



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 15th, 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;

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

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: Hawk B-3 # 9	Facility Type: Oil Well

Surface Owner: Farmer Raymond	Mineral Owner: BLM	API #: 30-025-06501
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LOCATION OF RELEASE

Unit Letter R	Section 3	Township 21S	Range 37E	Feet from the 1650'	North/South Line FSL	Feet from the 1650'	East/West Line FEL	County Lea
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Latitude N32.50517 Longitude W103.14773

NATURE OF RELEASE

Type of Release: oil and produced water	Volume of Release: 26 barrels of oil and 54 barrels of water	Volume Recovered: 25 barrels of oil and 50 barrels of water
Source of Release: Flow line	Date and Hour of Occurrence: 2/16/2015	Date and Hour of Discovery: 2/16/2015
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Dr. Oberding (NMOCD)	
By Whom? Bruce Baker	Date and Hour: 2/17/2015 via email	
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.*		
<div style="border: 1px solid black; padding: 5px; text-align: center;">RECEIVED By OCD; Dr. Oberding at 3:04 pm, Mar 23, 2015</div>		

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.

Signature: <i>Bruce Baker</i>		OIL CONSERVATION DIVISION	
Printed Name: Bruce Baker		Approved by Environmental Specialist: <i>[Signature]</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 as per NMOCD guides.	
Date: 3/23/2015	Phone: (432) 631-6982	Attached <input type="checkbox"/> 1RP-3572 873	

* Attach Additional Sheets If Necessary

nTO1508254498

pTO1508254870



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

June 15th, 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:

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

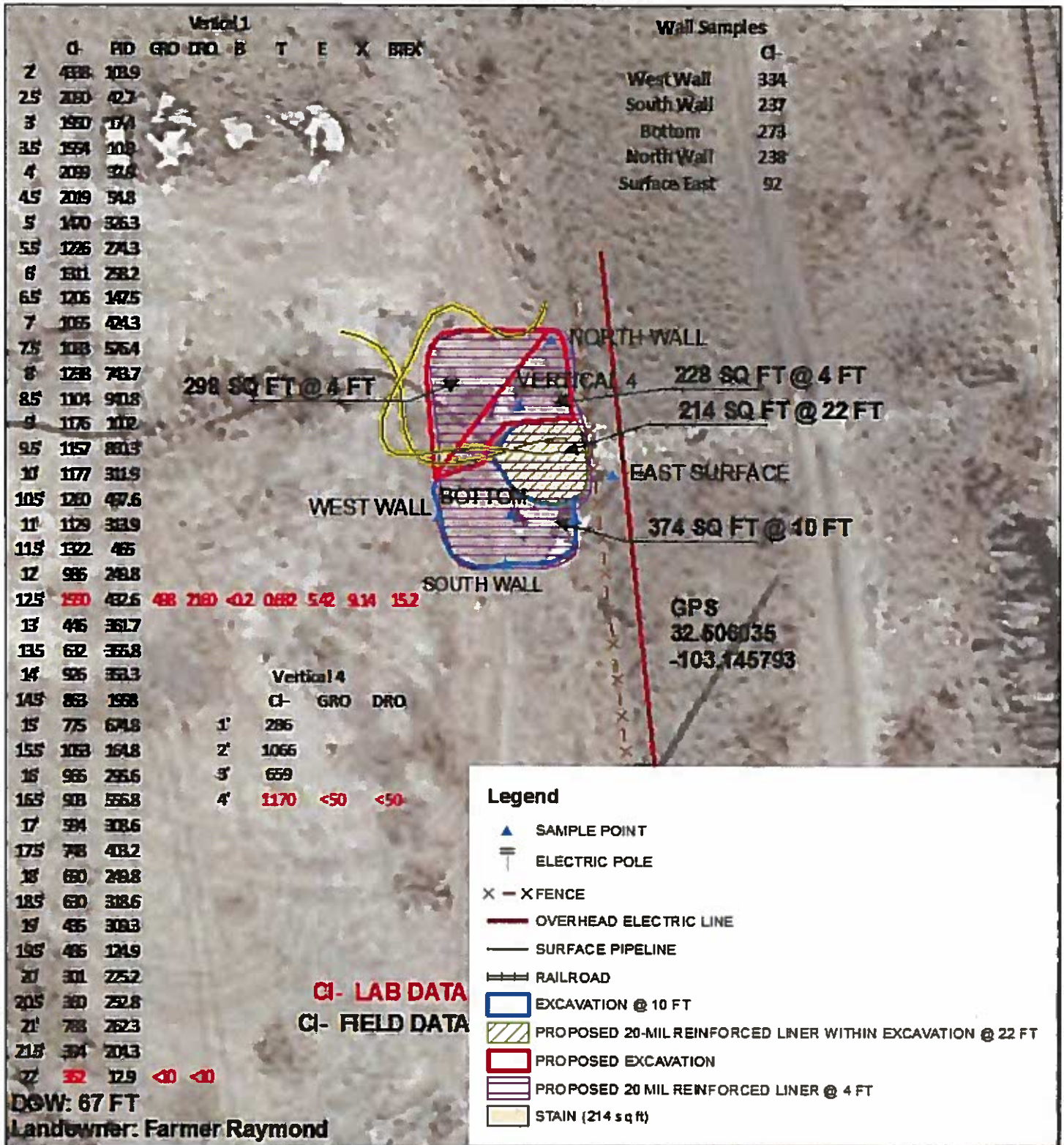
RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,

A handwritten signature in dark ink, appearing to read 'L. Weinheimer', with a long, horizontal, slightly wavy line extending to the right.

Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Vertical Data



APACHE
HAWK B-3 #9
NMOCD Case #: 1RP-3572
LEGALS: UL/ Q SEC. 3
T-21-S R-37-E
LEA COUNTY, NM

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

0 10 20
Feet

Drawing date: 5/29/15, 6/1 & 9/15
Drafted by: L. Weinheimer, T. Grieco





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

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 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,

Caley D. Keene

Lab Director/Quality Manager



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: 05/27/2015
Reported: 05/28/2015
Project Name: HAWK B -3 #9
Project Number: NONE GIVEN
Project Location: HAWK B-3 #9

Sampling Date: 05/27/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% 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	50.0	05/28/2015	ND	203	102	200	0.397		
Surrogate: 1-Chlorooctane	93.6 %	47.2-157								
Surrogate: 1-Chlorooctadecane	134 %	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

Celey D. Keene, Lab Director/Quality Manager



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: 05/27/2015
Reported: 05/28/2015
Project Name: HAWK B -3 #9
Project Number: NONE GIVEN
Project Location: HAWK B-3 #9

Sampling Date: 05/27/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SPOIL PILE (H501332-02)

BTEX 80218		mg/kg		Analyzed 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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	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	464	50.0	05/28/2015	ND	203	102	200	0.397	

Surrogate 1-Chlorooctane 93.6 % 47.2-157

Surrogate 1-Chlorooctadecane 151 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

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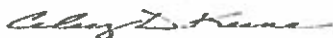
Celey D. Keene, Lab Director/Quality Manager

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) 293-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

Company Name: Apache		BILL TO		ANALYSIS REQUEST											
Project Manager: Bruce Baker / Kyle Norman		P.O. #:		Chlorides		TPH 8015 M		BTX		Texas TPH		Complete Cations/Anions		TDS	
Address: 419 W Cain		Attn:		PRESERV		SAMPLING									
City: Hobbs		State: NM Zip: 88240		MATRIX											
Phone #: 575-393-2967		Fax #: 575-393-0293		GROUNDWATER		WASTEWATER		OIL		SLUDGE		ACID/BASE		CE/COOL	
Project #: _____		Project Owner: _____		# CONTAINERS				OTHER:		OTHER:					
Project Name: _____				(G)RAB OR (C)OMP.											
Project Location: HAWK B-3 #9				Sample I.D.											
Sampler Name: _____				FOR LAB USE ONLY											
Lab I.D. H501382		1 VENT 4 @ 4 Foot		DATE		TIME									
2 SPOIL Pile				5-27-15 4:10		5-27-15 4:15									

PLEASE NOTE: Liability and Damages. Customer's liability and claims (including liability for any claim arising from sampling or testing) shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Catalyst within 30 days after completion of the applicable services. In no event shall Catalyst be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries or successors arising out of or relating to the performance of services hereunder by Catalyst, regardless of whether such claim is based upon any of the above stated theories or otherwise.

Relinquished By: <i>NB will</i>		Received By: <i>Andy P</i>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #: _____	
Relinquished By: _____		Received By: _____		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #: _____	
REMARKS: <i>Sample taken 20 minutes before</i> email results: hconder@nice-ecs.com; knorman@nice-ecs.com; jkamlain@nice-ecs.com; lflores@nice-ecs.com; lweinheimer@nice-ecs.com; cursanic@nice-ecs.com; sedwards@nice-ecs.com environmental tech: larry.baker@apachecorp.com company: @nice-ecs.com							

Delivered By: (Circle One) *24.60c*

Sampler - UPS - Bus - Other: _____

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

125#

From: [Kyle Norman](#)
To: "Lara Weinheimer"
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,

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 1
Oil Conservation Division, EMNRD
(575) 393-6161 ext. 111
575-370-3180 (emergency-cell)
E-Mail: kellie.jones@state.nm.us

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 [<mailto:knorman@rice-ecs.com>]
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,

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 <knorman@rice-ecs.com> 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



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

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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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
Reported: 08/05/2015
Project Name: HAWK B-3 #9
Project Number: NONE GIVEN
Project Location: HAWK B-3 #9

Sampling Date: 07/30/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: NORTH WALL (H501982-01)**BTEX 80218****mg/kg****Analyzed 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 % 85.6-137

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	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	<10.0	10.0	07/31/2015	ND	182	91.0	200	4.59	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 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



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
Reported: 08/05/2015
Project Name: HAWK B -3 #9
Project Number: NONE GIVEN
Project Location: HAWK B-3 #9

Sampling Date: 07/30/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: WEST WALL (H501982-02)**BTEX 80218**

mg/kg

Analyzed 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 % 85.6-137

Chloride, SM4500Cl-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

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	64.9	10.0	07/31/2015	ND	182	91.0	200	4.59	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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* = Accredited Analyte

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Analytical Results For:

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

Received: 07/30/2015
Reported: 08/05/2015
Project Name: HAWK B -3 #9
Project Number: NONE GIVEN
Project Location: HAWK B-3 #9

Sampling Date: 07/30/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SOUTH WALL (H501982-03)**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	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, SM4500Cl-B****mg/kg****Analyzed By: AP**

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 111 % 47.2-157*Surrogate: 1-Chlorooctadecane* 120 % 52.1-176

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Analytical Results For:

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

Received: 07/30/2015
Reported: 08/05/2015
Project Name: HAWK B-3 #9
Project Number: NONE GIVEN
Project Location: HAWK B-3 #9

Sampling Date: 07/30/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: EAST SURFACE (H501982-04)**BTEX 80218**

mg/kg

Analyzed 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, 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	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	<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 % 47.2-157

Surrogate: 1-Chlorooctadecane 119 % 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 Maryland, 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]

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↑ Cardinal cannot accept verbal changes. Please fax written changes to 505-393-1476



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

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 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,

Caley D. Keene

Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/20/2015
Reported: 08/26/2015
Project Name: HAWK B -3 #9
Project Number: NONE GIVEN
Project Location: HAWK B-3 #9

Sampling Date: 08/20/2015
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Judy Garcia

Sample ID: SOUTH WALL (H502191-01)

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	08/21/2015	ND	432	108	400	7.69	

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	Samples reported on an as received basis (wet) unless otherwise noted on report

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(676) 393-2328 FAX (676) 393-2476

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Apache Hawk B-3 # 9 Photo Page



Photo of Excavation



Photo of Liner Installed



Photo of Backfilling Excavation to 4 feet



Photo of Padding Excavation



Photo of Backfilling 4 Foot Liner



Photo of Site Complete

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 Hawk B-3 # 9	Facility Type: Oil Well

Surface Owner Farmer Raymond	Mineral Owner BLM	API No. 30-025-06501
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LOCATION OF RELEASE

Unit Letter R	Section 3	Township 21S	Range 37E	Feet from the 1650'	North/South Line FSL	Feet from the 1650'	East/West Line FEL	County Lea
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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 2/16/2015	Date and Hour of Discovery 2/16/2015
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Dr. Oberding (NMOCD)	
By Whom? Bruce Baker	Date and Hour 2/17/2015 via email	
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.*

The flow line ruptured. The well was shut in and a vacuum truck was dispatched to pick-up standing fluid. The flow line was repaired

Describe Area Affected and Cleanup Action Taken.* The entire release was contained inside a 20'X20'X3' bell hole in the pasture. The site was delineated and a corrective action plan was submitted to NMOCD and BLM on 6/15/2015. The plan stated that a liner be installed at a depth of 22 feet and backfilled with blended material to a depth of 4 feet and place a second liner at 4 feet and backfill the excavation and contour to the surrounding area. On April 1, 2015 the site was seeded with a blend of native vegetation. Apache Corporation has completed in accordance with the approved corrective action plan and respectively request termination.

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.

OIL CONSERVATION DIVISION

Signature: <u>Bruce Baker</u>	Approved by Environmental Specialist:	
Printed Name: Bruce Baker		
Title: Environmental Technician	Approval Date:	Expiration Date:
E-mail Address: larry.baker@apachecorp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 11/28/2016 Phone: (432) 631-6982		