

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

APR 03 2014

Form C-141
Revised August 8, 2011

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

RECEIVED

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Apache Corporation	Contact	Bruce Baker
Address	P.O. Box 1849, Eunice, NM 88231	Telephone No.	(432) 631-6982
Facility Name	NEDU #651	Facility Type	Oil Well

Surface Owner	CV Properties LLC	Mineral Owner		API No.	30-025-41285
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	15	21S	37E	2525	FSL	2110	FEL	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Brine Water	Volume of Release	50 barrels	Volume Recovered	Unknown
Source of Release	Roll off bin	Date and Hour of Occurrence	11/27/12 at 2:00 AM	Date and Hour of Discovery	11/27/13 at 2:00 AM
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking		
By Whom?	Bruce Baker	Date and Hour	11/27/2013 at 2:02 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.*

DTW = 43'

Describe Cause of Problem and Remedial Action Taken.*

Q-Max Hand and Rig Crew were not watching shale shaker or roll off bin resulting in a release of 50 barrels of brine water. A backhoe was dispatched and scraped up the wet soil and pit in roll off bin to be disposed.

Describe Area Affected and Cleanup Action Taken.* The entire release was contained on 4,939 square feet of the lease pad. RECS personnel were on site beginning on November 27th, 2013 to assess the release. Three points were sampled at the surface and with depth within the release area. The samples were taken to a commercial laboratory for chloride analysis. All three points showed elevated chloride levels at the surface of the release that dropped to below regulatory standards at 6 inches bgs. Based on the laboratory analysis, the site was scraped down 6 inches and a total of 300 yards of contaminated soil was taken to a NMOCD approved facility for disposal. Once the scrape was completed, the side walls and bottom of the scrape were sampled to verify that all chloride values were below regulatory standards. The samples were taken to a commercial laboratory and confirmed chloride values below 250 mg/kg. A total of 260 yards of clean caliche was imported to the site to serve as backfill. The site was backfilled and contoured to the surrounding location.

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>Geoffrey Leking</i> Approved by Environmental Specialist	
Printed Name: Bruce Baker	Approval Date: 4/3/14	Expiration Date: —
Title: Environmental Technician	Conditions of Approval: —	Attached <input type="checkbox"/>
E-mail Address: larry.baker@apachecorp.com		IRP-04-14-3022
Date: 2-5-14	Phone: (432) 631-6982	

* Attach Additional Sheets If Necessary

NSAD1416836408

L



EXPLORING WHAT'S POSSIBLE

HOBBS OCD

APR 03 2014

RECEIVED

APACHE CORPORATION

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

NEDU #651

Termination Request

approved
Jeffrey Yelins
Environmental Specialist
NMOCID-DIST 1
4/03/14

API No. 30-025-41285

Release Date: November 27th, 2013

Unit Letter J, Section 15, Township 21S, Range 37E

Rice Environmental Consulting & Safety

P.O. Box 2948, Hobbs, NM 88241

Phone 575.393.2967

January 7th, 2014

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 – NEDU #651

UL/J sec. 15 T21S R37E

API No. 30-025-41285

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 2.5 miles northeast of Eunice, New Mexico at UL/J sec. 15 T21S R37E. NM OSE and BLM records indicate that groundwater will likely be encountered at a depth of approximately 43 +/- feet.

On November 27th, 2013, Apache discovered a release of 50 barrels of produced water, caused by the Q-Max hand and rig crew not watching the shale shaker or roll off bin. The entire release was contained on 4,939 square feet of the lease pad. A backhoe was dispatched to the site to scrape up the wet soil and place it in the roll off bin to be disposed. NMOCD was notified of the release on November 27th, 2013 and an initial C-141 was submitted to NMOCD (Appendix A).

RECS personnel were on site beginning on November 27th, 2013, to assess the release. Three points were sampled at the surface and with depth within the release area (Figure 1). The samples were taken to a commercial laboratory for chloride analysis. All three points showed elevated chloride levels at the surface of the release that dropped to below regulatory standards at 6 inches bgs (Appendix B).

Based on the laboratory analysis, the site was scraped down 6 inches and a total of 300 yards of contaminated soil was taken to a NMOCD approved facility for disposal. Once the scrape was completed, the side walls and bottom of the scrape were sampled to verify that all chloride values were below regulatory standards (Figure 2). The samples were taken to a commercial laboratory and confirmed chloride values below 250 mg/kg (Appendix C).

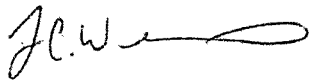
A total of 260 yards of clean caliche was imported to the site to serve as backfill. The site was backfilled and contoured to the surrounding location.

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

Given that the release has been scraped to remove the release contaminants and then backfilled with clean, imported caliche, Apache respectfully requests 'remediation termination' and site closure. The final C-141 can be found in Appendix E.

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 'JL. Weinheimer', with a long horizontal flourish extending to the right.

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 – Excavation Sampling Lab
- Appendix D – Photo Documentation
- Appendix E – Final C-141

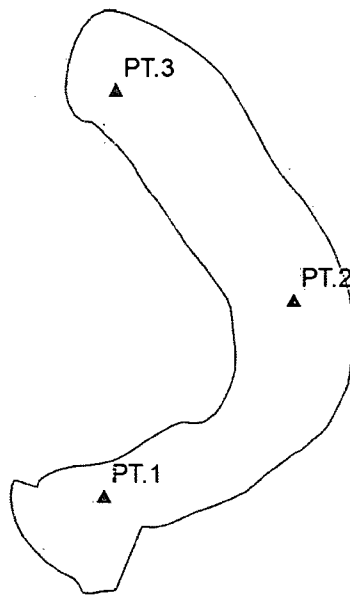
Figures

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

Point 1	Cl-	PID
Surface	10500	21.9
6"	160	
1'	<16	

Point 2		
Surface	13500	5.9
6"	208	
1'	32	

Point 3		
Surface	8400	3.7
6"	48	
1'	128	



CI- FIELD DATA

CI- LAB DATA

Legend

- WELLHEAD
- ▲ SAMPLE POINT
- STAIN (4,939 sq ft)

LANDOWNER: C&V Properties LLC
DGW: 39 ft

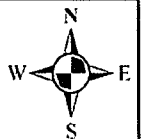
Source: Esri, DigitalGlobe, GeoEye, AeroGRID, IGN, IGA, Getmapping, Aerogrid, IGN, IGA, Swire



**APACHE
NEDU #651**

UL J SECTION 15
T-21-S R-37-E
LEA COUNTY, NM

Figure 1



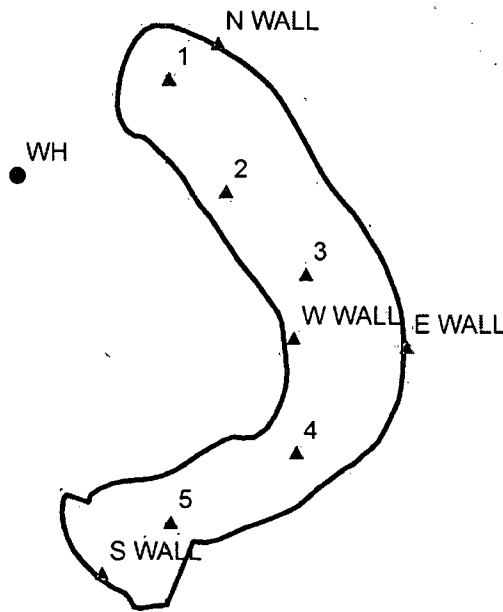
A horizontal number line is shown with tick marks at 0, 30, and 60. Below the line, a bar graph is drawn. The bar starts at 0 and extends to the 30 mark. The bar is divided into 10 equal segments by vertical lines. The word "Feet" is written at the end of the number line.

GPS date: 11/27/13 EC
Drawing date: 12/6/13
Drafted by: L. Weinheimer

Excavation Data

Final Laboratory Sampling Data

	Cl-
North wall	144
East wall	96
South wall	96
West wall	80
5 point bottom composite at 6 inches	80



Legend

- ▲ FINAL SAMPLE POINT
- WELLHEAD
- SCRAPE AT 6 IN

LANDOWNER: C&V Properties LLC
DGW: 43 ft

Source: Esri, DigitalGlobe, GeoEye, AeroGRID, IGN, etc.



**APACHE
NEDU #651**

UL J SECTION 15
T-21-S R-37-E
LEA COUNTY, NM

Figure 2



0 30 60
Feet

GPS date: 11/27/13 EC
Drawing date: 12/6/13
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
1625 N. French Dr., Hobbs, NM 88240
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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

HOBBS OCD

DEC 10 2013

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

RECEIVED

Form C-141
Revised August 8, 2011

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. (432)-631-6982	
Facility Name NEDU # 651	Facility Type Oil Well	
Surface Owner CV Properties LLC	Mineral Owner	API No. 30-025-41285

LOCATION OF RELEASE

Unit Letter J	Section 15	Township 21S	Range 37E	Feet from the 2525'	North/South Line FSL	Feet from the 2110'	East/West Line FEL	County Lea
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Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Brine Water	Volume of Release 50 barrels	Volume Recovered Unknown
Source of Release Roll-off Bin	Date and Hour of Occurrence: 11/27/13 at 2:00 AM	Date and Hour of Discovery 11/27/13 at 2:00 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Lcking	
By Whom? Bruce Baker	Date and Hour 11/27/2013 at 2:02 p.m.	
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.*

Q-Max Hand and Rig Crew were not watching shale shaker or roll off bin resulting in a release of 50 barrels of brine water. A backhoe was dispatched and scraped up the wet soil and put in roll of bin to be disposed.

Describe Area Affected and Cleanup Action Taken.*

The entire release was contained to the pad area. The wet area was scraped and the contaminated soil was placed in a roll off bin for disposal. On 12/2/2013 the area was excavated to 6 inches and confirmation samples of the bottom and sidewalls were sent to a commercial laboratory for analysis for chloride. The excavated soil was disposed of at an NMOCD approved facility.

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>Geoffrey Lcking</i> Approved by Environmental Specialist: Environmental Specialist	
Printed Name: Bruce Baker	Approval Date: 12/10/13	Expiration Date: 2/10/14
Title: Environmental Technician	Conditions of Approval: SUBMIT FINAL C-141 BY 2/10/14	Attached <input type="checkbox"/>
E-mail Address: larry.baker@apachecorp.com	IRP-04-14-3022	
Date: 12/10/13 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

December 04, 2013

BRUCE BAKER

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: NEDU #651

Enclosed are the results of analyses for samples received by the laboratory on 11/27/13 11:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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/ga/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: 11/27/2013
Reported: 12/04/2013
Project Name: NEDU #651
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/27/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 1 SURFACE (H302905-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10500	16.0	12/04/2013	ND	432	108	400	3.77	

Sample ID: PT. 2 SURFACE (H302905-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13500	16.0	12/04/2013	ND	432	108	400	3.77	

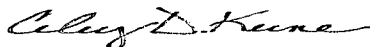
Sample ID: PT. 3 SURFACE (H302905-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	12/04/2013	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

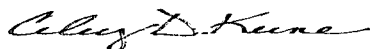
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



Page 4 of 4

[illegible]

Relinquished By: <i>David Casan</i>		Date: 11-21-13 Time: 11:40	Received By: <i>Jodi Benson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:		Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One)		Time:		REMARKS:
Sampler - UPS - Bus - Other:		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <i>[Signature]</i>	Larry baker w apache corp.com hconder w riceswd.com lweinheimer w rice-ecs.com Knorman w rice-ecs.com

December 04, 2013

BRUCE BAKER

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: NEDU #651

Enclosed are the results of analyses for samples received by the laboratory on 12/03/13 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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.

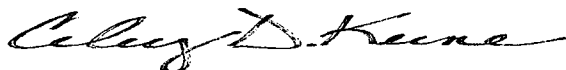
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 12/03/2013
 Reported: 12/04/2013
 Project Name: NEDU #651
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 12/02/2013
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PT. 1 @ 6" (H302925-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/04/2013	ND	416	104	400	0.00	

Sample ID: PT. 1 @ 1' (H302925-02)

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	12/04/2013	ND	416	104	400	0.00	

Sample ID: PT. 2 @ 6" (H302925-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/04/2013	ND	416	104	400	0.00		

Sample ID: PT. 2 @ 1' (H302925-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/04/2013	ND	416	104	400	0.00	

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: 12/03/2013
Reported: 12/04/2013
Project Name: NEDU #651
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/02/2013
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: PT. 3 @ 6" (H302925-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/04/2013	ND	416	104	400	0.00		

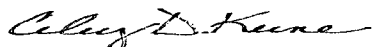
Sample ID: PT. 3 @ 1' (H302925-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/04/2013	ND	416	104	400	0.00		

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

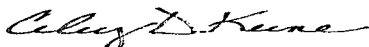
Notes and Definitions

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

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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

Page 5 of 5

Company Name: <u>Apache</u>		BILL TO		ANALYSIS REQUEST																				
Project Manager:		P.O. #:		<div style="display: flex; justify-content: space-around;"> <div>Chlorides</div> <div>TPH 8015 M</div> <div>BTEX</div> <div>Texas TPH</div> <div>Complete Cations/Anions</div> <div>TDS</div> </div>																				
Address:		Company:																						
City: Hobbs State: NM Zip: 88240		Attn:																						
Phone #: Fax #:		Address:																						
Project #: Project Owner:		City:																						
Project Name:		State: Zip:																						
Project Location: <u>NEDU 651</u>		Phone #:																						
Sampler Name: <u>Zach Corder</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>H302925</u>																								
1	<u>PL 1 @ 6"</u>	<u>G</u>	<u>1</u>										<u>12-2-13</u>	<u>1</u>										
2	<u>PL 1 @ 1'</u>	<u>G</u>	<u>1</u>										<u>1</u>	<u>1</u>										
3	<u>PL 2 @ 6"</u>	<u>G</u>	<u>1</u>										<u>1</u>	<u>1</u>										
4	<u>PL 2 @ 1'</u>	<u>G</u>	<u>1</u>										<u>1</u>	<u>1</u>										
5	<u>PL 3 @ 6"</u>	<u>G</u>	<u>1</u>										<u>1</u>	<u>1</u>										
6	<u>PL 3 @ 1'</u>	<u>G</u>	<u>1</u>										<u>1</u>	<u>1</u>										

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Relinquished By: <u>[Signature]</u>	Date: <u>12-2-13</u>	Received By: <u>Jodi Benson</u>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Time: <u>9:20</u>			Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
			email results Kyle Norman, Bruce	
			Baker, Lara Weinheimer	
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool Intact	(Initials)	
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>[Signature]</u>	

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

#54

Appendix C

Excavation Sampling Lab

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

December 04, 2013

BRUCE BAKER

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: NEDU #651

Enclosed are the results of analyses for samples received by the laboratory on 12/03/13 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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: 12/03/2013
 Reported: 12/04/2013
 Project Name: NEDU #651
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 12/03/2013
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: NORTH WALL (H302926-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/04/2013	ND	416	104	400	0.00	

Sample ID: EAST WALL (H302926-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/04/2013	ND	416	104	400	0.00	

Sample ID: SOUTH WALL (H302926-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/04/2013	ND	416	104	400	0.00	

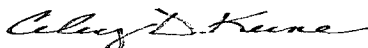
Sample ID: WEST WALL (H302926-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/04/2013	ND	416	104	400	0.00	

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: 12/03/2013
Reported: 12/04/2013
Project Name: NEDU #651
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/03/2013
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

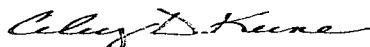
Sample ID: 5 PT. BOTTOM COMP @ 6" (H302926-05)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/04/2013	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

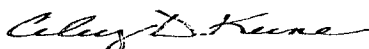
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

Company Name: <u>Apache</u>		BILL TO		ANALYSIS REQUEST																				
Project Manager:		P.O. #:		<div style="display: flex; justify-content: space-around;"> <div>Chlorides</div> <div>TPH 8015 M</div> <div>BTEX</div> <div>Texas TPH</div> <div>Complete Cations/Anions</div> <div>TDS</div> </div>																				
Address:		Company:																						
City: Hobbs State: NM Zip: 88240		Attn:																						
Phone #: Fax #:		Address:																						
Project #: Project Owner:		City:																						
Project Name:		State: Zip:																						
Project Location: <u>NEDU 651</u>		Phone #:																						
Sampler Name: <u>Zach Conder</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>H302926</u>																								
1	North Wall	G	1			1							12-3-13	1										
2	East Wall	G	1			1							1	1										
3	South Wall	G	1			1							1	1										
4	West Wall	G	1			1							1	1										
5	5 Point Bottom Comp. @ 6"	C	1			1							1	1										

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>[Signature]</u>	Date: <u>12-3-13</u>	Received By: <u>Jodi Henson</u>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: <u>4:20</u>		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		email results Bruce Baker, Lara Weinheimer,	
			Kyle Norman, Zach Conder	
Delivered By: (Circle One)	Sample Condition	CHECKED BY: <u>[Signature]</u>		
Sampler - UPS - Bus - Other:	Cool Intact			
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

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

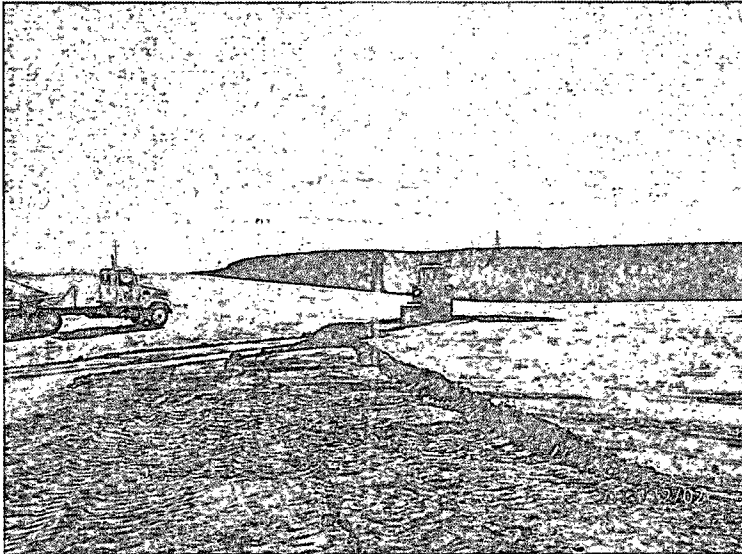
#54

Appendix D

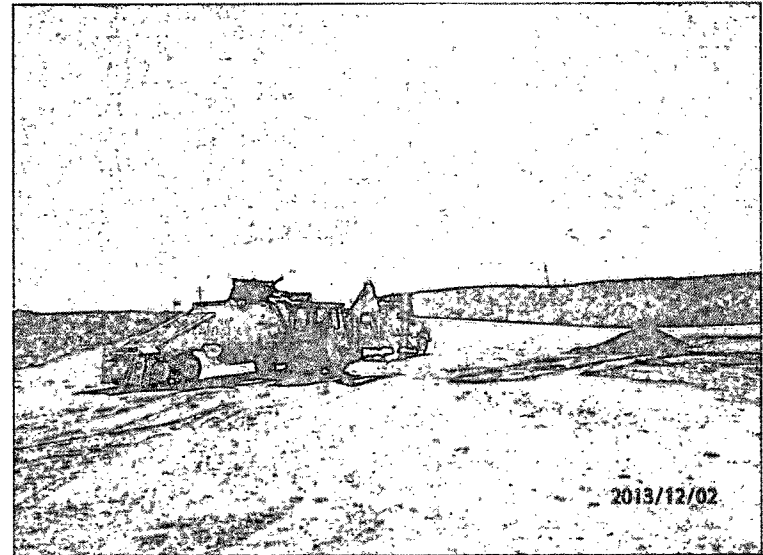
Photo Documentation

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

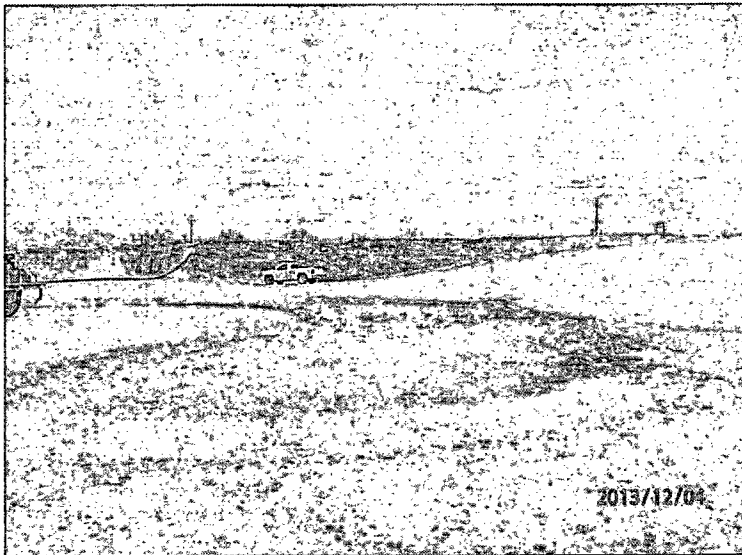
Apache NEDU #651
Unit Letter J, Section 15, T21S, R37E



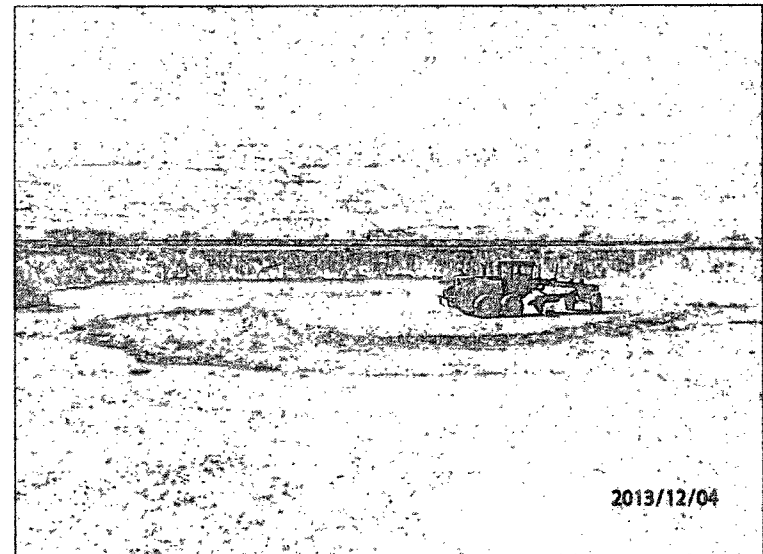
Scraping the site down 6 inches, facing southeast
12/2/13



Exporting soil, facing southeast
12/2/13



Scrape completed, facing southeast
12/4/13

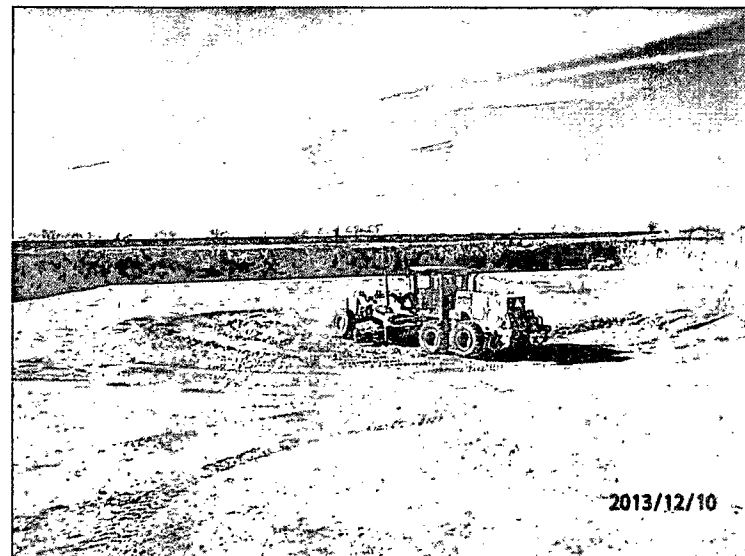


Scrape completed, facing northwest
12/4/13



Importing soil, facing east

12/10/13



Backfilling site, facing east

12/10/13



Site completed, facing northwest

12/10/13



Site completed, facing east

12/13/13

Appendix E

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

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	P.O. Box 1849, Eunice, NM 88231	Telephone No.	(432) 631-6982
Facility Name	NEDU #651	Facility Type	Oil Well

Surface Owner	CV Properties LLC	Mineral Owner		API No.	30-025-41285
---------------	-------------------	---------------	--	---------	--------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	15	21S	37E	2525	FSL	2110	FEL	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Brine Water	Volume of Release	50 barrels	Volume Recovered	Unknown
Source of Release	Roll off bin	Date and Hour of Occurrence	11/27/12 at 2:00 AM	Date and Hour of Discovery	11/27/13 at 2:00 AM
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking		
By Whom?	Bruce Bater	Date and Hour	11/27/2013 at 2:02 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.*

DTW = 43'

Describe Cause of Problem and Remedial Action Taken.*

Q-Max Hand and Rig Crew were not watching shale shaker or roll off bin resulting in a release of 50 barrels of brine water. A backhoe was dispatched and scraped up the wet soil and pit in roll off bin to be disposed.

Describe Area Affected and Cleanup Action Taken.* The entire release was contained on 4,939 square feet of the lease pad. RECS personnel were on site beginning on November 27th, 2013 to assess the release. Three points were sampled at the surface and with depth within the release area. The samples were taken to a commercial laboratory for chloride analysis. All three points showed elevated chloride levels at the surface of the release that dropped to below regulatory standards at 6 inches bgs. Based on the laboratory analysis, the site was scraped down 6 inches and a total of 300 yards of contaminated soil was taken to a NMOCD approved facility for disposal. Once the scrape was completed, the side walls and bottom of the scrape were sampled to verify that all chloride values were below regulatory standards. The samples were taken to a commercial laboratory and confirmed chloride values below 250 mg/kg. A total of 260 yards of clean caliche was imported to the site to serve as backfill. The site was backfilled and contoured to the surrounding location.

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>Geoffrey Leking</i> Approved by Environmental Specialist		
Printed Name: Bruce Baker			
Title: Environmental Technician	Approval Date: 4/3/14	Expiration Date: —	
E-mail Address: larry.baker@apachecorp.com	Conditions of Approval: —	Attached <input type="checkbox"/>	
Date: 2-5-14 Phone: (432) 631-6982	IRP-04-14-3022		

* Attach Additional Sheets If Necessary