collected and taken to a commercial laboratory for analysis. The affected area will be scraped and delineated.

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>Bruce Baker</i>	OIL CONSERVATION DIVISION	
Printed Name: Bruce Baker	Approved by Environmental Specialist:	
Title: Environmental Technician	Approval Date:	Expiration Date:
E-mail Address: larry.baker@apachecorp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10-14-13	Phone: (432) 631-6982	

* Attach Additional Sheets If Necessary



Appendix B

Initial Sampling Lab

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

October 02, 2013

BRUCE BAKER

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: WBDU #26

Enclosed are the results of analyses for samples received by the laboratory on 09/26/13 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/26/2013
 Reported: 10/02/2013
 Project Name: WBDU #26
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/26/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT 1 @ SURFACE (H302354-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	10/01/2013	ND	400	100	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	09/30/2013	ND	217	108	200	5.63		
DRO >C10-C28	11.5	10.0	09/30/2013	ND	211	106	200	5.36		

Surrogate: 1-Chlorooctane 92.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.7 % 63.6-154

Sample ID: PT 2 @ SURFACE (H302354-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	10/01/2013	ND	400	100	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	09/30/2013	ND	217	108	200	5.63		
DRO >C10-C28	368	10.0	09/30/2013	ND	211	106	200	5.36		

Surrogate: 1-Chlorooctane 91.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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
 BRUCE BAKER
 P. O. BOX 1849
 EUNICE NM, 88231
 Fax To: 394-2425

 Received: 09/26/2013
 Reported: 10/02/2013
 Project Name: WBDU #26
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/26/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT 3 @ SURFACE (H302354-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	10/01/2013	ND	400	100	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	09/30/2013	ND	217	108	200	5.63		
DRO >C10-C28	234	10.0	09/30/2013	ND	211	106	200	5.36		

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

Sample ID: PT 4 @ SURFACE (H302354-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	10/01/2013	ND	432	108	400	3.77		
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	09/30/2013	ND	217	108	200	5.63		
DRO >C10-C28	44.7	10.0	09/30/2013	ND	211	106	200	5.36		

Surrogate: 1-Chlorooctane 92.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.4 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/26/2013
 Reported: 10/02/2013
 Project Name: WBDU #26
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/26/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT 5 @ SURFACE (H302354-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3320	16.0	10/01/2013	ND	432	108	400	3.77		
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	09/30/2013	ND	217	108	200	5.63		
DRO >C10-C28	<10.0	10.0	09/30/2013	ND	211	106	200	5.36		
<i>Surrogate: 1-Chlorooctane</i>	<i>95.9 %</i>	<i>65.2-140</i>								
<i>Surrogate: 1-Chlorooctadecane</i>	<i>101 %</i>	<i>63.6-154</i>								

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

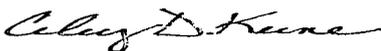
Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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



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

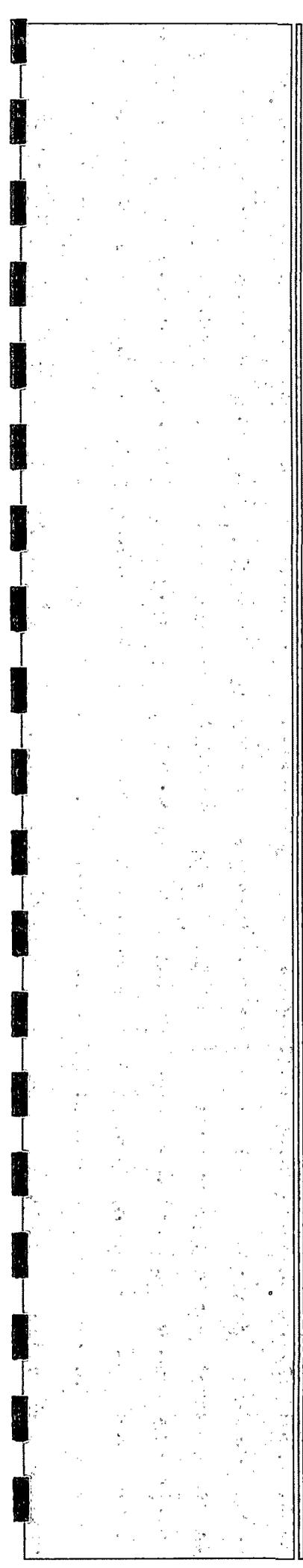
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>		BILL TO		ANALYSIS REQUEST																						
Project Manager: <u>Jacob Kamplain</u>		P.O. #:		<table border="1"> <tr><td>Chlorides</td></tr> <tr><td>TPH 8015 M</td></tr> <tr><td>BTEX</td></tr> <tr><td>Texas TPH</td></tr> <tr><td>Complete Cations/Anions</td></tr> <tr><td>TDS</td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> </table>										Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS							
Chlorides																										
TPH 8015 M																										
BTEX																										
Texas TPH																										
Complete Cations/Anions																										
TDS																										
Address:		Company:																								
City: Hobbs State: NM Zip: 88240		Attn:																								
Phone #: Fax #:		Address:																								
Project #: Project Owner:		City:																								
Project Name:		State: Zip:																								
Project Location: <u>WBDU #26</u>		Phone #:																								
Sampler Name: <u>Kyle Schnaidt</u>		Fax #:																								
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(GRAB OR C) OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING															
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
<u>H302354</u>																										
	<u>1 point 1 @ surface</u>	<u>6</u>	<u>1</u>			<u>X</u>					<u>X</u>		<u>9-26-13</u>	<u>10:25</u>	<u>X</u>	<u>X</u>										
	<u>2 point 2 @ surface</u>	<u>6</u>	<u>1</u>			<u>X</u>					<u>X</u>		<u>9-26-13</u>	<u>10:30</u>	<u>X</u>	<u>X</u>										
	<u>3 point 3 @ surface</u>	<u>6</u>	<u>1</u>			<u>X</u>					<u>X</u>		<u>9-26-13</u>	<u>10:35</u>	<u>X</u>	<u>X</u>										
	<u>4 point 4 @ surface</u>	<u>6</u>	<u>1</u>			<u>X</u>					<u>X</u>		<u>9-26-13</u>	<u>10:40</u>	<u>X</u>	<u>X</u>										
	<u>5 point 5 @ surface</u>	<u>6</u>	<u>1</u>			<u>X</u>					<u>X</u>		<u>9-26-13</u>	<u>10:45</u>	<u>X</u>	<u>X</u>										

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 the client for the 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 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.

Relinquished By: <u>Kyle Schnaidt</u>	Date: <u>9-26-13</u> Time: <u>4:35</u>	Received By: <u>Jodi Benson</u>	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:	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <u>[Signature]</u>	REMARKS: <u>kschnaidt@rice-ecs.com</u> <u>Knorman@rice-ecs.com</u> <u>Kjones@riceswd.com; jkamplain@rice-ecs.com</u> <u>hconder@rice-ecs.com; Lweinheimer@rice-ecs.com</u> <u>ladybaker@apachecorp.com</u>

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



Appendix C

5 Point Composite Sample Lab

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

October 23, 2013

BRUCE BAKER

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: WBDU #26

Enclosed are the results of analyses for samples received by the laboratory on 10/18/13 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 10/18/2013
 Reported: 10/23/2013
 Project Name: WBDU #26
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/18/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 5 PT. COMP @ 3" (H302535-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/21/2013	ND	400	100	400	3.92		
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	10/22/2013	ND	200	99.9	200	3.36		
DRO >C10-C28	205	10.0	10/22/2013	ND	192	95.9	200	2.97		

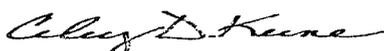
Surrogate: 1-Chlorooctane 121 % 65.2-140

Surrogate: 1-Chlorooctadecane 144 % 63.6-154

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

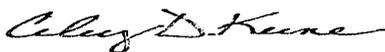
Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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



ARDINAL 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

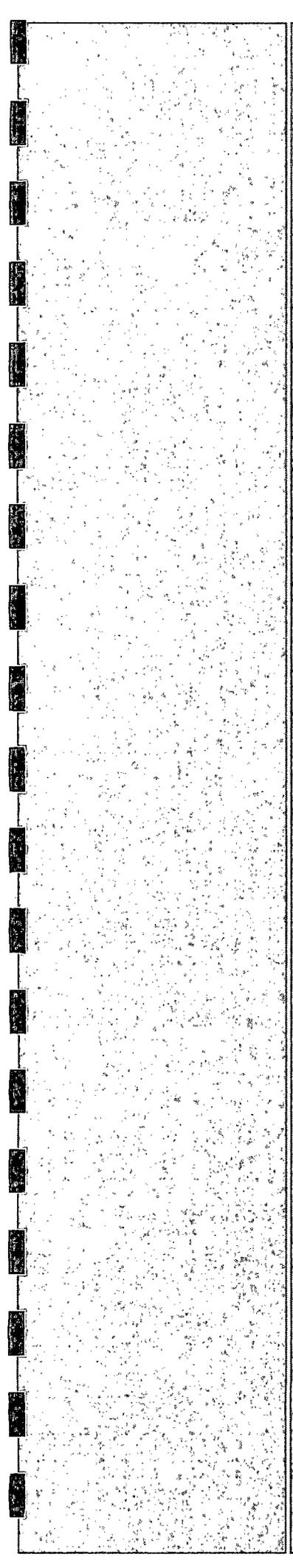
Company Name: <i>Apache</i>		BILL TO		ANALYSIS REQUEST																														
Project Manager: <i>Kyle Norman</i>		P.O. #:		<table border="1"> <tr><td>Chlorides</td><td>TPH 8015 M</td><td>BTEX</td><td>Texas TPH</td><td>Complete Cations/Anions</td><td>TDS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>										Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS															
Chlorides	TPH 8015 M	BTEX	Texas TPH											Complete Cations/Anions	TDS																			
Address:		Company:																																
City: Hobbs State: NM Zip: 88240		Attn:																																
Phone #: Fax #:		Address:																																
Project #: Project Owner:		City:																																
Project Name:		State: Zip:																																
Project Location: <i>WBDU #026</i>		Phone #:																																
Sampler Name: Kyle Schnaidt		Fax #:																																
FOR LAB USE ONLY																																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING																						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME																				
<i>H307535</i>	<i>Spot composite @ 3"</i>	<i>C</i>	<i>1</i>			<i>X</i>				<i>X</i>		<i>10-18-13</i>	<i>12:30</i>	<i>X</i>	<i>X</i>																			

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 the client for the 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 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.

Relinquished By: <i>Kyle Schnaidt</i>	Date: <i>10-18-13</i>	Received By: <i>Jodi Henson</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: <i>4:35</i>		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		<i>kschnaidt@rice-ecs.com</i> <i>Knorman@rice-ecs.com</i> <i>Kjones@riceswd.com; jkamplain@rice-ecs.com</i> <i>hconder@rice-ecs.com; Lweinheimer@rice-ecs.com</i> <i>laurybaker@apachelab.com</i>	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>[Signature]</i>		

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

#54



Appendix D

Backfill Lab

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

November 11, 2013

BRUCE BAKER
APACHE - EUNICE
P. O. BOX 1849
EUNICE, NM 88231

RE: WBDU #26

Enclosed are the results of analyses for samples received by the laboratory on 11/07/13 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

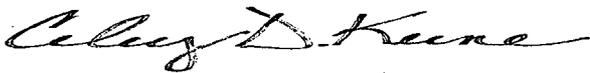
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2013
 Reported: 11/11/2013
 Project Name: WBDU #26
 Project Number: NONE GIVEN
 Project Location: T21S R37E

 Sampling Date: 11/07/2013
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: BACKFILL (H302728-01)

Chloride, SM4500Cl-B

mg/kg

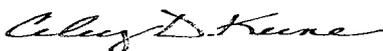
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/08/2013	ND	416	104	400	3.92	

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

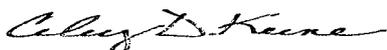
Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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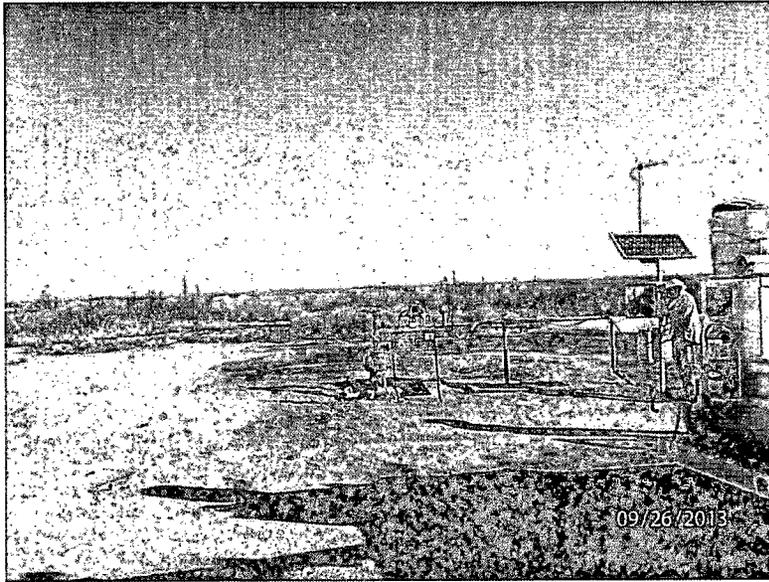
Celey D. Keene, Lab Director/Quality Manager

Appendix E

Photo Documentation

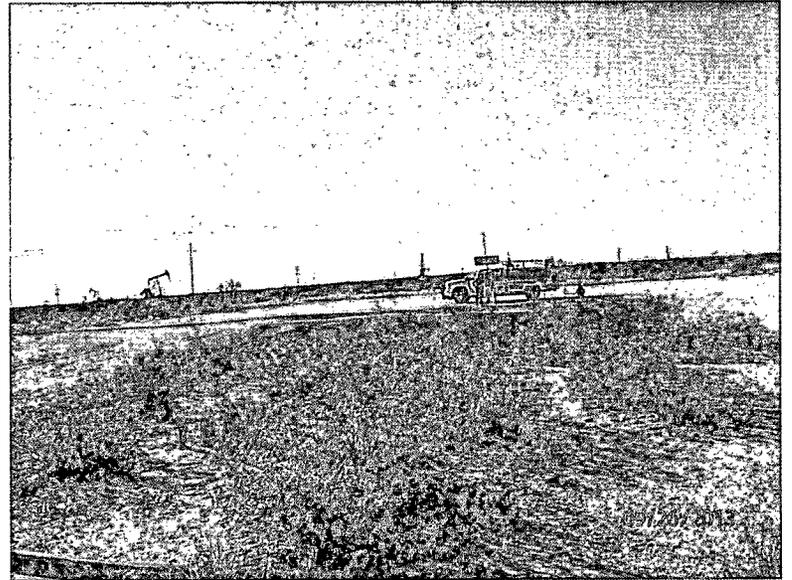
RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

Apache WBDU #26
Unit Letter A, Section 8, T21S, R37E



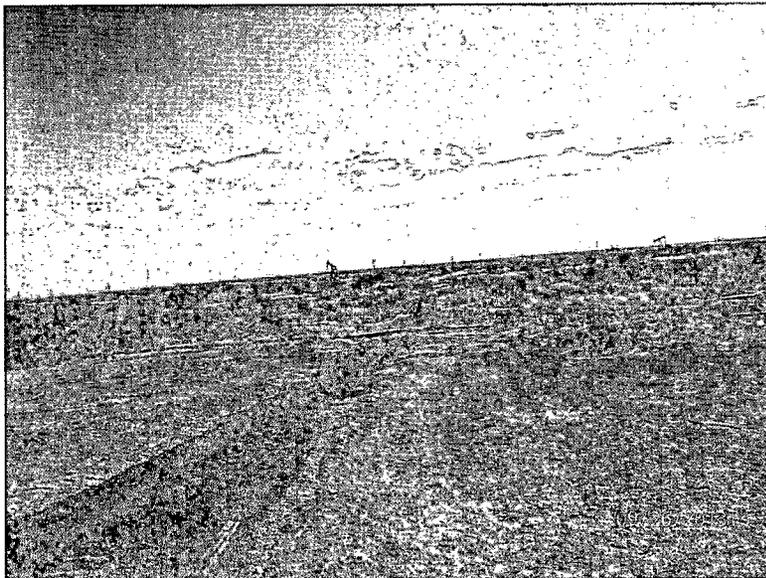
Initial site photo, facing north

9/26/13



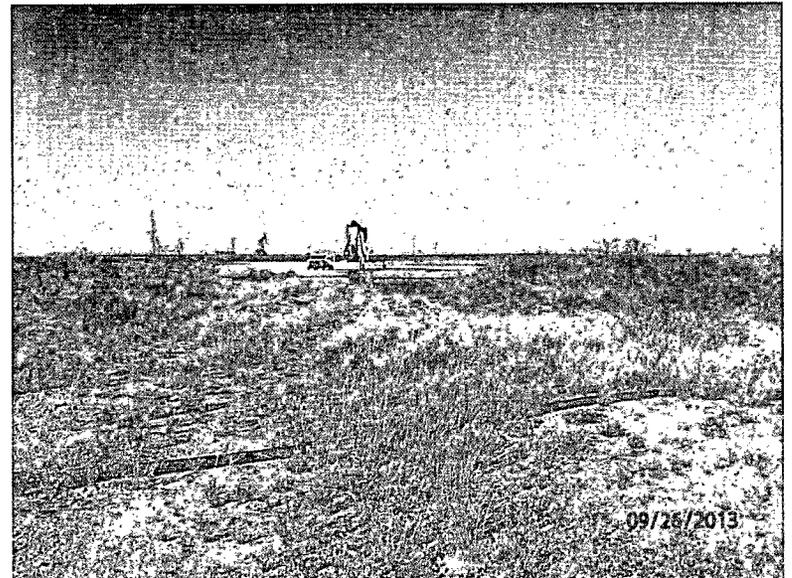
Initial site photo, facing west

9/26/13



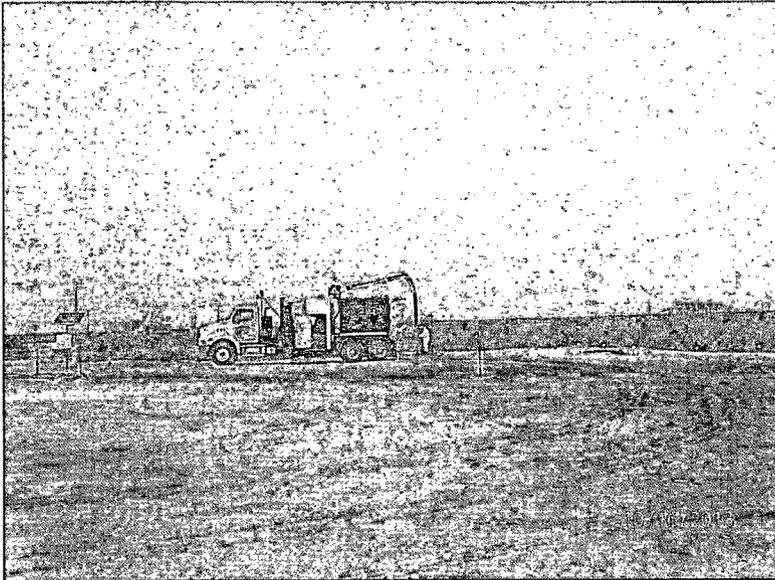
Initial site photo, facing east

9/26/13

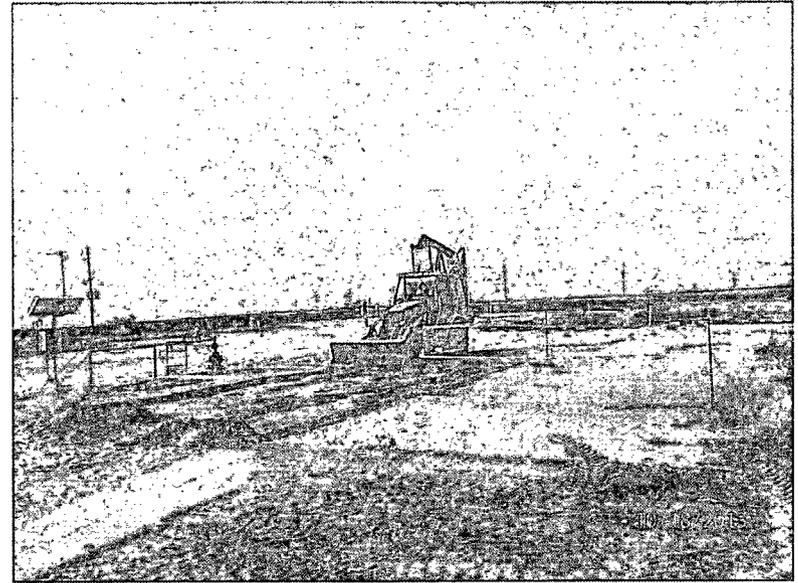


Initial site photo, facing southwest

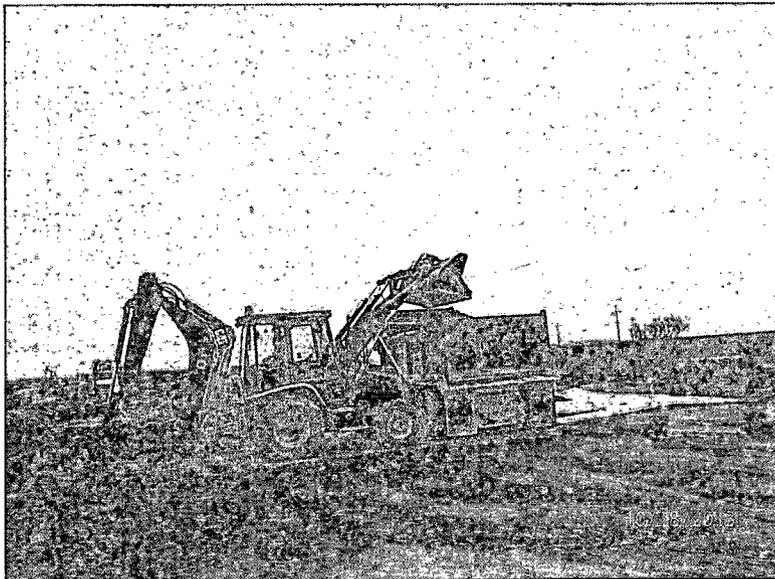
9/26/13



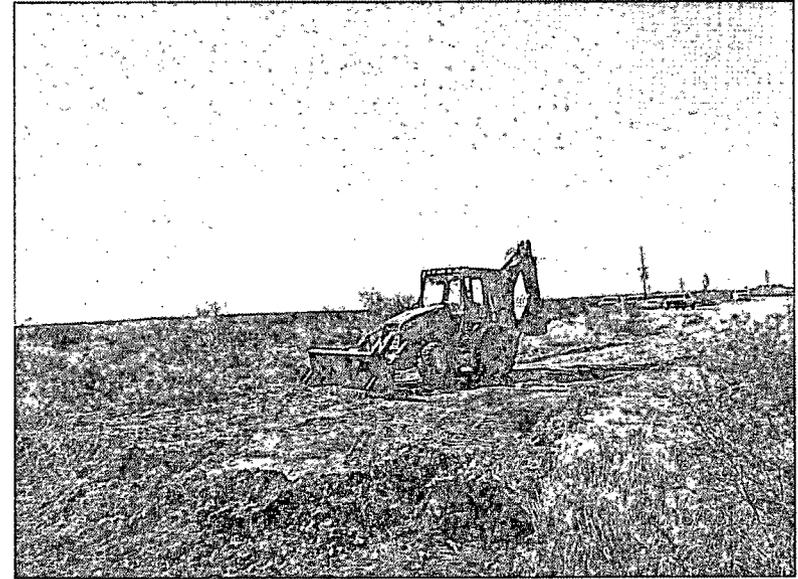
Line spot using hydrovac, facing north 10/16/13



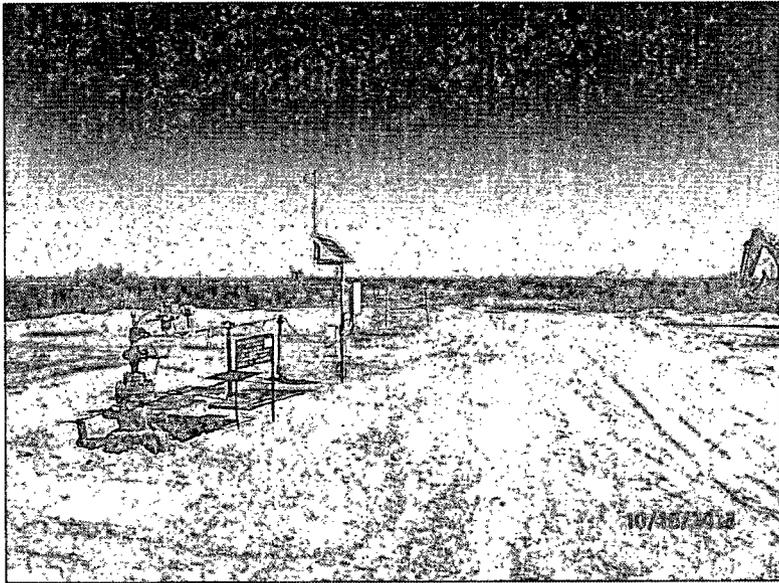
Scraping site, facing northeast 10/18/13



Exporting soil, facing east 10/18/13

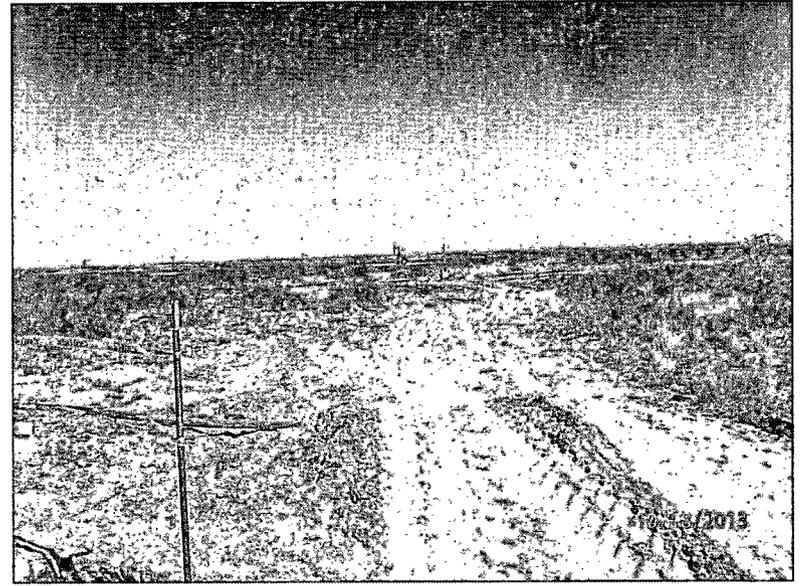


Scraping site, facing southwest 10/18/13



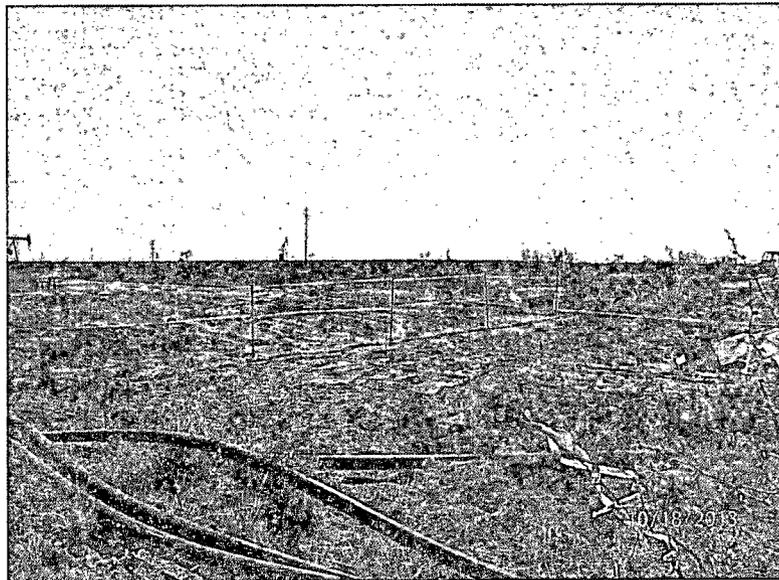
Scrape completed, facing east

10/18/13



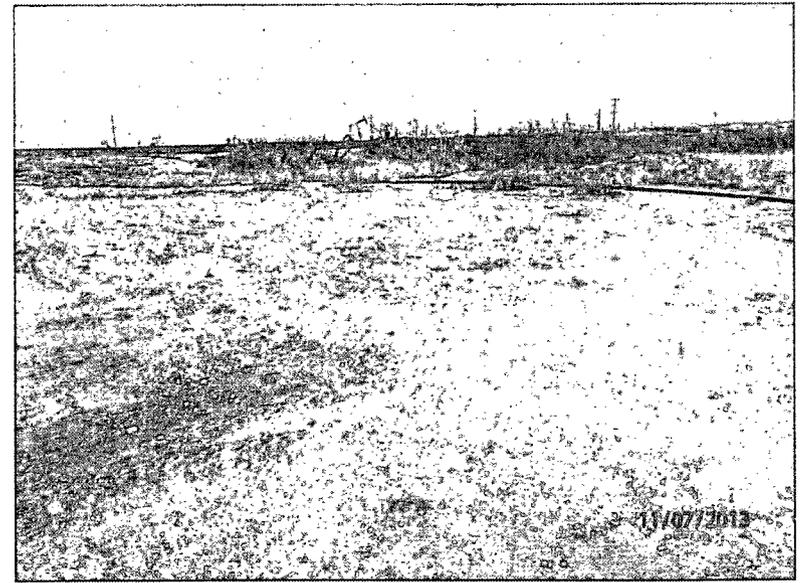
Scrape completed, facing east

10/18/13



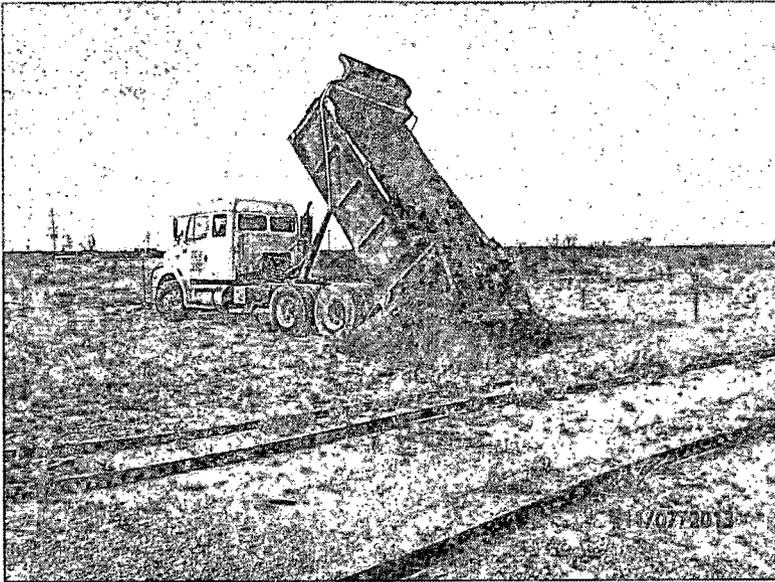
Scrape completed, facing southwest

10/18/13



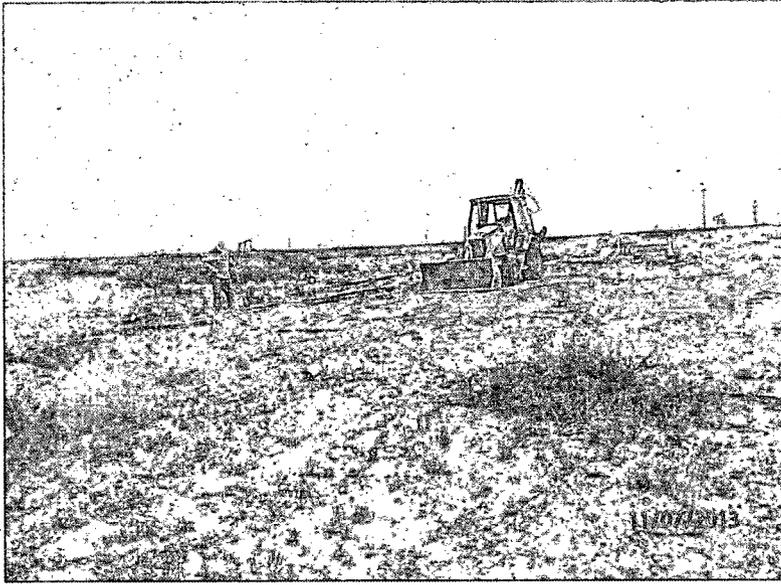
Scrape completed, facing west

11/07/13



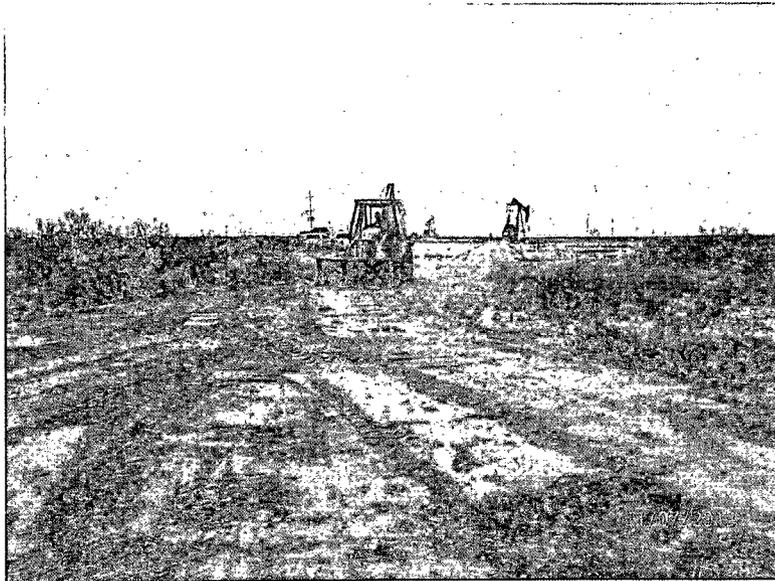
Importing topsoil, facing south

11/7/13



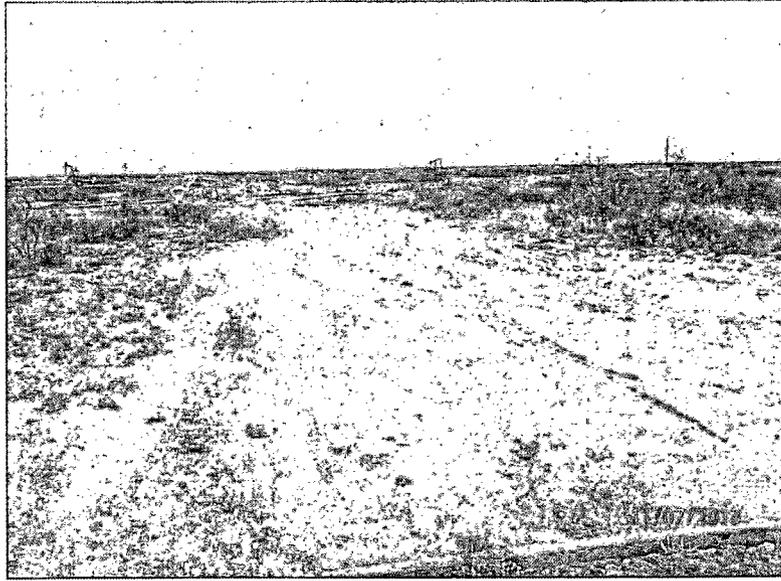
Backfilling site, facing east

11/7/13



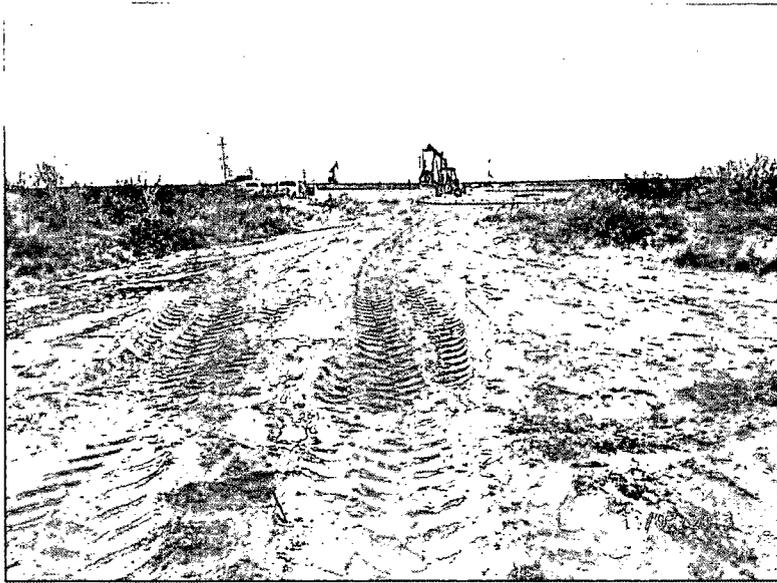
Backfilling site, facing southwest

11/7/13



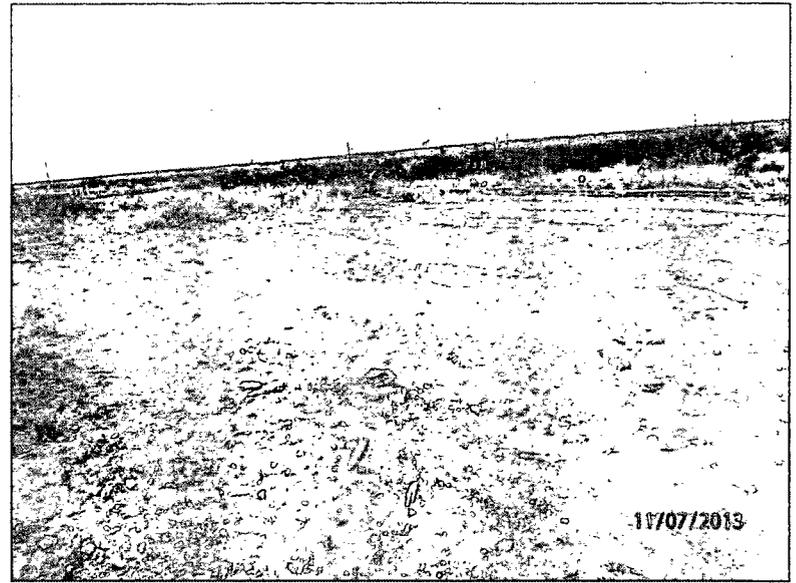
Site backfilled, facing northeast

11/7/13



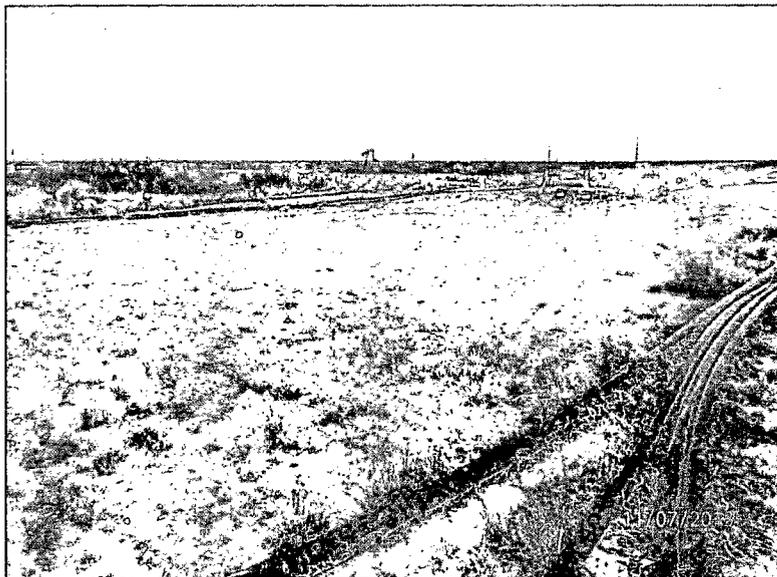
Site backfilled, facing southwest

11/7/13



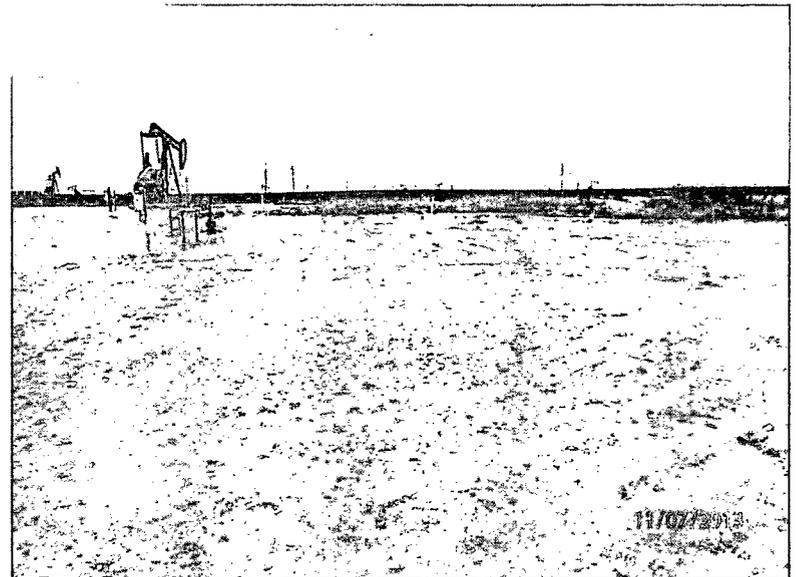
Site backfilled, facing north

11/7/13



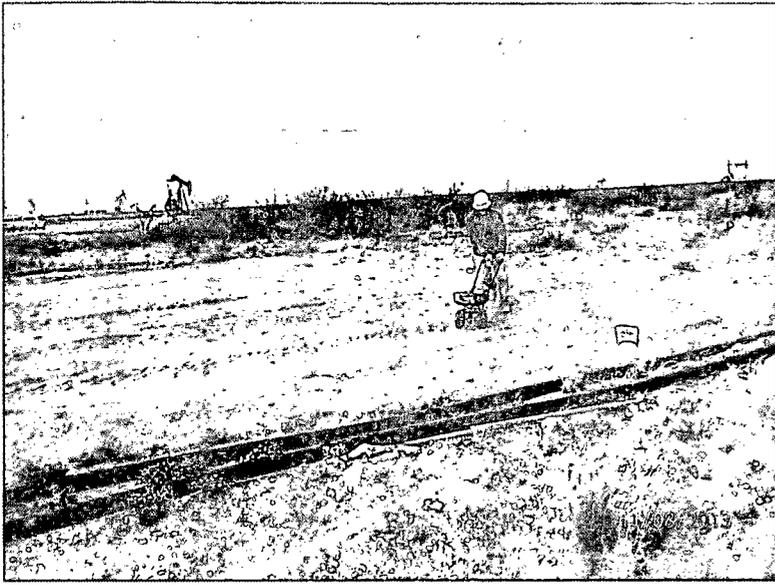
Site backfilled, facing east

11/7/13



Site backfilled, facing southwest

11/7/13



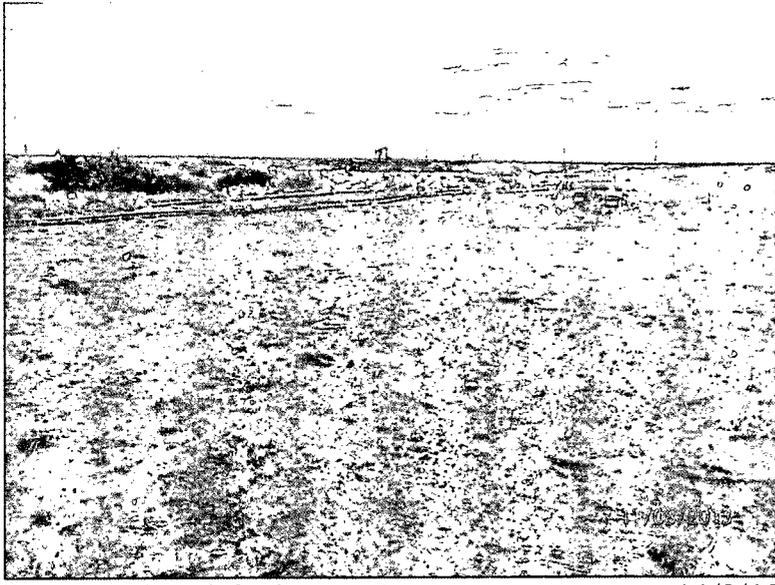
Seeding site, facing west

11/8/13



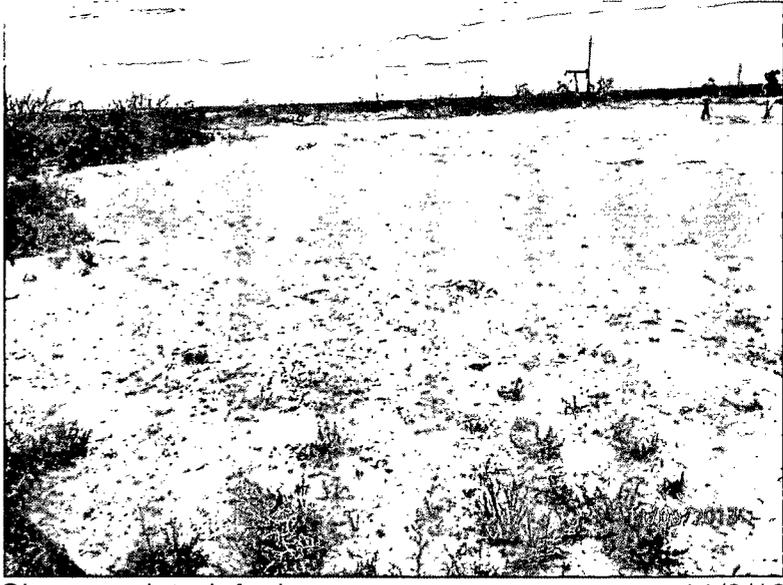
Raking in the seed, facing east

11/8/13



Site completed, facing east

11/8/13



Site completed, facing east

11/8/13

Appendix F

Final C-141

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit a 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 Bruce Baker
Address 8 Ellison Lane, Eunice, NM 88231	Telephone No. (575) 394-2743
Facility Name WBDU #26	Facility Type Injection Well

Surface Owner Millard Deck Estates	Mineral Owner	API No. 30-025-26967
------------------------------------	---------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	8	21S	37E	990	FNL	660	FEL	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 10 bbls	Volume Recovered 0 bbls
Source of Release Injection line	Date and Hour of Occurrence	Date and Hour of Discovery 9-25-13 at 9:00 am
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 = 65'

Describe Cause of Problem and Remedial Action Taken.*

A 90 on the injection line had corroded and produced water was released. The line was shut in and the 90 was replaced.

Describe Area Affected and Cleanup Action Taken.* A total surface area of 8,161 sq ft was affected with 1,657 sq ft of pasture affected. RECS personnel were on site beginning on September 26th, 2013, to assess the site. Five points throughout the surface of the release were sampled and field tested for chlorides and organic vapors using a PID meter. The samples were taken to a commercial laboratory for analysis and returned elevated chloride readings, Gasoline Range Organics (GRO) readings of non-detect and Diesel Range Organics (DRO) readings below regulatory standards. The entire release was scraped down 3 inches and a total of 72 yards of soil was taken to a NMOCD approved facility for disposal. A 5 point bottom composite of the scrape was taken to a commercial laboratory for analysis and returned a chloride value of 160 mg/kg, a GRO value of non-detect and a DRO value of 205 mg/kg. A total of 36 yards of caliche and 96 yards of soil was imported to the site to serve as backfill. A sample of the soil was taken to a commercial laboratory for analysis and returned a chloride result of non-detect. The site was backfilled with the imported material and contoured to the surrounding location. The pasture area was then seeded with a blend of native vegetation.

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>Bruce Baker</i>	OIL CONSERVATION DIVISION <i>Jeffrey Lerum</i> Approved by Environmental Specialist Environmental Specialist	
Printed Name: Bruce Baker	Approval Date: 12/06/13	Expiration Date: -
Title: Environmental Technician	Conditions of Approval: -	
E-mail Address: larry.baker@apachecorp.com	Attached <input type="checkbox"/> IRP-11-13-2986	
Date: 12-5-13 Phone: (432)631-6982		

Attach Additional Sheets If Necessary