

2350 W Marland Blvd Hobbs, NM 88240

# **Termination Report**

November 28, 2016

Re: Hawk B 3 # 9 API# 30-025-06501 Case # 1RP-3572

To: Kristin Lynch

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

On June 15<sup>th</sup>, 2015 an amendment to the path forward was submitted to NMOCD and BLM and approved by NMOCD and BLM on July 24, 2015. The path forward stated that a liner would be installed a 20 mil liner at 22 feet below ground surface. The remaining backfill that was submitted in the amended path forward was utilized to backfill above the liner and the 10 feet excavation south of the 22 feet excavation to a depth of 4 feet below ground surface. The northern portion of the release area will be excavated to a depth of 4 feet below ground surface and discrete wall samples will be taken and sent to a commercial laboratory for analysis of chloride and volatile organic compounds. At 4 feet below ground surface a 20 mil reinforced liner would be installed and properly seated and the remaining backfill with clean imported soil and contoured to the surrounding location. The site will be seeded with a blend of native vegetation.

On July 28 through July 30, 2015 a 20 mil reinforced liner was installed at 22 feet and backfilled to 4 feet below ground surface in the 22 feet excavation and 10 feet excavation. The area to the north was excavated to a depth of 4 feet and discrete wall samples were collected and submitted to a commercial laboratory for analysis.

On November 13, 2015 a 20 mil reinforced liner was installed and properly seated at 4 feet below ground surface and backfilled with clean imported soil and contoured to the surrounding location. On April 1, 2016 the site was seeded with a blend of native vegetation.

Enclosed: Initial C-141, Amended Path Forward, Approvals of Path Forward, Laboratory analysis for wall samples, Photos, and final C-141.

Apache has completed the approved amended path forward and respectfully request termination of release.

Submitted by;

Page 2 of 30

Received by OCD: 1/5/2023 9:32:20 AM

Bruce Baker

Environmental Technician larry.baker@apachecorp.com Cell# 432-631-6982 Off# 575-393-7106 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 C** 

n and Corrective Action							
OPERATOR	$\boxtimes$	Initial Report		Final Report			
Contact Bruce Baker				1			
Telephone No. (432) 631-6982							
Facility Type: Oil Well		····					

API # 30-025-06501

Volume Recovered 25 barrels of oil and

Surface Owner Farmer Raymond

Type of Release: oil and produced water

Facility Name Hawk B-3 # 9

Name of Company: Apache Corporation

Address: 2350 W Marland Blvd Hobbs, NM 88240

### LOCATION OF RELEASE

Mineral Owner BLM

Unit LetterSectionTownshipRangeFeet from the 1650'North/South LineFeet from the 1650'East/West Line FELCounty Lea	_									
		Unit Letter R	Section 3		37E	1650'	FSL			County

Latitude N32,50517 Longitude W103,14773 NATURE OF RELEASE

Volume of Release 26 barrels of

### oil and 54 barrels of water 50 barrels of water Source of Release: Flow line Date and Hour of Occurrence Date and Hour of Discovery 2/16/2015 2/16/2015 Was Immediate Notice Given? If YES, To Whom? Yes 🗋 No 🗋 Not Required Dr. Oberding (NMOCD) By Whom? Bruce Baker Date and Hour 2/17/2015 via email Was a Watercourse Reached? If YES, Volume Impacting the Watercourse, Yes 🛛 No RECEIVED If a Watercourse was Impacted, Describe Fully.\* By OCD; Dr. Oberding at 3:04 pm, Mar 23, 2015 Describe Cause of Problem and Remedial Action Taken.\* The flow line ruptured. The well was shut in and a vacuum truck was dispatched to pick-up standing fluid.

Describe Area Affected and Cleanup Action Taken.\* The entire release was contained inside a 20'X 20'X3' bell hole in the pasture.

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.

A 2 1	OIL CONSERVATION DIVISION			
Signature: Porwee Bracher				
Printed Name: Bruce Baker	Approved by Environmental Specialist	Pho Pho		
Title: Environmental Technician	Approval Date: 03/23/2015 Expiration	Date: 06/21/2015		
E-mail Address: larry.baker@apachecorp.com	Conditions of Approval: Site samples required. Delineate and	Attached		
Date: 3/23/2015 Phone: (432) 631-6982	remediate are as per NMOCD guides.	1RP-3572 873		
Attach Additional Sheets If Necessary				

nTO1508254498

pTO1508254870

Released to Imaging: 1/5/2023 9:44:29 AM

Dage 3 of 30



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

June 15<sup>th</sup>, 2015

### **Kellie Jones**

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

### RE: Amended Path Forward Apache Hawk B-3 #9 (1RP-3572) UL/Q sec. 3 T21S R37E API No. 30-025-06501

Ms. Jones:

Received by OCD: 1/5/2023 9:32:20 AM

A Path Forward was submitted to NMOCD and BLM on April 30<sup>th</sup>, 2015. NMOCD approved the Path Forward on April 30<sup>th</sup>, 2015, and BLM approved the Path Forward on May 7<sup>th</sup>, 2015.

The Path Forward stated that the bell hole is located under a series of high line electric lines, negating the possibility of installing soil bores at the site. Therefore, in order to hinder the movement of residual chlorides through the vadose zone, the area around Vertical 1 would be excavated to a depth of 13 ft bgs. Once the excavation was completed, wall samples would be taken and a 20-mil reinforced liner would be installed and properly seated at the base of the excavation. All excavated soil would be taken to a NMOCD approved facility for disposal. The excavation would then be backfilled with imported soil.

### Addendum to the Path Forward

The bell hole has been excavated to a depth of 22 ft, and the area to the south of the bell hole has been excavated to a depth of 10 ft bgs. The excavated soil was evaluated for use as backfill, and soil that did not meet regulatory standards was taken to a NMOCD facility for disposal. The remaining soil was blended on site, and a sample of the blended soil was taken to a commercial laboratory for analyses. The blended soil returned a chloride reading of 656 mg/kg, a GRO reading of non-detect, a DRO reading of 464 mg/kg and a total BTEX reading of non-detect.

An additional vertical, Vertical 4, was installed north of the bell hole to determine the extent of contamination in this area. The vertical was installed to a depth of 4 ft bgs, and that sample was taken to a commercial laboratory for analyses. The 4 ft sample returned a chloride reading of 1,170 mg/kg with GRO and DRO readings of non-detect.

Based on these sampling data, a 20-mil, reinforced liner will be installed within the 22 ft bgs excavation. The 22 ft bgs and 10 ft bgs excavations will then be backfilled with the blended soil to 4 ft bgs. The northern portion of the release area will be excavated to a depth of 4 ft bgs. Once the entire release area reaches 4 ft bgs, discrete wall samples will be taken and sent to a

commercial laboratory. The samples will be tested for chlorides and volatile organic compounds to confirm that the walls return readings below regulatory standards.

At 4 ft bgs, a 20-mil reinforced poly liner will be installed and properly seated throughout the base of the excavation. The excavation will be backfilled with clean, imported soil as needed. The release area will be contoured to the surrounding location, and the site will be seeded with a blend of native vegetation.

Once these actions have been completed, a Termination Request will be submitted to NMOCD and BLM with a request for 'remediation termination' and site closure.

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.

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Sincerely,

ACWA

Lara Weinheimer Project Scientist RECS (575) 441-0431

Page 5 of 30

# **Vertical Data**



Received by OCD: 1/5/2023 9:32:20 AM



May 28, 2015

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS, NM 88240

RE: HAWK B -3 #9

Enclosed are the results of analyses for samples received by the laboratory on 05/27/15 16:34.

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 <a href="https://www.tceq.texas.qov/field/qa/lab">www.tceq.texas.qov/field/qa/lab</a> accredited certif.html.

Cardinal Laboratories is accreditated 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,

Celeg D. Kune

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:	05/27/2015	Sampling Date:	05/27/2015
Reported:	05/28/2015	Sampling Type:	Soil
Project Name:	HAWK B-3 #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HAWK B-3 #9		

### Sample ID: VERT 4 @ 4' (H501332-01)

Chloride, SM4500CI-B mg/kg Analyzed By: AP Analyte Result **Reporting Limit** Analyzed Method Blank BŞ % Recovery True Value QC RPD Qualifier Chloride 1170 16.0 05/28/2015 ND 432 108 400 3.77 TPH 8015M mg/kg Analyzed By: MS Analyte Result **Reporting Limit** Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier GRO C6-C10 <50.0 50.0 05/28/2015 ND 186 92.9 200 0.301 DRO >C10-C28 <50.0 05/28/2015 50.0 ND 203 102 200 0.397 Surrogate: 1-Chlorooctane 93.6% 47.2-157 Surrogate: 1-Chlorooctadecane 134% 52,1-176

Page 8 of 30

### **Cardinal Laboratories**

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Callery La trance

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 5

\*=Accredited Analyte

9:44:29 AM

Imaging: 1/5/2023

Released to



### Analytical Results For:

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

Received:	05/27/2015	Sampling Date:	05/27/2015
Reported:	05/28/2015	Sampling Type:	Soli
Project Name:	HAWK B -3 #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HAWK B-3 #9		

### Sample ID: SPOIL PILE (H501332-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.051	0.050	05/28/2015	ND	1.83	91.4	2.00	0.634	
Toluene*	0.096	0.050	05/28/2015	ND	1.87	93.3	2.00	1.71	
Ethylbenzene*	<0.050	0.050	05/28/2015	ND	1.75	87.5	2.00	3.91	
Total Xylenes*	<0.150	0.150	05/28/2015	ND	5.04	84.0	6.00	3.69	
Total BTEX	<0.300	0.300	05/28/2015	ND					
Surrogate 4-Bromofluorobenzene (PIC	119 %	61-154	t.						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	05/28/2015	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/28/2015	ND	186	92.9	200	0.301	
DRO >C10-C28	464	50.0	05/28/2015	ND	203	102	200	0.397	
Surrogate: 1-Chlorooctane	93.6 9	6 47.2-15	7						
Surrogate: I-Chlorooctadecane	151 %	52.1-17	6						

### **Cardinal Laboratories**

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Celenz Thema

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



### **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 SM4500CI-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

Page 10 of 30

\*=Accredited Analyte

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**Cardinal Laboratories** 

Celey D. Keene, Lab Director/Quality Manager



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

Page 11 of 30

Jumples taken 20 minutes beford brought in hconder@rice-ecs.com; knorman@rice-ecs.com; jkamplain@rice-ecs.com; Iflores@rice-ecs.com; Iweinheimer@rice-ecs.com; cursanic@rice-ecs.com; @nce-ecs.com ANALYSIS REQUEST C Yes C No Add1 Phone#: C Yes C No Add1 Fax #: company: larry.baker@apachecorp.com SQT Complete Cations/Anions HqT ssxaT sedwards@rice-ecs.com **X**3T8 environmental tech: TPH 8015 M records and to read email results: Chlorides Phone Result: 1 by the court for the REMARKS: Fax Result: the by clark, its to be the first of the TIME 01:4 4:10 5.4.15 SAMPLING AND TO ALC REAL DATE CHECKED BY: 01 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 ON THE 505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020 З И time of time, or lease of prefer **ABHTO** PRESERV Property and Company: CE/COOL Address: Phone # P.O. #: State: SAB/GIDA Fax #: Attn: City: Sample Condition Cool Integration : ABHTO aponns ٦Ю MATRIX 1105 **Received By:** A B b b b **NASTEWATER** State: NM Zip: 88240 RETAWONUORD Fax #: 575-393-0293 \* CONTAINERS - (G)RAB OR (C)OMP. \$ 100 40 Project Owner: and related 10 34 4 @ 4 Fret 176 Project Manager: Bruce Baker / Kyle Norman Time: 0.0 Sample I.D. Pilp probjects. All channes including threat for wegitigence and any annulas. In the quart sheet Cardmini the lades for incommunity Y Sampler - UPS - Bus - Other: Delivered By: (Circle One) 200 HAU Sport V 6At Company Name: Apache Address: 419 W Cain Phone #: 575-393-2967 Relinquished By: Project Location: **Relinquished By** R PLEASE HOTE: Laber Sampler Name: H50/333 Project Name: A TWO ISSN GVT BOY city: Hobbs Lab I.D. Project #:

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

From:	Kyle Norman
To:	<u>"Lara Weinheimer"</u>
Subject:	FW: Apache Hawk B-3 #9 (1RP-3572) Addendum
Date:	Friday, July 24, 2015 1:39:17 PM

From: Jones, Kellie, EMNRD [mailto:Kellie.Jones@state.nm.us]
Sent: Friday, June 19, 2015 2:00 PM
To: Kyle Norman; Oberding, Tomas, EMNRD; Jeffery Robertson
Cc: 'Baker, Larry'
Subject: RE: Apache Hawk B-3 #9 (1RP-3572) Addendum

Kyle,

Page 12 of 30

OCD conditionally approves the addendum. Please ensure BLM approval/concurrence.

I look forward to receiving the final report.

Have a great day!

Kellie Jones Environmental Specialist, District I Oil Conservation Division, EMNRD (575) 393-6161 ext. 111 575-370-3180 (emergency-cell) E-Mail: <u>kellie.jones@state.nm.us</u>

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

Please note:

-The OCD is no longer granting "risk-based," or standard closure of events/RPs with remediation deferred to site abandonment/sale/closure. The RP will remain open until such time as historic contamination is addressed.

-Photographic documentation is stipulated for all events involving liquids.

If you have any questions or concerns, and for notification, please contact me.

From: Kyle Norman [<u>mailto:knorman@rice-ecs.com</u>] Sent: Monday, June 15, 2015 11:13 AM To: Oberding, Tomas, EMNRD; Jones, Kellie, EMNRD; Jeffery Robertson Cc: 'Baker, Larry' Subject: Apache Hawk B-3 #9 (1RP-3572) Addendum All,

Received by OCD: 1/5/2023 9:32:20 AM

Attached is the addendum to Hawk B-3 #9 (1RP-3572) for your review. We would like to move to closure. Let me know if you have any questions. Thanks

Kyle Norman Project Lead 419 W. Cain Hobbs NM 88240 Cell # (575)942-8542 Fax # (575)393-0293

From:	Kyle Norman
To:	"Lara Weinheimer"
Subject:	FW: Apache Hawk B-3 #9 (1RP-3572) Addendum
Date:	Friday, July 24, 2015 1:39:28 PM

From: Robertson, Jeffery [mailto:jlrobertson@blm.gov] Sent: Thursday, June 18, 2015 11:06 AM To: Kyle Norman Subject: Re: Apache Hawk B-3 #9 (1RP-3572) Addendum

This plan is approved as written by the Bureau of Land Management Carlsbad Field Office with the above listed conditions of approval. **This plan still needs to be approved by OCD**. BLM approval of this proposal does not relieve the operator of liability should their operations have failed to adequately investigate and re mediate contamination that may pose a threat to groundwater, surface water, human health, or the environment, or if the location fails to reclaim properly. In such an event that location does not re vegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws/regulations. Thanks

Jeffery L. Robertson

BLM-CFO Natural Resource Specialist Office: 575-234-2230 Cell: 575-706-1920 jlrobertson@blm.gov

On Mon, Jun 15, 2015 at 11:12 AM, Kyle Norman <<u>knorman@rice-ecs.com</u>> wrote: All,

Attached is the addendum to Hawk B-3 #9 (1RP-3572) for your review. We would like to move to closure. Let me know if you have any questions. Thanks

Kyle Norman Project Lead 419 W. Cain Hobbs NM 88240 Cell # (575)942-8542 Fax # (575)393-0293

Received by OCD: 1/5/2023 9:32:20 AM



August 05, 2015

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS, NM 88240

RE: HAWK B -3 #9

Enclosed are the results of analyses for samples received by the laboratory on 07/30/15 13:55.

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 <a href="https://www.tceq.texas.qov/field/ga/lab">www.tceq.texas.qov/field/ga/lab</a> accredited certif.html.

Cardinal Laboratories is accreditated 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,

Celeg D. Kune

Celey D. Keene Lab Director/Quality Manager

Page 1 of 7

# **CARDINAL** Laboratories

### PHONE (575) 393-2326 \* 101 E. MARLAND \* HOBBS, NM 88240

### Analytical Results For:

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

Received:	07/30/2015	Sampling Date:	07/30/2015
Reported:	08/05/2015	Sampling Type:	Soil
Project Name:	HAWK B-3 #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	HAWK B-3 #9		

### Sample ID: NORTH WALL (H501982-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2015	ND	1.92	96.2	2.00	0.311	
Toluene*	<0.050	0.050	08/04/2015	ND	1.95	97.4	2.00	0.357	
Ethylbenzene*	<0.050	0.050	08/04/2015	ND	2.10	105	2.00	0.478	
Total Xylenes*	<0.150	0.150	08/04/2015	ND	5.55	92.4	6.00	0.104	
Total BTEX	<0.300	0.300	08/04/2015	ND					
Surrogate 4-Bromofluorobenzene (PIC	109 9	6 85 6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	₿S	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/03/2015	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2015	NÐ	202	101	200	3.18	
DRO >C10-C28	<10.0	10.0	07/31/2015	ND	182	91.0	200	4.59	
Surrogate: 1-Chlorooctane	101 9	% 47.2-15	7			W171765			
Surrogate: 1-Chlorooctadecane	109 9	52.1-17	6						

### Cardinal Laboratories

PLEASE NOTE: Labbity and Damages. Cardinal's Babity and clent's exclusive remedy for any dawn ansang, whether based in contract or tort, shall be limited to the amount paid by clent for analyses. All tiarms, including those for negligence and any other cause whiteonew shall be deemed waved unless made in writing and received by clent, for analyses. In no event shall Cardinal be lable for incidential or consequential damages, including, without limitation, busies of uses of uses of profits encired by clent, it is abatitative, afflates or auccessors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based on any of the above stated reserves.

Calory & Kone

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



### Analytical Results For:

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

)15 Samplir	ng Date: 07/30/2015
)15 Sampiir	ng Type: Soil
3 -3 #9 Samplir	ag Condition: Cool & Intact
IVEN Sample	Received By: Judy Garcia
3-3 #9	
	15 Samplin -3 #9 Samplin VEN Sample

### Sample ID: WEST WALL (H501982-02)

BTEX 8021B	mg;	/kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2015	ND	1.92	96.2	2.00	0.311		
Toluene*	<0.050	0.050	08/04/2015	ND	1.95	97.4	2.00	0.357		
Ethylbenzene*	<0.050	0.050	08/04/2015	ND	2.10	105	2.00	0.478		
Total Xylenes*	<0.150	0.150	08/04/2015	ND	5.55	92.4	6.00	0.104		
Total BTEX	<0.300	0.300	08/04/2015	ND						
4										

Surrogate: 4-Bromofluorobenzene (PIC 109 % 85.6-137

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	08/03/2015	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2015	ND	202	101	200	3.18	
DRO >C10-C28	64.9	10.0	07/31/2015	ND	182	91.0	200	4.59	
Surrogate: I-Chlorooctane	103	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	110	% 52,1-17	6						

### **Cardinal Laboratories**

Received by OCD: 1/5/2023 9:32:20 AM

\*=Accredited Analyte

PLEASE NOTE: Liabley and Damages. Cardinal's habity and client's exclusive remarky for any dawn ansing, whether besed in concrect or tort, shall be lawied to the amount paid by client for analyses. All claims, including those for negligence and any other clues whitebower shall be deemed waved unless media in writing and received by client key and client's exclusive and client's exclusive and any other clause whitebower shall be deemed waved unless media in writing and received by client, its autocatants are completion of the applicable served. In no event shall Cardinal be habite for incidential or consequential damages, including, without interception, base of use, or loas of profits incurred by client, its autocatants, affiliates or successors areans areing out of or related to the performance of the serves hereworker by Cardinal, regardless of whether such claim is based upon any of the phose stated means or devices. Results relate only to the samples claimfield above. This reprocised encays in this with inflam sproval of Cardinal Liborations.

Celang Thomas

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: 07/	/30/2015	Sampling Date:	07/30/2015
Reported: 08/	/05/2015	Sampling Type:	Soil
Project Name: HA	WK B-3 #9	Sampling Condition:	Cool & Intact
Project Number: NO	NE GIVEN	Sample Received By:	Judy Garcia
Project Location: HA	WK B-3 #9		

### Sample ID: SOUTH WALL (H501982-03)

BTEX 80218	mg/	kg	Analyze	alyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2015	ND	1.92	96.2	2.00	0.311	
Toluene*	<0.050	0.050	08/04/2015	ND	1.95	97.4	2.00	0.357	
Ethylbenzene*	<0.050	0.050	08/04/2015	ND	2.10	105	2.00	0.478	
Total Xylenes*	<0.150	0.150	08/04/2015	ND	5.55	92.4	6.00	0.104	
Total BTEX	<0.300	0.300	08/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC 113 % 85.6-137

Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AP				<u>.</u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/03/2015	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	07/31/2015	ND	202	101	200	3.18	
DRO >C10-C28	35.9	10.0	07/31/2015	ND	182	91.0	200	4.59	
Surrogate: 1-Chlorooctane	Ш	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	120	% 52.1-17	6						

### Cardinal Laboratories

PLEASE MOTE: Uablity and Damages. Candinal's Mability and cleant's exclusive remady for any claim ansang, whether based in contract or tort, shall be limited to the amount paid by cleant for analyses. All claims, including those for negligence and any other cause whatsorver shall be deemed weived unless media in writing and neceword by Cardinal weithin thinhy (20) days shar completion of the applicable server. In no event shall be limited to the labels for incidencial or consequential damages, including, wethout limited in the server limit of the server by Cardinal, regardless of whether such dama is based upon any of the above stated research or Otherwaic. Results retaine only to the samples described above. This applicable server is not wet in all boretonice.

Celang B. Keene

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte

Page 4 of 7

Page 19 of 30

### PHONE (575) 393-2326 \* 101 E. MARLAND \* HOBBS, NM 88240

### Analytical Results For:

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

Received:	07/30/2015	Sampling Date:	07/30/2015
Reported:	08/05/2015	Sampling Type:	Soil
Project Name:	HAWK B-3 #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	HAWK B-3 #9		

### Sample ID: EAST SURFACE (H501982-04)

BTEX 8021B	mg;	/kg	Analyze	d By: MS		· · · ·					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	08/04/2015	ND	1.92	96.2	2.00	0.311			
Toluene*	<0.050	0.050	08/04/2015	ND	1.95	97.4	2.00	0.357			
Ethylbenzene*	<0.050	0.050	08/04/2015	ND	2.10	105	2.00	0.478			
Total Xylenes*	<0.150	0.150	08/04/2015	ND	5.55	92.4	6.00	0.104			
Total BTEX	<0.300	0.300	08/04/2015	ND							

Surrogate: 4-Bromofluorobenzene (PIE 113 % 85.6-137

Chloride, SM4500CI-B	mg;	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/03/2015	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/31/2015	ND	202	101	200	3.18	
DRO >C10-C28	<50.0	50.0	07/31/2015	ND	182	91.0	200	4.59	
Surrogate: 1-Chlorooctane	101	% 47.2-15	7						

Surrogate: 1-Chlorooctadecane 119% 52.1-176

### **Cardinal Laboratories**

PLEASE NOTE: Liablety and Damages. Cardinal's Bablety and severe exclusive remedy for any claim analog, whether based in contract or any other clause whistoorwer shall be deemed waived unless made in verting and received by Cardinal wetim (birty (30) days after con including, without Imitation, buaness interruptions, loss of use, or loss of profile incurred by Cardinal wetim (birty claim), dams based upon any of the shows stated researce or otherwess. Results inside only to the samplest leating had above. This report shall not be reproduced except in Released to Imaging: 1/5/2023 All claims, including those for and completion of the applicable service. In no tors arrang put of or related to the performa In no i reca This report shall not be reproduced except in Ail with written approval of Cardinal Labo

Callery & trance

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 7

\*=Accredited Analyte

9:44:29 AM

Page 20 of 30

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

### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
ala ale	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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

\*=Accredited Analyte

Released to Imaging: 1/5/2023 9:44:29 AM PLEASE NOTE: Liability and Damages. Cardinal's lability and clerk's actuative remety for any cleim arrang, whether based in contract or toxt, shall be limited to the amount plad by clerk for analyses. All any other cause whatsoever shall be deemed weved unless made in writing and vectored by Cardinal welfam titering (30) days after completion of the spokesible serves. In no event shall be lable including, white limitation, business intermiptions, loss of use, or loss of profils incurred by clerk, its subsidianes, siftiliates or successors arrang out of or instand to the performance of the services harmonder claim is based upon any of the above stated reasons or otherwese. Results related rest related has the services frameworkes. and ages, such Al claims, arclu for ider by Cardinal, regardless

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Celey D. Keene, Lab Director/Quality Manager

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Page 21 of 30

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

Company Name: Apacha

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 85240 2111 Beechwood, Abliene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 573-7001 FAX (325)673-7020 Apache

Page 7 of 7



August 26, 2015

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS, NM 88240

RE: HAWK B -3 #9

Enclosed are the results of analyses for samples received by the laboratory on 08/20/15 10:20.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Received by OCD: 1/5/2023 9:32:20 AM

Celuz D. Kune

Celey D. Keene Lab Director/Quality Manager

# Laboratories

### PHONE (575) 393-2326 \* 101 E. MARLAND \* HOBBS, NM 88240

### Analytical Results For:

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

Received:	08/20/2015	Sampling Date:	08/20/2015
Reported:	08/26/2015	Sampling Type:	Soil
Project Name:	HAWK B-3 #9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	HAWK B-3 #9		•

### Sample ID: SOUTH WALL (H502191-01)

Chloride, SM4SUOCI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2015	ND	432	108	400	7.69	

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\*=Accredited Analyte

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Cellery D. trana-

Celey D. Keene, Lab Director/Quality Manager

# **CARDINAL** Laboratories

Page 24 of 30

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

### **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.
ð	Chloride by SM4500CI-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** 

Received by OCD: 1/5/2023 9:32:20 AM

\*=Accredited Analyte

Page 3 of 4

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Celey D. Keene, Lab Director/Quality Manager

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Page 25 of 30

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**CARDINAL** Laboratories

Page 4 of 4

Apache Hawk B-3 # 9 Photo Page



Photo of Excavation



**Photo of Liner Installed** 

Page 26 of 30



Photo of Backfilling Excavation to 4 feet



Photo of Padding Excavation



Photo of Backfilling 4 Foot Liner



Photo of Site Complete

District I I625 N. French Dr., Hobbs, NM 88240 District II S. First St., Artesia, NM 88210 "Road, Aztec, NM 87 "nta Fe, NM 1000 Rio Brazos Road, Aztec, NM 87410 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.

Revised August 8, 2011

Form C-141

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

Santa Fe, NM 87505

# **Release Notification and Corrective Action**

	OPERATOR	Initial Report	🛛 Final Repor
Name of Company: Apache Corporation	Contact Bruce Baker		
Address: 2350 W Marland Blvd Hobbs, NM 88240	Telephone No. (432) 631-6982		
Facility Name Hawk B-3 # 9	Facility Type: Oil Well		

Surface Owner Farmer Raymond

Mineral Owner BLM

API No. 30-025-06501

## LOCATION OF RELEASE

Latitude N32.50517 Longitude W103.14773

### NATURE OF RELEASE

Type of Release: oil and produced water	volume of Release 26 barrels of oil 54 barrel of water	Volume Recovered 25 barrels of oil and 50 barrels of water
Source of Release: flow-line	Date and Hour of Occurrence	Date and Hour of Discovery
	2/16/2015	2/16/2015
Was Immediate Notice Given?	If YES, To Whom?	
🛛 Yes 🗌 No 🗌 Not Required	Dr. Oberding (NMOCD)	
By Whom? Bruce Baker	Date and Hour 2/17/2015 via email	
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse.
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.*		
The flow line ruptured. The well was shut in and a vacuum truck was dis	spatched to pick-up standing fluid. The	e flow line was repaired
Describe Area Affected and Cleanup Action Taken.* The entire release v delineated and a corrective action plan was submitted to NMOCD and Bl backfilled with blended material to a depth of 4 feet and place a second bi April 1, 2015 the site was seeded with a blend of native vegetation. Apar plan and respectively request termination.	LM on 6/15/2015. The plan stated that iner at 4 feet and backfill the excavation che Corporation has completed in acco	a liner be installed at a depth of 22 feet and n and contour to the surrounding area. On rdance with the approved corrective action
I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release a public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remedia or the environment. In addition, NMOCD acceptance of a C-141 report of federal, state, or local laws and/or regulations.	notifications and perform corrective act he NMOCD marked as "Final Report" of the contamination that pose a threat to g does not relieve the operator of respons	ions for releases which may endanger loes not relieve the operator of liability round water, surface water, human health
Signature: Bruce Baher	OIL CONSERV	ibility for compliance with any other 67.747 <u>ATION DIVISION</u> 65.747 65.777 65.777 65.777 65.777 65.777 65.777 65.777 65.7777 65.7777 65.7777 65.7777 65.7777 65.77777 65.777777 65.777777777777777777777777777777777777

Signature: Bruce Baker		OIL CONSERVATION DIVISION	
Printed Name: Bruce Baker	Approved by Environmental Special	ist: Ashley Maxwell	
Title: Environmental Technician	Approval Date: 1/05/2023	Expiration Date:	
E-mail Address: larry.baker@apachecorp.com Date: 11/28/2016 Phone: (432) 631-69	Conditions of Approval:	Attached	

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

# **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
APACHE CORPORATION	873
303 Veterans Airpark Ln	Action Number:
Midland, TX 79705	172877
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

### CONDITIONS

Created By		Condition Date
amaxwell	None	1/5/2023

Page 30 of 30

Action 172877