



EXPLORING WHAT'S POSSIBLE

APACHE CORPORATION

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

WBDU #75
(1RP-3388)

Termination Request

API No. 30-025-06615

Release Date: October 16th, 2014

Unit Letter L, Section 16, Township 21S, Range 37E

January 16th, 2015

Dr. Tomáš Oberding, PhD

Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240

**RE: Termination Request
Apache WBDU #75 (1RP-3388)
UL/L sec. 16 T21S R37E
API No. 30-025-06615**

Dr. Oberding:

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 2.8 miles north of Eunice, New Mexico at UL/L sec. 16 T21S R37E. NM OSE, USGS, and RECS monitor well records indicate that groundwater will likely be encountered at a depth of approximately 75 +/- feet.

On October 16th, 2014, a fiberglass injection line ruptured while installing a flange, releasing 125 barrels of produced water in 1,712 square feet of ditch line. The upstream valve was closed, and a vacuum truck was dispatched to the site. The vacuum truck recovered 120 barrels of produced water. NMOCD was notified of the release on October 17th, 2014, and an initial C-141 was sent to NMOCD for their approval. NMOCD approved the initial C-141 on October 20th, 2014 (Appendix A).

RECS personnel were on site beginning on October 16th, 2014, to assess the release. The site was photographed and GPS mapped. A track-hoe was utilized to remove the wet soil in the easily accessible areas, and a shovel crew was utilized to remove the wet soil from beneath the pipelines. All excavated soil was taken to a NMOCD approved facility for disposal.

Once the wet soil was removed, RECS personnel sampled the walls and bottom of the site for chlorides and organic vapors (Figure 1). The samples were then taken to a commercial laboratory for analysis (Appendix B). All wall and bottom samples returned laboratory chloride readings below 250 mg/kg with Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) readings of non-detect. Based on these laboratory readings, Apache backfilled the site with clean, imported soil.

Photo documentation of field activities can be found in Appendix C.

Given that Apache removed the contaminated soil and replaced it with clean, imported soil, Apache respectfully requests 'remediation termination' and site closure. A final C-141 can be found in Appendix D.

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 dark ink, appearing to read 'L. Weinheimer', with a long, sweeping horizontal stroke extending to the right.

Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

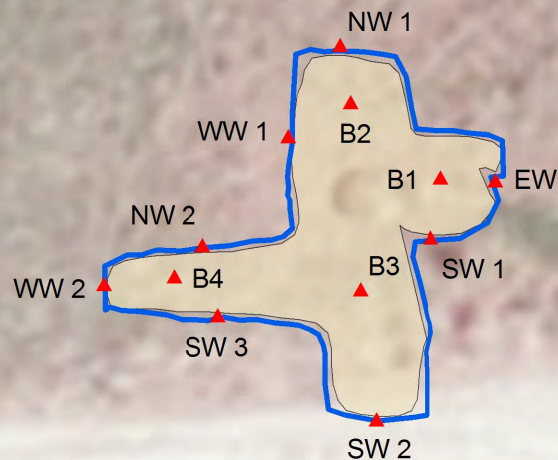
- Figure 1 – Excavation Map
- Appendix A – Initial C-141
- Appendix B – Laboratory Analyses
- Appendix C – Photo Documentation
- Appendix D – Final C-141

Figures

Excavation Map

WALL SAMPLES	CI-	PID	GRO	DRO
North Wall 1	<16.0	3.8	<10.0	<10.0
South Wall 1	<16.0	5.7	<10.0	<10.0
East Wall	32	5.6	<10.0	<10.0
South Wall 2	<16.0	22.7	<10.0	<10.0
West Wall 1	<16.0	12.5	<10.0	<10.0
North Wall 2	48	1	<10.0	<10.0
South Wall 3	96	4.4	<10.0	<10.0
West Wall 2	<16.0	2.4	<10.0	<10.0

BOTTOM SAMPLES	CI-	PID	GRO	DRO
Bottom 1	80	1.1	<10.0	<10.0
Bottom 2	48	7.4	<10.0	<10.0
Bottom 3	32	2.5	<10.0	<10.0
Bottom 4	64	2.5	<10.0	<10.0



Landowner: State
DGW: 75 FT

Source: Esri, DigitalGlobe, GeoEye, IGN, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, swisstopo, and the GIS User Community

Legend

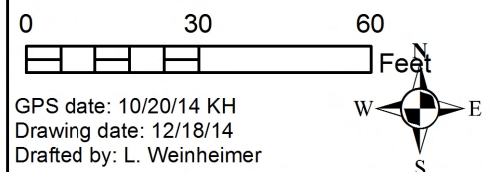
- ▲ FINAL SAMPLE POINTS
- 7 FT EXCAVATION
- STAIN - 1,712 SQ FT



APACHE
WBDU #75

UL L SECTION 16
T-21-S R-37-E
LEA COUNTY, NM

Figure 1



Appendix A

Initial C-141

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

OCT 20 2014

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance 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 2350 W Marland Blvd Hobbs, NM 88240	Telephone No. 432-631-6982
Facility Name WBDU # 75	Facility Type Oil Well
Surface Owner State	Mineral Owner
API No. 30-025-06615	

LOCATION OF RELEASE

Unit Letter L	Section 16	Township 21S	Range 37E	Feet from the 1980'	North/South Line FSL	Feet from the 660'	East/West Line FWL	County Lea
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Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 125 Barrels of produced water	Volume Recovered 120 Barrels of produced water
Source of Release injection line	Date and Hour of Occurrence 10/16/2014	Date and Hour of Discovery 10/16/2014
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Dr. Tomas Oberding (NMOCD)	
By Whom? Bruce Baker	Date and Hour 10/17/2014 at 11:37 a.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.*

During the installation of a flange on injection line nearest well WBDU 75 the line was in a bind resulting in the fiber glass line to break. The valve upstream was closed and a vacuum truck was dispatched to pick-up fluid.

Describe Area Affected and Cleanup Action Taken.* The entire release was contained inside the ditch line. After the standing fluid was picked up a track-hoe was utilized to start removing contaminated soil inside ditch line. A hand shoveling crew was utilized to remove contamination near and under the pipelines. The release area was mapped and samples collected and sent to a commercial laboratory for analysis.

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>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Bruce Baker	Approved by Environmental Specialist:	
Title: Environmental Technician	Approval Date: 10-20-14	Expiration Date: 12-20-14
E-mail Address: larry.baker@apachecorp.com	Conditions of Approval: <i>Site Super Request. Review & submit on and on per NMOCD guide</i>	Attached <input type="checkbox"/> <i>1 RP-3388</i>
Date: 10/20/2014	Phone: (432) 631-6982	<i>Submit final C-141 by 12-20-14</i>

OCT 27 2014

*Ogund 873
1101429 357089
1101429 357251*

Appendix B

Laboratory Analyses

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 20, 2014

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WBDU #75

Enclosed are the results of analyses for samples received by the laboratory on 10/17/14 15:50.

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 CORP - HOBBS
BRUCE BAKER
2350 W. MARLAND BLVD.
HOBBS NM, 88240
Fax To: (575) 393-2432

Received: 10/17/2014
Reported: 10/20/2014
Project Name: WBDU #75
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/17/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BOTTOM 1 (H403210-01)

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	10/20/2014	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	10/20/2014	ND	177	88.3	200	1.44	
DRO >C10-C28	<10.0	10.0	10/20/2014	ND	199	99.7	200	2.58	
Surrogate: 1-Chlorooctane	80.5 %	47.2-157							
Surrogate: 1-Chlorooctadecane	82.7 %	52.1-176							

Sample ID: BOTTOM 2 (H403210-02)

Chloride, SM4500Cl-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	10/20/2014	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	10/20/2014	ND	177	88.3	200	1.44	
DRO >C10-C28	<10.0	10.0	10/20/2014	ND	199	99.7	200	2.58	
Surrogate: 1-Chlorooctane	79.1 %	47.2-157							
Surrogate: 1-Chlorooctadecane	83.4 %	52.1-176							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

APACHE CORP - HOBBS
BRUCE BAKER
2350 W. MARLAND BLVD.
HOBBS NM, 88240
Fax To: (575) 393-2432

Received: 10/17/2014
Reported: 10/20/2014
Project Name: WBDU #75
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/17/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BOTTOM 3 (H403210-03)

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	10/20/2014	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	10/20/2014	ND	177	88.3	200	1.44	
DRO >C10-C28	<10.0	10.0	10/20/2014	ND	199	99.7	200	2.58	
Surrogate: 1-Chlorooctane	85.2 %	47.2-157							
Surrogate: 1-Chlorooctadecane	91.4 %	52.1-176							

Sample ID: NORTH WALL 1 (H403210-04)

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	10/20/2014	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	10/20/2014	ND	177	88.3	200	1.44	
DRO >C10-C28	<10.0	10.0	10/20/2014	ND	199	99.7	200	2.58	
Surrogate: 1-Chlorooctane		94.8 %	47.2-157						
Surrogate: 1-Chlorooctadecane		97.8 %	52.1-176						

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

APACHE CORP - HOBBS
BRUCE BAKER
2350 W. MARLAND BLVD.
HOBBS NM, 88240
Fax To: (575) 393-2432

Received: 10/17/2014
Reported: 10/20/2014
Project Name: WBDU #75
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/17/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOUTH WALL 1 (H403210-05)

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	10/20/2014	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	10/20/2014	ND	177	88.3	200	1.44	
DRO >C10-C28	<10.0	10.0	10/20/2014	ND	199	99.7	200	2.58	
Surrogate: 1-Chlorooctane	91.1 %	47.2-157							
Surrogate: 1-Chlorooctadecane	113 %	52.1-176							

Sample ID: SOUTH WALL 2 (H403210-06)

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	10/20/2014	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	10/20/2014	ND	177	88.3	200	1.44	
DRO >C10-C28	<10.0	10.0	10/20/2014	ND	199	99.7	200	2.58	
Surrogate: 1-Chlorooctane	81.9 %	47.2-157							
Surrogate: 1-Chlorooctadecane	80.2 %	52.1-176							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

 Received: 10/17/2014
 Reported: 10/20/2014
 Project Name: WBDU #75
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/17/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: WEST WALL 1 (H403210-07)

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	10/20/2014	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	10/20/2014	ND	177	88.3	200	1.44	
DRO >C10-C28	<10.0	10.0	10/20/2014	ND	199	99.7	200	2.58	
Surrogate: 1-Chlorooctane		70.5 %	47.2-157						
Surrogate: 1-Chlorooctadecane		81.4 %	52.1-176						

Sample ID: EAST WALL 1 (H403210-08)

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	10/20/2014	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	10/20/2014	ND	177	88.3	200	1.44	
DRO >C10-C28	<10.0	10.0	10/20/2014	ND	199	99.7	200	2.58	
Surrogate: 1-Chlorooctane	86.5 %	47.2-157							
Surrogate: 1-Chlorooctadecane	78.2 %	52.1-176							

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

Company Name: <u>Apache</u>		BILL TO		ANALYSIS REQUEST																					
Project Manager: <u>Bruce Baker</u>		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>WBDV # 75</u>		Phone #:																							
Sampler Name: Kyle Humphrey		Fax #:																							
FOR LAB USE ONLY	Lab I.D. <u>H4D3210</u>	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										
	1 Bottom 1													10-11-11	12:00	✓	✓								
	2 Bottom 2														12:05	✓	✓								
	3 Bottom 3														12:10	✓	✓								
	4 North well 1														12:15	✓	✓								
	5 South well 1														12:20	✓	✓								
	6 South well 2														12:25	✓	✓								
	7 West well 1														12:30	✓	✓								
	8 East well 1														12:35	✓	✓								

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>10/11/11</u>	Received By: <u>[Signature]</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)	Time: <u>2:40</u>	Sample Condition	REMARKS: <u>RUSH!!</u>	
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	email results	
		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Knorman@rice-ecs.com	
			Kjones@riceswd.com; jkamplain@rice-ecs.com hconder@rice-ecs.com;	
			Lweinheimer@rice-ecs.com	
			Khumphrey@rice-ecs.com	
			sedwards@rice-ecs.com, lflores@rice-ecs.com	

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

#54



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 21, 2014

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WBDU #75

Enclosed are the results of analyses for samples received by the laboratory on 10/20/14 14:55.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

 Received: 10/20/2014
 Reported: 10/21/2014
 Project Name: WBDU #75
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/20/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BOTTOM 4 (H403218-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/21/2014	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	10/20/2014	ND	177	88.3	200	1.44	
DRO >C10-C28	<10.0	10.0	10/20/2014	ND	199	99.7	200	2.58	
Surrogate: 1-Chlorooctane	86.0 %	47.2-157							
Surrogate: 1-Chlorooctadecane	93.4 %	52.1-176							

Sample ID: NORTH WALL 2 (H403218-02)

Chloride, SM4500Cl-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	10/21/2014	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	10/20/2014	ND	177	88.3	200	1.44	
DRO >C10-C28	<10.0	10.0	10/20/2014	ND	199	99.7	200	2.58	
Surrogate: 1-Chlorooctane	84.9 %	47.2-157							
Surrogate: 1-Chlorooctadecane	84.7 %	52.1-176							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

APACHE CORP - HOBBS
BRUCE BAKER
2350 W. MARLAND BLVD.
HOBBS NM, 88240
Fax To: (575) 393-2432

Received: 10/20/2014
Reported: 10/21/2014
Project Name: WBDU #75
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/20/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOUTH WALL 3 (H403218-03)

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	10/21/2014	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	10/20/2014	ND	177	88.3	200	1.44	
DRO >C10-C28	<10.0	10.0	10/20/2014	ND	199	99.7	200	2.58	
Surrogate: 1-Chlorooctane	93.8 %	47.2-157							
Surrogate: 1-Chlorooctadecane	119 %	52.1-176							

Sample ID: WEST WALL 2 (H403218-04)

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	10/21/2014	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	10/20/2014	ND	177	88.3	200	1.44	
DRO >C10-C28	<10.0	10.0	10/20/2014	ND	199	99.7	200	2.58	
Surrogate: 1-Chlorooctane		99.3 %	47.2-157						
Surrogate: 1-Chlorooctadecane		94.9 %	52.1-176						

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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

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Celey D. Keene, Lab Director/Quality Manager



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

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2466

#54

RUSH!

Appendix C

Photo Documentation

Apache WBDU #75

Unit Letter L, Section 16, T21S, R37E



Initial site photo, facing north

10/16/14



Initial site photo, facing west

10/16/14



Scraping out wet material, facing northeast

10/16/14



Continued excavation, facing south

10/17/14



Exporting soil, facing east

10/20/14



Site backfilled, facing east

12/1/14



Site backfilled, facing southeast

12/1/14



Site backfilled, facing south

12/1/14

Appendix D

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	2350 W Marland Street, Hobbs, NM 88240	Telephone No.	(432) 631-6982
Facility Name	WBDU #75	Facility Type	Oil Well
Surface Owner	State	Mineral Owner	
		API No.	30-025-06615

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	16	21S	37E	1980'	FSL	660'	FWL	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	125 Barrels of produced water	Volume Recovered	120 barrels of produced water
Source of Release	injection line	Date and Hour of Occurrence	10/16/2014	Date and Hour of Discovery	10/16/2014
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Dr. Tomas Oberding (NMOCD)		
By Whom?	Bruce Baker	Date and Hour	10/17/2014 at 11:37 a.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.*

During the installation of a flange on injection line nearest well WBDU 75 the line was in a bind resulting in the fiber glass line to break. The valve upstream was closed and a vacuum truck was dispatched to pick-up fluid.

Describe Area Affected and Cleanup Action Taken.*

The release affected 1,712 square feet of ditch line. RECS personnel were on site beginning on October 16th, 2014, to assess the release. The site was photographed and GPS mapped. A track-hoe was utilized to remove the wet soil in the easily accessible areas, and a shovel crew was utilized to remove the wet soil from beneath the pipelines. All excavated soil was taken to a NMOCD approved facility for disposal. Once the wet soil was removed, RECS personnel sampled the walls and bottom of the site for chlorides and organic vapors. The samples were then taken to a commercial laboratory for analysis. All wall and bottom samples returned laboratory chloride readings below 250 mg/kg with GRO and DRO readings of non-detect. Based on these laboratory readings, Apache backfilled the site with clean, imported soil.

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>Bruce Baker</u>		<u>OIL CONSERVATION DIVISION</u>	
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:	
Date: <u>1-16-15</u> Phone: (432) 631-6982		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary