

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Release Notification and Corrective Action

NABI435357865

OPERATOR

Initial Report Final Report

Name of Company Apache Corporation <i>873</i>	Contact Bruce Baker
Address 2350 W Marland Blvd Hobbs NM 88240	Telephone No. (432) 631-6982
Facility Name AAO Federal SWD # 1	Facility Type SWD
Surface Owner BLM	Mineral Owner
API No. 30-015-42549	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	1	18S	27E	2470'	FNL	2380'	FEL	Eddy

Latitude *32.77649* Longitude *104.231339*

NATURE OF RELEASE

Type of Release brine water	Volume of Release 30 Barrels	Volume Recovered 0 Barrels
Source of Release mud pits	Date and Hour of Occurrence 11/12/14 at 10:00 p.m.	Date and Hour of Discovery 11/12/14 at 10:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jeffery Robertson (BLM) and Heather Patterson (NMOCD)	
By Whom? Bruce Baker	Date and Hour 11/13/2014	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 19 2014

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.

Well started flowing back at 1000 barrels per hour and overflowed mud pits. Trucks were dispatched and began pumping water from pits and transporting to disposal.

RECEIVED

Describe Area Affected and Cleanup Action Taken.

The entire release was contained to the lease pad. Once drilling operations are complete the site will be cleaned up to 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>[Signature]</i>	
Title: Environmental Technician	Approval Date: <i>12/19/14</i>	Expiration Date: <i>NA</i>
E-mail Address: larry.baker@apachecorp.com	Conditions of Approval:	
Date: 12/19/2014 Phone: (432) 631-6982	Remediation per O.C.D. Rules & Guidelines Attached <input type="checkbox"/>	

SUBMIT REMEDIATION PROPOSAL NO

LATER THAN: *1/19/15*

2RP-2678

* Attach Additional Sheets If Necessary

Sampling Data

Point 1

	CI-	PID	GRO	DRO	B	T	E	X	BTEX
Surface	12732	22							
6"	1180	27	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
1'	176	14.6	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3

Point 2

	CI-	PID	GRO	DRO	B	T	E	X	BTEX
Surface	11545	15							
6"	608	15.7	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
1'	128	36	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3

Point 3

	CI-	PID
Surface	3821	27.4
6"	139	12.3

Point 4

	CI-	PID	GRO	DRO	B	T	E	X	BTEX
Surface	7888	3.5							
6"	656	12.8	<10	10.3	<0.05	<0.05	<0.05	<0.15	<0.3
1'	48	5.6	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3

Point 5

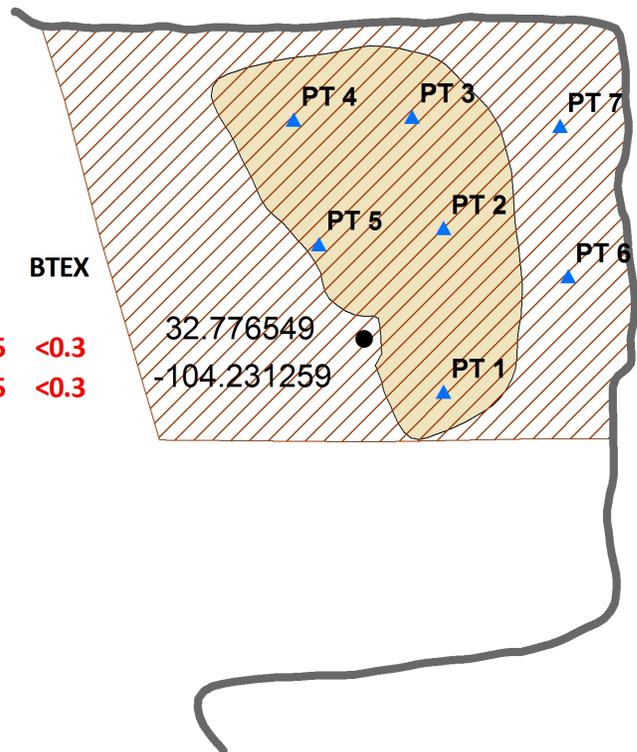
	CI-	PID
Surface	3774	17.7
6"	176	14

Point 6

	CI-	PID
6"	84	12.8

Point 7

	CI-	PID
6"	86	18.9



Legend

- ▲ SAMPLE POINT
- WELLHEAD
- PAD/ROAD EDGE
- SCRAPE TO 6 INCHES
- STAIN (13,349 SQ FT)

CI- FIELD DATA

CI- LAB DATA

Landowner: BLM
DGW: 117 ft or None



APACHE AAO SWD #01

Legals: UL/G sec. 1
T-18-S R-27-E
EDDY COUNTY, NM

Underground facilities are spatially projected and need to be field verified.

0 50 100
Feet

GPS date: 1/14/15 KH, 2/2/15 KH
Drawing date: 2/3/15
Drafted by: L. Weinheimer





January 23, 2015

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: AAD SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 01/21/15 11:35.

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:	01/21/2015	Sampling Date:	01/20/2015
Reported:	01/23/2015	Sampling Type:	Soil
Project Name:	AAD SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: VERTICAL 1 @ 6" (H500199-01)

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	01/22/2015	ND	1.62	80.9	2.00	9.70	
Toluene*	<0.050	0.050	01/22/2015	ND	1.58	79.0	2.00	11.4	
Ethylbenzene*	<0.050	0.050	01/22/2015	ND	1.52	76.1	2.00	10.6	
Total Xylenes*	<0.150	0.150	01/22/2015	ND	4.57	76.2	6.00	11.3	
Total BTEX	<0.300	0.300	01/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1180	16.0	01/22/2015	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	01/21/2015	ND	192	95.9	200	2.00	
DRO >C10-C28	<10.0	10.0	01/21/2015	ND	191	95.6	200	0.476	

Surrogate: 1-Chlorooctane 102 % 47.2-157
Surrogate: 1-Chlorooctadecane 115 % 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:	01/21/2015	Sampling Date:	01/20/2015
Reported:	01/23/2015	Sampling Type:	Soil
Project Name:	AAD SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: VERTICAL 1 @ 1' (H500199-02)

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	01/22/2015	ND	1.62	80.9	2.00	9.70	
Toluene*	<0.050	0.050	01/22/2015	ND	1.58	79.0	2.00	11.4	
Ethylbenzene*	<0.050	0.050	01/22/2015	ND	1.52	76.1	2.00	10.6	
Total Xylenes*	<0.150	0.150	01/22/2015	ND	4.57	76.2	6.00	11.3	
Total BTEX	<0.300	0.300	01/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/22/2015	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	01/21/2015	ND	192	95.9	200	2.00	
DRO >C10-C28	<10.0	10.0	01/21/2015	ND	191	95.6	200	0.476	

Surrogate: 1-Chlorooctane 99.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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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:	01/21/2015	Sampling Date:	01/20/2015
Reported:	01/23/2015	Sampling Type:	Soil
Project Name:	AAD SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: VERTICAL 2 @ 6" (H500199-03)

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	01/22/2015	ND	1.62	80.9	2.00	9.70	
Toluene*	<0.050	0.050	01/22/2015	ND	1.58	79.0	2.00	11.4	
Ethylbenzene*	<0.050	0.050	01/22/2015	ND	1.52	76.1	2.00	10.6	
Total Xylenes*	<0.150	0.150	01/22/2015	ND	4.57	76.2	6.00	11.3	
Total BTEX	<0.300	0.300	01/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	01/22/2015	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	01/21/2015	ND	192	95.9	200	2.00	
DRO >C10-C28	<10.0	10.0	01/21/2015	ND	191	95.6	200	0.476	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 111 % 52.1-176

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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:	01/21/2015	Sampling Date:	01/20/2015
Reported:	01/23/2015	Sampling Type:	Soil
Project Name:	AAD SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: VERTICAL 2 @ 1' (H500199-04)

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	01/22/2015	ND	1.62	80.9	2.00	9.70	
Toluene*	<0.050	0.050	01/22/2015	ND	1.58	79.0	2.00	11.4	
Ethylbenzene*	<0.050	0.050	01/22/2015	ND	1.52	76.1	2.00	10.6	
Total Xylenes*	<0.150	0.150	01/22/2015	ND	4.57	76.2	6.00	11.3	
Total BTEX	<0.300	0.300	01/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

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	01/22/2015	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	01/21/2015	ND	192	95.9	200	2.00	
DRO >C10-C28	<10.0	10.0	01/21/2015	ND	191	95.6	200	0.476	

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

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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:	01/21/2015	Sampling Date:	01/20/2015
Reported:	01/23/2015	Sampling Type:	Soil
Project Name:	AAD SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: VERTICAL 4 @ 6" (H500199-05)

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	01/22/2015	ND	1.62	80.9	2.00	9.70		
Toluene*	<0.050	0.050	01/22/2015	ND	1.58	79.0	2.00	11.4		
Ethylbenzene*	<0.050	0.050	01/22/2015	ND	1.52	76.1	2.00	10.6		
Total Xylenes*	<0.150	0.150	01/22/2015	ND	4.57	76.2	6.00	11.3		
Total BTEX	<0.300	0.300	01/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	01/22/2015	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	01/21/2015	ND	192	95.9	200	2.00		
DRO >C10-C28	10.3	10.0	01/21/2015	ND	191	95.6	200	0.476		

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

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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:	01/21/2015	Sampling Date:	01/20/2015
Reported:	01/23/2015	Sampling Type:	Soil
Project Name:	AAD SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: VERTICAL 4 @ 1' (H500199-06)

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	01/22/2015	ND	1.62	80.9	2.00	9.70	
Toluene*	<0.050	0.050	01/22/2015	ND	1.58	79.0	2.00	11.4	
Ethylbenzene*	<0.050	0.050	01/22/2015	ND	1.52	76.1	2.00	10.6	
Total Xylenes*	<0.150	0.150	01/22/2015	ND	4.57	76.2	6.00	11.3	
Total BTEX	<0.300	0.300	01/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	48.0	16.0	01/22/2015	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	01/21/2015	ND	192	95.9	200	2.00	
DRO >C10-C28	<10.0	10.0	01/21/2015	ND	191	95.6	200	0.476	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 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

Apache AAO SWD #1

Unit Letter G, Section 1, T18S, R27E



2015/01/12

Initial release area, facing west

1/12/15



2015/01/12

Initial release area, facing south

1/12/15



2015/01/20

Vertical installation, facing east

1/20/15



2015/02/02

Scraping release, facing south

2/2/15



Scraping release, facing north

2/2/15



Exporting soil, facing southeast

2/2/15