



EXPLORING WHAT'S POSSIBLE

RECEIVED

By OCD District 1 at 1:45 pm, Aug 21, 2015

APPROVED

By OCD District 1 at 1:45 pm, Aug 21, 2015

APACHE CORPORATION

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

NMGSAU Sat 15 Emulsion Line (1RP-3574)

Termination Request

API No. 30-025-05776

Release Date: February 25th, 2015

Unit Letter F, Section 31, Township 19S, Range 37E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

August 20, 2015

Kellie Jones

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

**RE: Termination Request
Apache NMGSAU Sat. 15 Emulsion Line (1RP-3574)
UL/F sec. 31 T19S R37E
API No. 30-025-05776**

Ms Jones:

Apache Corporation (Apache) has retained Basin Environmental Service Technologies, LLC (BEST) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 1.6 miles southwest of Monument, New Mexico at UL/F of sec. 31 T19S R37E. NM OSE, USGS and BEST installed monitor wells indicate that no groundwater will be encountered beneath the site (Figure 1).

On February 25th, 2015, a contractor was excavating a ditch for a new poly flow line and struck the fiberglass line. A total of 10 barrels of produced water and 5 barrels of oil were released over 1,287 square feet of lease road and pasture land. The line was isolated, and a vacuum truck was called to the site to pick up the standing fluid. The vacuum truck recovered 9 barrels of produced water and 3 barrels of oil. An initial C-141 was sent to NMOCD on March 23rd, 2015 and was approved the same day (Appendix A).

The release was excavated until field sampling data indicated that discrete wall and bottom sampling points would return chloride, Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) readings below regulatory standards. The discrete wall and bottom samples were taken to a commercial laboratory to confirm field sampling data (Appendix B). WW1 returned a laboratory chloride reading of non-detect, and EW1 returned a laboratory chloride reading of 32 mg/kg. The bottom sample at Pt. 2 returned a laboratory chloride reading of 96 mg/kg. All three samples returned GRO and DRO readings of non-detect. The remainder of the samples returned chloride readings over regulatory standards.

The excavated soil was taken to a NMOC approved facility for disposal. Clean soil was imported to the site to serve as backfill. The pasture area was backfilled with clean top soil, and the caliche road was backfilled with clean caliche.

The excavation was re-opened on May 18th, 2015, to increase the depth of the excavation around the area at Pt. 1 and to further expand the walls of the excavation to obtain discrete sampling data below regulatory standards (Figure 2). The Pt. 1 bottom sample at 7 ft bgs was excavated to a depth of 9 ft bgs, and a discrete bottom sample was taken and field tested for chlorides and organic vapors. The walls of the excavation around WW2 and EW2 were expanded outward until field sampling data indicated that the discrete samples at WW2 and EW2 would return laboratory chloride, GRO and DRO readings below regulatory standards. The bottom sample and the two wall samples were taken to a commercial laboratory for analyzes. Pt. 1 at 9 ft bgs returned a laboratory chloride reading of 176 mg/kg, WW2 returned a laboratory chloride reading of 176 mg/kg and EW2 returned a laboratory chloride reading of 128 mg/kg. GRO and DRO readings returned values of non-detect, except for the DRO reading of Pt. 1 at 9 ft bgs, which returned a DRO reading of 96.2 mg/kg.

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

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

BEST appreciates the opportunity to work with you on this project. Please call Kyle Norman 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 stylized flourish at the end.

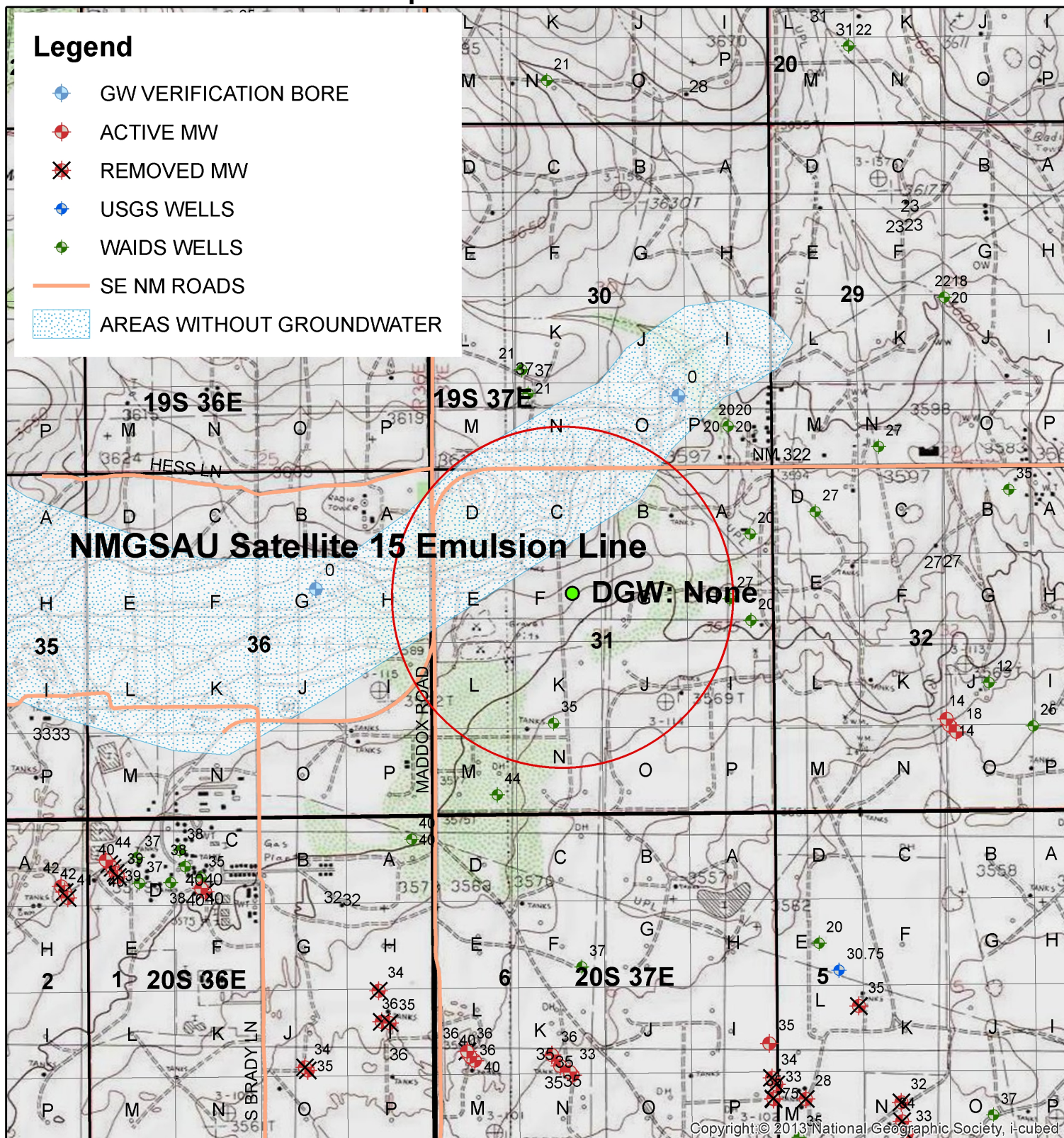
Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

- Figure 1 – Initial Sampling Data
- Figure 2 – Excavation Data
- Appendix A – Initial C-141
- Appendix B – Laboratory Analyses
- Appendix C – Photo Documentation
- Appendix D – Final C-141

Figures

Depth to Groundwater



**APACHE NMGSAU
SAT. 15
EMULSION LINE**

NMOCD Case #: 1RP-3574

UL F SECTION 31
T-19-S R-37-E
LEA COUNTY, NM

Figure 1

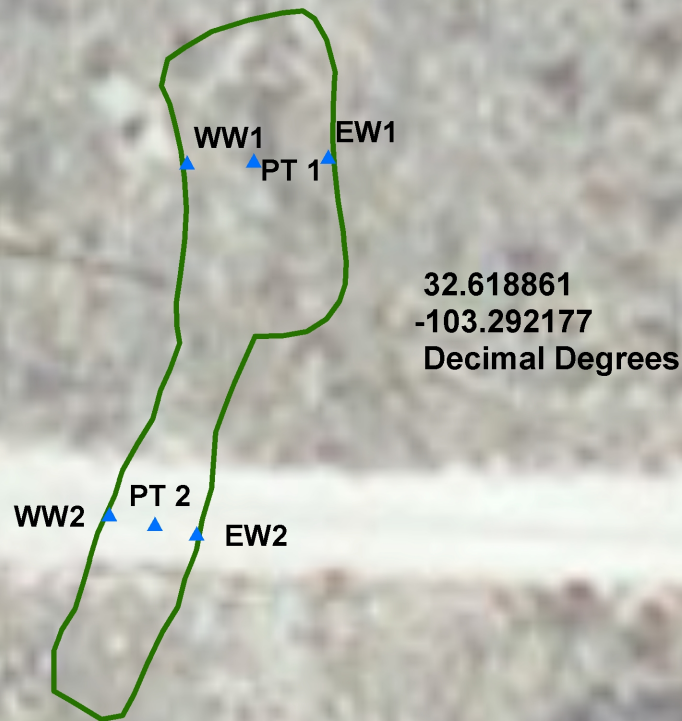


0 0.25 0.5
Miles

Drawing date: 3/5/15
Drafted by: L. Weinheimer

Excavation Data

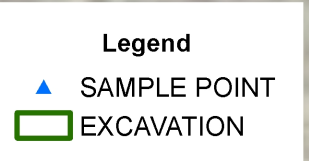
	Final Sample Data									
	CI-	PID	GRO	DRO	B	T	E	X	BTEX	DATE
WW 1	<16	12.8	<10	<10						2/26/2015
EW1	32	17	<10	<10						2/26/2015
PT 1	464	222.5	53.4	379	<0.05	0.068	<0.05	0.21	<0.3	2/26/2015
PT 1 @ 9'	176	67	<10	96.2						5/18/2015
WW2	592	67	<10	20.8						3/2/2015
WW2	176	2.8	<10	<10						5/18/2015
EW2	544	36.2	<10	17.8						3/2/2015
EW2	128	36.2	<10	<10						5/18/2015
PT 2 @ 10'	96	3.6	<10	<10						3/2/2015



Landowner: Charlcie F. Byrd
DGW: None

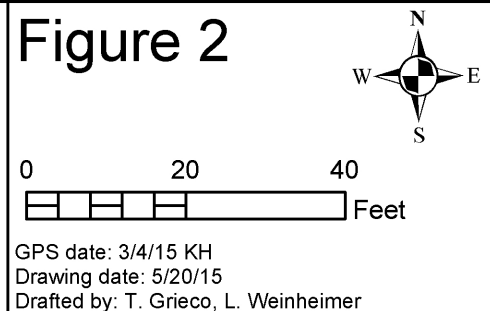
bing™

Image courtesy of ImagePatch.com



**APACHE NMGSAU
SAT. 15
EMULSION LINE**
NMOCD Case #: 1RP-3574
UL F SECTION 31
T-19-S R-37-E
LEA COUNTY, NM

Figure 2



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

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 Blvd Hobbs, NM 88240	Telephone No. (432) 631-6982
Facility Name NMGSAU Sat 15 Emulsion line (near NMGSAU 1505 W)	Facility Type: Emulsion Line

Surface Owner Charlcie F. Byrd	Mineral Owner	API No. 30-025-05776
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LOCATION OF RELEASE

Unit Letter F	Section 31	Township 19S	Range 37E	Feet from the 1550'	North/South Line FNL	Feet from the 330'	East/West Line FWL	County Lea
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Latitude N32.61956 Longitude W103.29815

NATURE OF RELEASE

Type of Release: oil and produced water	Volume of Release 10 barrels of water and 5 barrels of oil	Volume Recovered 9 barrels of water and 3 barrels of oil
Source of Release: fiberglass line	Date and Hour of Occurrence 2/25/2015	Date and Hour of Discovery 2/25/2015
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	By OCD: Dr. Oberding at 3:30 pm, Mar 23, 2015
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 contractor was excavating a ditch for a new poly flow line and stuck the fiberglass line resulting in the loss of fluid. The line was isolated and a vacuum truck called to pick-up standing fluid.

Describe Area Affected and Cleanup Action Taken.*

The entire release was contained inside the ditch line.

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 <i>Environmental Specialist</i>	
Title: Environmental Technician	Approval Date: 03/23/2015	Expiration Date: 06/23/2015
E-mail Address: larry.baker@apachecorp.com	Conditions of Approval: Site samples required. Delineate and remediate area as per NMOCD guides.	Attached <input type="checkbox"/>
Date: 3/18/2015	Phone: (432) 631-6982	IRP-3574 873

nTO1508256061

pTO1508256510

Appendix B

Laboratory Analyses

Basin Environmental Service Technologies (BEST)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

March 02, 2015

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NMGSAU SAT. 15 EMULSION LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/26/15 16:50.

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:	02/26/2015	Sampling Date:	02/26/2015
Reported:	03/02/2015	Sampling Type:	Soil
Project Name:	NMGSAU SAT. 15 EMULSION LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: WEST WALL 1 (H500561-01)

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	02/27/2015	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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	62.9 %	47.2-157							
Surrogate: 1-Chlorooctadecane	55.1 %	52.1-176							

Sample ID: EAST WALL 1 (H500561-02)

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	02/27/2015	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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	63.4 %	47.2-157							
Surrogate: 1-Chlorooctadecane	55.2 %	52.1-176							

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

Received:	02/26/2015	Sampling Date:	02/26/2015
Reported:	03/02/2015	Sampling Type:	Soil
Project Name:	NMGSAU SAT. 15 EMULSION LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 1 (H500561-03)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2015	ND	2.10	105	2.00	2.53	
Toluene*	0.068	0.050	02/27/2015	ND	1.93	96.6	2.00	3.29	
Ethylbenzene*	<0.050	0.050	02/27/2015	ND	2.18	109	2.00	1.68	
Total Xylenes*	0.219	0.150	02/27/2015	ND	5.82	97.0	6.00	1.22	
Total BTEX	<0.300	0.300	02/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	02/27/2015	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	53.4	50.0	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	379	50.0	02/27/2015	ND	186	92.8	200	4.05	

Surrogate: 1-Chlorooctane 69.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 70.0 % 52.1-176

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

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*=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

RUSH!!

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ApochP				BILL TO				ANALYSIS REQUEST																			
Project Manager: Bruce Parker				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>Chlorides</div> <div>TPH 8015 M added 2/27/15</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: NMGSAU SAT. 15 Emulsion Lm				Phone #:																							
Sampler Name:				Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	(GRAB OR C/OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
H500561																											
	1 West Wall 2	6	1			/							2-26-15	3:30	/												
	2 East Wall 2	6	1			/							2-26-15	3:35	/												
	3 Pt. 2	6	1			/							2-26-15	3:40	/												

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>[Signature]</i>	Date: 2/26/15	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: 4:50		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		email: hconder@riceswd.com; lflores@rice-ecs.com;	
Delivered By: (Circle One)			lweinheimer@rice-ecs.com; knorman@rice-ecs.com;	
Sampler - UPS - Bus - Other:			jkamplain@rice-ecs.com; sedwards@rice-ecs.com;	
			cursanic@rice-ecs.com	
			Environmental Tech: <i>K Humphrey</i> @rice-ecs.com	

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

#54

**TPH added as per Bruce/Rush. 2/27/15. ck*

March 03, 2015

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NMGSAU SAT. 15 EMULSION LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/02/15 12:40.

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/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:	03/02/2015	Sampling Date:	03/02/2015
Reported:	03/03/2015	Sampling Type:	Soil
Project Name:	NMGSAU SAT. 15 EMULSION LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BOTTOM 2 @ 10' (H500571-01)

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	03/02/2015	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	03/02/2015	ND	197	98.7	200	0.147	
DRO >C10-C28	<10.0	10.0	03/02/2015	ND	182	91.1	200	4.87	
Surrogate: 1-Chlorooctane	61.6 %	47.2-157							
Surrogate: 1-Chlorooctadecane	55.5 %	52.1-176							

Sample ID: WEST WALL 2 (H500571-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	03/02/2015	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	03/02/2015	ND	197	98.7	200	0.147	
DRO >C10-C28	20.8	10.0	03/02/2015	ND	182	91.1	200	4.87	
Surrogate: 1-Chlorooctane	61.7 %	47.2-157							
Surrogate: 1-Chlorooctadecane	56.8 %	52.1-176							

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

Received:	03/02/2015	Sampling Date:	03/02/2015
Reported:	03/03/2015	Sampling Type:	Soil
Project Name:	NMGSAU SAT. 15 EMULSION LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EAST WALL 2 (H500571-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	03/02/2015	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	03/02/2015	ND	197	98.7	200	0.147	
DRO >C10-C28	17.8	10.0	03/02/2015	ND	182	91.1	200	4.87	
Surrogate: 1-Chlorooctane	61.3 %	47.2-157							
Surrogate: 1-Chlorooctadecane	64.1 %	52.1-176							

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*=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

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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

RUSH!!

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Apache		BILL TO		ANALYSIS REQUEST																						
Project Manager: BOLCE BAKER		P.O. #:		<div style="display: flex; flex-direction: column; align-items: center;"> <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: NM GSAU SAT. 15 Emulsion		Phone #:																								
Sampler Name:		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												
H500571																										
	1 Bottom 2 @ 10 FT	61				1				1			3-2-15	11:20	1	1										
	2 West Well 2	61				1				1			3-2-15	12:05	1	1										
	3 East Well 2	61				1				1			3-2-15	12:08	1	1										

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Relinquished By:	Date: 3/2/15	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
[Signature]	Time: 12:40	[Signature]	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		email: hconder@riceswd.com; lflores@rice-ecs.com;	
Delivered By: (Circle One)		Sample Condition	Checked By: (Initials)	
Sampler - UPS - Bus - Other:	4.82	Cool Intact	[Signature]	
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Environmental Tech: @rice-ecs.com	
		<input type="checkbox"/> No <input type="checkbox"/> No		

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

#54

Appendix C

Photo Documentation

Basin Environmental Service Technologies (BEST)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

Apache NMGSAU Sat 15 Emulsion Line

Unit Letter F, Section 31, T19S, R37E



Excavating the release, facing west

3/3/15



Excavating release, facing south

3/2/15



Re-opening excavation to extend walls, facing east

5-18-15



Re-opening excavation to extend walls, facing northwest

5-18-15



Backfilling site, facing south

5/18/15



Backfilling site, facing west

5/18/15

Appendix D

Final 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

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 Blvd, Hobbs, NM 88240	Telephone No.	(432) 631-6982
Facility Name	NMGSAU Sat 15 Emulsion Line (near NMGSAU 1505 W)	Facility Type	Emulsion Line

Surface Owner	Charlcie F. Byrd	Mineral Owner		API No.	30-025-05776
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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
F	31	19S	37E	1550'	FNL	330'	FWL	Lea

Latitude N32.61956 Longitude W103.29815

NATURE OF RELEASE

Type of Release	oil and produced water	Volume of Release	10 barrels of water and 5 barrels of oil	Volume Recovered	9 barrels of water and 3 barrels of oil
Source of Release	fiberglass line	Date and Hour of Occurrence	2/25/15	Date and Hour of Discovery	2/25/15
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 contractor was excavating a ditch for a new poly line and struck the fiberglass line resulting in the loss of fluid. The line was isolated and a vacuum truck called to pick up the standing fluid. The entire release was contained inside the ditch line.

Describe Area Affected and Cleanup Action Taken.* The release was excavated until field sampling data indicated that discrete wall and bottom sampling points would return chloride, GRO and DRO readings below regulatory standards. The discrete wall and bottom samples were taken to a commercial laboratory to confirm field sampling data. WW1 returned a laboratory chloride reading of non-detect, and EW1 returned a laboratory chloride reading of 32 mg/kg. The bottom sample at Pt. 2 returned a laboratory chloride reading of 96 mg/kg. The remainder of the samples returned chloride readings over regulatory standards. The excavated soil was taken to a NMOCD approved facility for disposal. Clean soil was imported to the site to serve as backfill. The excavation was re-opened on May 18th, 2015, to increase the depth of the excavation around the area at Pt. 1 and to further expand the walls of the excavation to obtain discrete sampling data below regulatory standards. The Pt. 1 bottom sample at 7 ft bgs was excavated to a depth of 9 ft bgs, and a discrete bottom sample was taken and field tested for chlorides and organic vapors. The walls of the excavation around WW2 and EW2 were expanded outward until field sampling data indicated that the discrete samples at WW2 and EW2 would return laboratory chloride, GRO and DRO readings below regulatory standards. The bottom sample and the two wall samples were taken to a commercial laboratory for analyzes. All samples returned constituents below regulatory standards.

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: <i>Larry Baker</i>		
Title: Environmental Technician	Approval Date: 08/21/2015	Expiration Date: ///	
E-mail Address: larry.baker@apachecorp.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 8-19-15	Phone: (432) 631-6982	///	1RP 3574

* Attach Additional Sheets If Necessary