303 Veterans Airpark Lane Midland, TX 79705

Remediation Plan

January 26, 2021

Re: Hawk A # 17
Case # NRM2032829991

Background:

On 10/28/2020 a release occurred due a flow line separated from a fusion point near the poly to steel transition. The release (GPS: 32.49802, -103.18776) is located north of Eunice, New Mexico in unit letter C section 8 township 21S range 37E. A groundwater survey was conducted utilizing NMOSE wells of record. The nearest well's drillers log suggest that groundwater is greater than 100 feet below ground surface.

On 1/18/2021 delineation was conducted utilizing a backhoe. Samples were collected in regular intervals and all samples were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory results were above TPH levels for releases greater than 100 feet to groundwater at the surface at SP 3-6. On 1/21/2021 SP 3-6 were advanced to a depth of 1 foot and all samples were submitted to a commercial laboratory for analysis of TPH, and BTEX.

Remediation Plan:

Apache Corporation proposes that the pasture area around SP 1 and SP 2 be excavated to a depth of 4 feet. The areas at SP 3-6 be excavated to a depth of 6 inches to 1 foot. Once excavation is complete final 5 point bottom and wall composite samples will be collected not to exceed 500 square feet and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Once laboratory analysis results are below table one standards for releases greater than 100 feet to groundwater and reclamation standards for the pasture. All excavated soil (130 yards) will be hauled to an OCD approved disposal facility. The pad area will be backfilled with clean imported caliche and the pasture area will be backfilled with clean imported topsoil. The pasture will be reseeded to private surface landowner recommendations. The remediation will be completed within 90 days of OCD approval of the plan.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, Laboratory Results, and Field Notes.

Submitted by;

Bruce Baker

Environmental Technician
larry.baker@apachecorp.com
Cell# 432-631-6982

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	117 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☑ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☑ Data table of soil contaminant concentration data
- ☑ Depth to water determination
- ☑ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☑ Boring or excavation logs
- ☑ Photographs including date and GIS information
- ☑ Topographic/Aerial maps
- ☑ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Larry Baker Title: Environmental Tech SR.

Signature: Larry Baker Date: 1/28/2021

email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☑ Detailed description of proposed remediation technique
- ☑ Scaled sitemap with GPS coordinates showing delineation points
- ☑ Estimated volume of material to be remediated
- ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Larry Baker Title: Environmental Tech SR.

Signature: Larry Baker Date: 1/28/2021

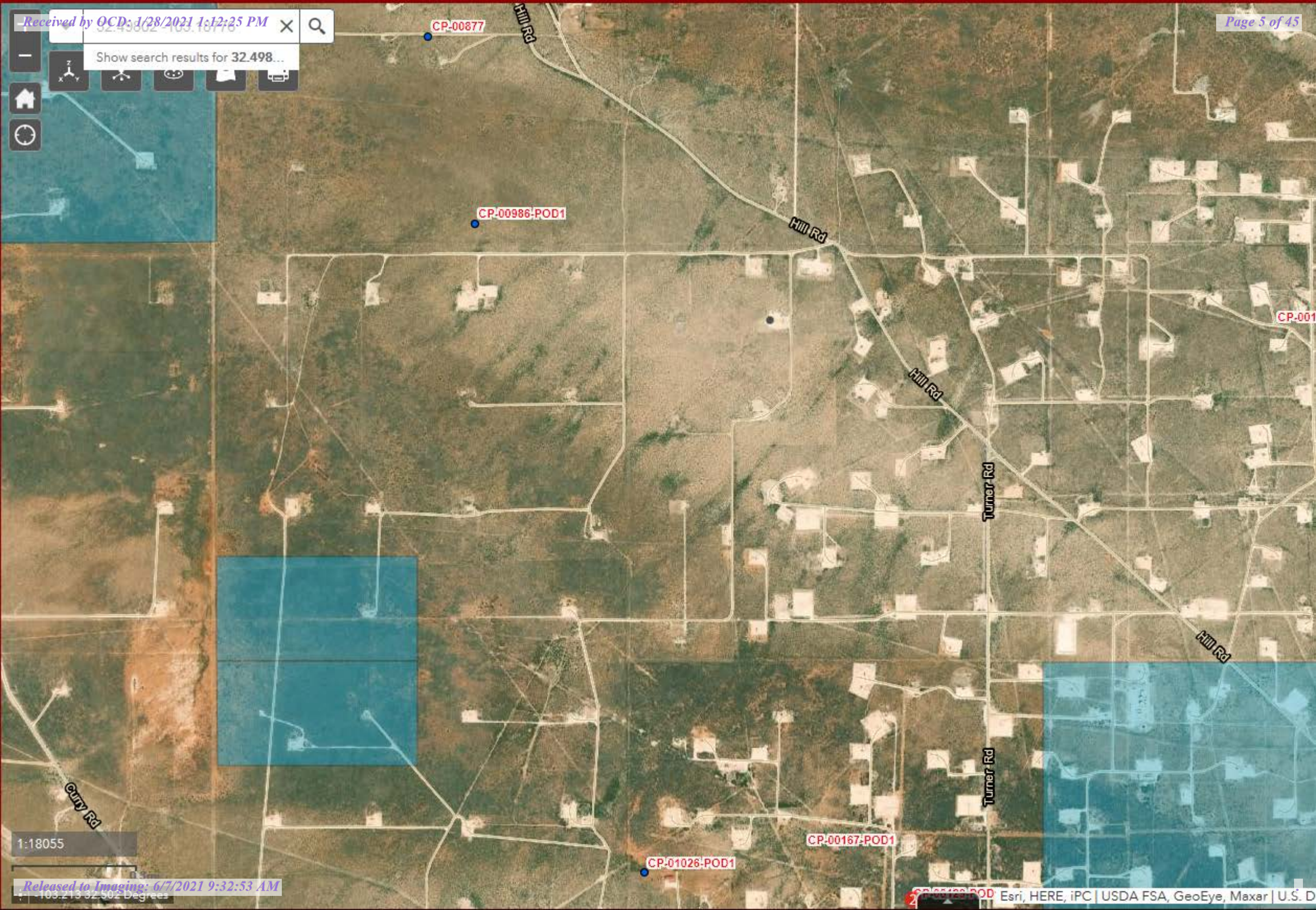
email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____


Show search results for 32.498...
CP-00877
Hill Rd
CP-00986-POD1
Hill Rd
CP-001
Hill Rd
Turner Rd
Hill Rd
Turner Rd
Curry Rd
CP-00167-POD1
CP-01026-POD1
1:18055
Esri, HERE, iPC | USDA FSA, GeoEye, Maxar | U.S. D

OSE FILE NUMBER _____

For OSE Use Only
Robert McCasland

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD and DRILLING LOG

6. RECORD OF CASING

Diameter (inches)	Pounds (per ft.)	Threads (per inch)	Depth (feet)	Length Top to Bottom (feet)	Type of Shoe	Perforations (from to)
5.75	160 psi			154		114 to 154

7. RECORD OF MUDDING AND CEMENTING

Depth (feet)	Hole (diameter)	Mud Used (# of sacks)	Cement (cubic feet)	Method of Placement

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2008 OCT -8 P 1:36

Do Not Write Below This Line

Trn Number: _____ File Number: _____

Form: wr-20 May 07

OSE FILE NUMBER _____

For OSE Use Only
Robert McCasland

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

8. LOG OF HOLE. For Each Water Bearing Strata, Estimate The Yield Of The Formation In Gallons Per Minute.

Depth (feet)		Thickness (Feet)	For Water Bearing Strata Enter The Estimated Yield in GPM	Color and Type of Material Encountered
From	To			
0	2	2		Top Soil
2	13	11		Sandy Clay
13	22	9		Caliche & Sand
22	47	25		Sand & Sandstone Stringers
47	85	38		Sand
85	117	32		Sand & Sandstone Stringers
117	137	20		Sand
137	152	15		Sand & Gravel
152	154	2		Red Clay

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2008 OCT -8 P 1: 36

Enter Method Used To Estimate Yield: _____

Do Not Write Below This Line

Trn Number: _____ File Number: _____

OSE FILE NUMBER _____

For OSE Use Only
Robert McCasland

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. ADDITIONAL STATEMENTS OR EXPLANATIONS:

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2008 OCT -8 P 1:36

The undersigned hereby certifies that, to the best of his or her knowledge and belief, the foregoing is a true and correct record of the above described bore hole. The undersigned further certifies that he or she will file this well record with the Office Of The State Engineer and permit holder within 20 days after completion of the well drilling.

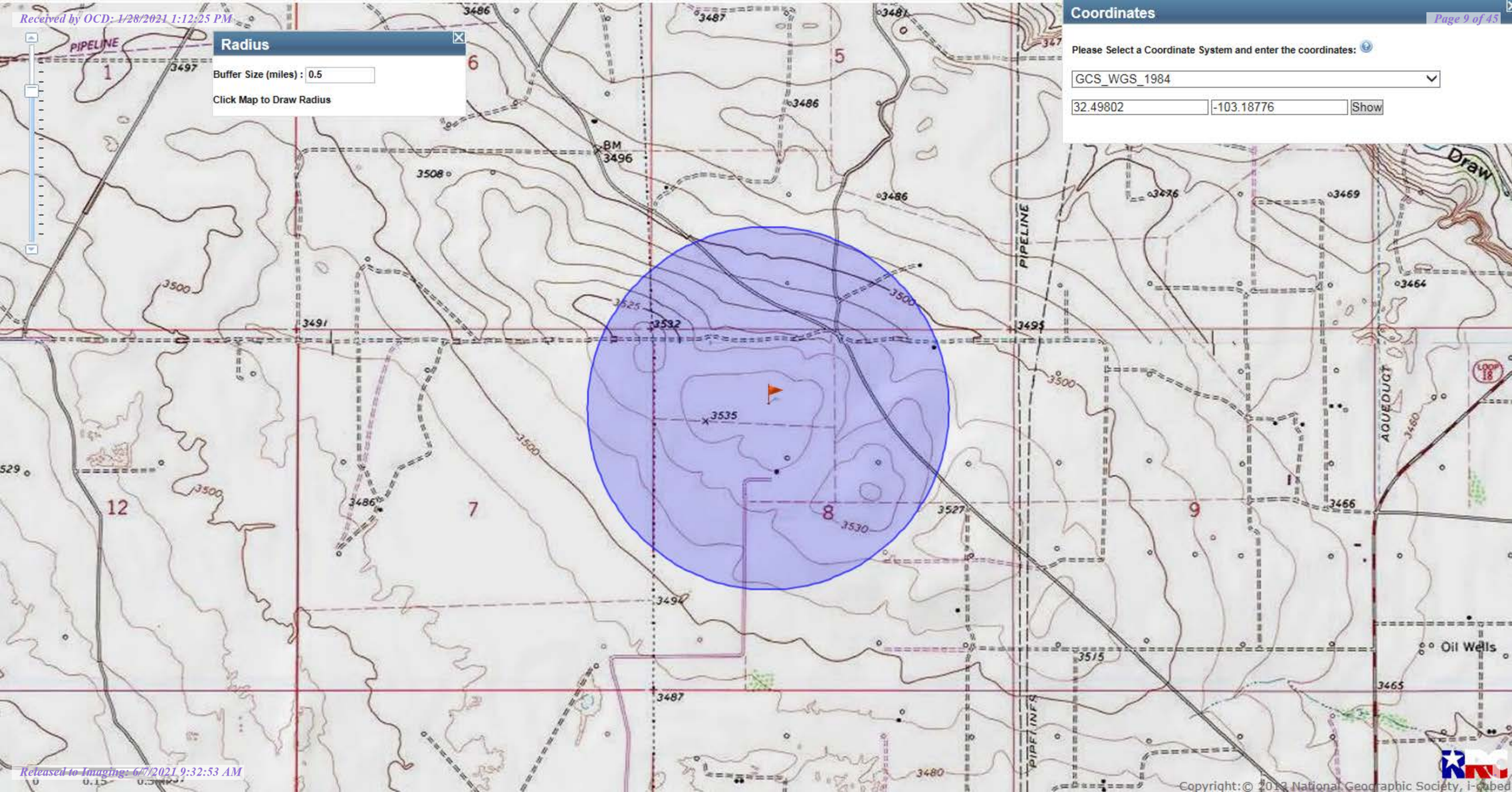
Alan Eades by Andrew Eades
Driller

9/29/2008
(mm/dd/year)

Do Not Write Below This Line

Trn Number: _____ File Number: _____

Received by OCD: 1/28/2021 1:12:25 PM



Copyright: © 2013 National Geographic Society, i-cubed

Released to Imaging: 6/7/2021 9:32:53 AM

SW3
SP7
SP 6
SP5
SP4
SW4
SP3
SP 2
SW2
SP 1
SW1
Hawk A 17
© 2020 Google
Google Earth
75 ft
1997
Imagery Date: 2/20/2019 lat 32.498747° lon -103.188791° elev 3538 ft eye alt 3882 ft

Released to Imaging: 6/7/2021 9:32:53 AM

Delineation Samples

Sample Date	Sample ID	Depth	Chloride Lab	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
1/18/2021	SP 1	S	3320	<0.050	<0.050	<0.050	<0.150	<0.300	72	14100	3070	32.49798, -103.18791
		2'	688	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	68	14	
		4'	592	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
1/18/2021	SP 2	S	1360	<0.050	<0.050	<0.050	<0.150	<0.300	18.9	9730	1830	32.49813, -103.18790
		2'	1560	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.6	<10.0	
		4'	672	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
1/18/2021	SP 3	S	560	<0.050	<0.050	0.05	0.41	0.470	64.9	11700	2690	32.49830, -103.18788
1/21/2021		1'		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
1/18/2021	SP 4	S	240	<0.050	<0.050	0.736	3.92	4.690	345	21000	4870	32.49843, -103.18780
1/21/2021		1'		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
1/18/2021	SP 5	S	400	<0.050	<0.050	<0.050	0.197	<0.300	79.6	19000	3970	32.49855, -103.18774
1/21/2021		1'		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
1/18/2021	SP 6	S	64	<0.050	<0.050	0.112	0.882	1.00	182	18800	3920	32.49865, -103.18770
1/21/2021		1'		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
1/18/2021	SP 7	S	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.4	<10.0	32.49877, -103.18761
1/18/2021	SW1	S	304	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	170	<10.0	32.49791, -103.18786
1/22/2021		S		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
1/18/2021	SW2	S	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.49802, -103.18796
1/18/2021	SW3	S	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.49880, -103.18763
1/18/2020	SW4	S	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.49841, -103.18780

CARDINAL Laboratories

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

January 19, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: HAWK

Enclosed are the results of analyses for samples received by the laboratory on 01/18/21 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 3 - SURFACE (H210111-01)

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	01/19/2021	ND	2.08	104	2.00	1.20	
Toluene*	<0.050	0.050	01/19/2021	ND	2.08	104	2.00	1.19	
Ethylbenzene*	**0.050**	0.050	01/19/2021	ND	2.01	101	2.00	1.63	
Total Xylenes*	**0.410**	0.150	01/19/2021	ND	5.90	98.4	6.00	1.55	
Total BTEX	**0.470**	0.300	01/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	01/19/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**64.9**	50.0	01/19/2021	ND	247	124	200	2.57	
DRO >C10-C28*	**11700**	50.0	01/19/2021	ND	244	122	200	4.26	
EXT DRO >C28-C36	**2690**	50.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane *126 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *430 %* *42.2-156*

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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 4 - SURFACE (H210111-02)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2021	ND	2.08	104	2.00	1.20	
Toluene*	<0.050	0.050	01/19/2021	ND	2.08	104	2.00	1.19	
Ethylbenzene*	**0.736**	0.050	01/19/2021	ND	2.01	101	2.00	1.63	
Total Xylenes*	**3.92**	0.150	01/19/2021	ND	5.90	98.4	6.00	1.55	
Total BTEX	**4.69**	0.300	01/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *196 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	01/19/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**345**	50.0	01/19/2021	ND	247	124	200	2.57	
DRO >C10-C28*	**21000**	50.0	01/19/2021	ND	244	122	200	4.26	
EXT DRO >C28-C36	**4870**	50.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane *171 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *712 %* *42.2-156*

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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 5 - SURFACE (H210111-03)

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	01/19/2021	ND	2.08	104	2.00	1.20	
Toluene*	<0.050	0.050	01/19/2021	ND	2.08	104	2.00	1.19	
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.01	101	2.00	1.63	
Total Xylenes*	**0.197**	0.150	01/19/2021	ND	5.90	98.4	6.00	1.55	
Total BTEX	<0.300	0.300	01/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	01/19/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**79.6**	50.0	01/19/2021	ND	247	124	200	2.57	
DRO >C10-C28*	**19000**	50.0	01/19/2021	ND	244	122	200	4.26	
EXT DRO >C28-C36	**3970**	50.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane *141 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *651 %* *42.2-156*

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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 6 - SURFACE (H210111-04)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2021	ND	2.08	104	2.00	1.20	
Toluene*	<0.050	0.050	01/19/2021	ND	2.08	104	2.00	1.19	
Ethylbenzene*	**0.112**	0.050	01/19/2021	ND	2.01	101	2.00	1.63	
Total Xylenes*	**0.882**	0.150	01/19/2021	ND	5.90	98.4	6.00	1.55	
Total BTEX	**1.00**	0.300	01/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *157 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/19/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**182**	50.0	01/19/2021	ND	247	124	200	2.57	
DRO >C10-C28*	**18800**	50.0	01/19/2021	ND	244	122	200	4.26	
EXT DRO >C28-C36	**3920**	50.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane *159 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *643 %* *42.2-156*

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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 7 - SURFACE (H210111-05)

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	01/19/2021	ND	2.08	104	2.00	1.20	
Toluene*	<0.050	0.050	01/19/2021	ND	2.08	104	2.00	1.19	
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.01	101	2.00	1.63	
Total Xylenes*	<0.150	0.150	01/19/2021	ND	5.90	98.4	6.00	1.55	
Total BTEX	<0.300	0.300	01/19/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/19/2021	ND	416	104	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	01/19/2021	ND	247	124	200	2.57	
DRO >C10-C28*	**12.4**	10.0	01/19/2021	ND	244	122	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane *94.0 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *94.6 %* *42.2-156*

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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Rush

Company Name:	Apache Corperation	**BILL TO**	
Project Manager:	Bruce Baker	P.O. #:	
Address:	2350 W. Marland BLVD	Company:	Apache
City:	Hobbs State: NM Zip: 88240	Attn:	Bruce Baker
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:	Hawk A #17	State: Zip:	
Project Location:	Eunice NM	Phone #:	
Sampler Name:	Juan Talavera	Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	BTEX	Ext - TPH
H210111																	
1	SP3 - surface	G	1			✓					✓		1-18	09:52			
2	SP4 - surface	G	1			✓					✓		1-18	10:27			
3	SP5 - surface	G	1			✓					✓		1-18	11:19			
4	SP6 - surface	G	1			✓					✓		1-18	11:36			
5	SP7 - surface	G	1			✓					✓		1-18	12:02			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 1/18/21 Time: 1630	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
			All Results are emailed. Please provide Email address:
Relinquished By:	Date: Time:	Received By:	REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.0 Corrected Temp. °C	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) TO	Turnaround Time: Standard ☐ Rush ☑ Thermometer ID #113 Correction Factor None

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.1 06/04/20

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 1/28/2021 1:12:25 PM

Released to Imaging: 6/7/2021 9:32:53 AM

CARDINAL Laboratories

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

January 21, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: HAWK

Enclosed are the results of analyses for samples received by the laboratory on 01/18/21 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 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,

Celey D. Keene

Lab Director/Quality Manager

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/21/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SP 1 - SURFACE (H210112-01)

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	01/20/2021	ND	2.09	104	2.00	2.10	
Toluene*	<0.050	0.050	01/20/2021	ND	2.12	106	2.00	0.228	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.343	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.41	107	6.00	0.382	
Total BTEX	<0.300	0.300	01/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3320**	16.0	01/20/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**72.0**	50.0	01/20/2021	ND	242	121	200	3.14	
DRO >C10-C28*	**14100**	50.0	01/20/2021	ND	246	123	200	2.05	
EXT DRO >C28-C36	**3070**	50.0	01/20/2021	ND					

Surrogate: 1-Chlorooctane *77.6 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *465 %* *42.2-156*

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

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/21/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SP 1 - 2' (H210112-02)

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	01/20/2021	ND	2.09	104	2.00	2.10	
Toluene*	<0.050	0.050	01/20/2021	ND	2.12	106	2.00	0.228	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.343	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.41	107	6.00	0.382	
Total BTEX	<0.300	0.300	01/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**688**	16.0	01/20/2021	ND	416	104	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	01/20/2021	ND	242	121	200	3.14	
DRO >C10-C28*	**68.0**	10.0	01/20/2021	ND	246	123	200	2.05	
EXT DRO >C28-C36	**14.0**	10.0	01/20/2021	ND					

Surrogate: 1-Chlorooctane *88.5 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *85.3 %* *42.2-156*

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

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/21/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SP 1 - 4' (H210112-03)

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	01/20/2021	ND	2.09	104	2.00	2.10	
Toluene*	<0.050	0.050	01/20/2021	ND	2.12	106	2.00	0.228	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.343	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.41	107	6.00	0.382	
Total BTEX	<0.300	0.300	01/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	01/20/2021	ND	416	104	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	01/20/2021	ND	242	121	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	246	123	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					

Surrogate: 1-Chlorooctane *87.5 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *82.0 %* *42.2-156*

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

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/21/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SP 2 - SURFACE (H210112-04)

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	01/20/2021	ND	2.09	104	2.00	2.10	
Toluene*	<0.050	0.050	01/20/2021	ND	2.12	106	2.00	0.228	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.343	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.41	107	6.00	0.382	
Total BTEX	<0.300	0.300	01/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.8 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1360**	16.0	01/20/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**18.9**	10.0	01/20/2021	ND	242	121	200	3.14	
DRO >C10-C28*	**9730**	10.0	01/20/2021	ND	246	123	200	2.05	
EXT DRO >C28-C36	**1830**	10.0	01/20/2021	ND					

Surrogate: 1-Chlorooctane *101 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *443 %* *42.2-156*

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

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/21/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SP 2 - 2' (H210112-05)

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	01/20/2021	ND	2.09	104	2.00	2.10	
Toluene*	<0.050	0.050	01/20/2021	ND	2.12	106	2.00	0.228	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.343	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.41	107	6.00	0.382	
Total BTEX	<0.300	0.300	01/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1560**	16.0	01/20/2021	ND	416	104	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	01/20/2021	ND	242	121	200	3.14	
DRO >C10-C28*	**17.6**	10.0	01/20/2021	ND	246	123	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					

Surrogate: 1-Chlorooctane *88.0 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *84.8 %* *42.2-156*

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

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/21/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SP 2 - 4' (H210112-06)

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	01/20/2021	ND	2.09	104	2.00	2.10	
Toluene*	<0.050	0.050	01/20/2021	ND	2.12	106	2.00	0.228	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.343	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.41	107	6.00	0.382	
Total BTEX	<0.300	0.300	01/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**672**	16.0	01/20/2021	ND	416	104	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	01/20/2021	ND	242	121	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	246	123	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					

Surrogate: 1-Chlorooctane *85.6 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *78.4 %* *42.2-156*

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

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/21/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SW 1 (H210112-07)

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	01/20/2021	ND	2.09	104	2.00	2.10	
Toluene*	<0.050	0.050	01/20/2021	ND	2.12	106	2.00	0.228	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.343	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.41	107	6.00	0.382	
Total BTEX	<0.300	0.300	01/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	01/20/2021	ND	416	104	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	01/20/2021	ND	242	121	200	3.14	
DRO >C10-C28*	**170**	10.0	01/20/2021	ND	246	123	200	2.05	
EXT DRO >C28-C36	**24.4**	10.0	01/20/2021	ND					

Surrogate: 1-Chlorooctane *85.7 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *79.6 %* *42.2-156*

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

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/21/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SW 2 (H210112-08)

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	01/20/2021	ND	2.09	104	2.00	2.10	
Toluene*	<0.050	0.050	01/20/2021	ND	2.12	106	2.00	0.228	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.343	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.41	107	6.00	0.382	
Total BTEX	<0.300	0.300	01/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/20/2021	ND	416	104	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	01/20/2021	ND	242	121	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	246	123	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					

Surrogate: 1-Chlorooctane *93.0 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *84.0 %* *42.2-156*

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

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/21/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SW 3 (H210112-09)

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	01/20/2021	ND	2.09	104	2.00	2.10	
Toluene*	<0.050	0.050	01/20/2021	ND	2.12	106	2.00	0.228	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.343	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.41	107	6.00	0.382	
Total BTEX	<0.300	0.300	01/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/20/2021	ND	416	104	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	01/20/2021	ND	242	121	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	246	123	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					

Surrogate: 1-Chlorooctane *86.9 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *76.1 %* *42.2-156*

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

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:	01/18/2021	Sampling Date:	01/18/2021
Reported:	01/21/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SW 4 (H210112-10)

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	01/20/2021	ND	2.09	104	2.00	2.10	
Toluene*	<0.050	0.050	01/20/2021	ND	2.12	106	2.00	0.228	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.343	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.41	107	6.00	0.382	
Total BTEX	<0.300	0.300	01/20/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/20/2021	ND	416	104	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	01/20/2021	ND	242	121	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	246	123	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					

Surrogate: 1-Chlorooctane *86.8 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *74.0 %* *42.2-156*

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

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		BILL TO	
Company Name:	Apache Corperation	P.O. #:	
Project Manager:	Bruce Baker	Company:	Apache
Address:	2350 W. Marland BLVD	Attn:	Bruce Baker
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:	Fax #:	City:	
Project #:	Project Owner:	State:	Zip:
Project Name:	Hawk A #17	Phone #:	
Project Location:	Eunice NM	Fax #:	
Sampler Name:	Juan Talavera		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	TIME	ANALYSIS REQUEST: Chloride	BTEX	Ext. TPH
H210112																	
1	SP1 - Surface	G	1			X					X		1-18	09:15	X	X	X
2	SP1 - 2'	G	1			X					X		1-18	09:20	X	X	X
3	SP1 - 4'	G	1			X					X		1-18	09:30	X	X	X
4	SP2 - Surface	G	1			X					X		1-18	09:36	X	X	X
5	SP2 - 2'	G	1			X					X		1-18	09:42	X	X	X
6	SP2 - 4'	G	1			X					X		1-18	09:50	X	X	X
7	SW1	C	1			X					X		1-18	02:10	X	X	X
8	SW2	C	1			X					X		1-18	02:25	X	X	X
9	SW3	G	1			X					X		1-18	02:35	X	X	X
10	SW4	C	1			X					X		1-18	02:41	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 1/18/21 Time: 16:30	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
			All Results are emailed. Please provide Email address:
Relinquished By:	Date: Time:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.0 Corrected Temp. °C	Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) JD
Turnaround Time:	Standard ☑ Rush ☐	Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	Observed Temp. °C Corrected Temp. °C
Thermometer ID #113 Correction Factor None			

FORM-006 R 3.1 06/04/20

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 1/28/2021 1:12:25 PM

Released to Imaging: 6/7/2021 9:32:53 AM

CARDINAL Laboratories

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

January 22, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: HAWK

Enclosed are the results of analyses for samples received by the laboratory on 01/21/21 11:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

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:	01/21/2021	Sampling Date:	01/21/2021
Reported:	01/22/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	** (See Notes)
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SP 3 - 1' (H210147-01)

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	01/21/2021	ND	2.07	103	2.00	1.11	QR-03
Toluene*	<0.050	0.050	01/21/2021	ND	2.04	102	2.00	1.68	QR-03
Ethylbenzene*	<0.050	0.050	01/21/2021	ND	2.00	99.8	2.00	1.57	QR-03
Total Xylenes*	<0.150	0.150	01/21/2021	ND	5.88	97.9	6.00	1.80	
Total BTEX	<0.300	0.300	01/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.6 %* *73.3-129*

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	01/21/2021	ND	215	108	200	2.79	QR-03
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	217	108	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					

Surrogate: 1-Chlorooctane *84.2 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *87.9 %* *42.2-156*

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

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:	01/21/2021	Sampling Date:	01/21/2021
Reported:	01/22/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	** (See Notes)
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SP 4 - 1' (H210147-02)

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	01/21/2021	ND	2.07	103	2.00	1.11	
Toluene*	<0.050	0.050	01/21/2021	ND	2.04	102	2.00	1.68	
Ethylbenzene*	<0.050	0.050	01/21/2021	ND	2.00	99.8	2.00	1.57	
Total Xylenes*	<0.150	0.150	01/21/2021	ND	5.88	97.9	6.00	1.80	
Total BTEX	<0.300	0.300	01/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *73.3-129*

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	01/21/2021	ND	215	108	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	217	108	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					

Surrogate: 1-Chlorooctane *89.0 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *93.4 %* *42.2-156*

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

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:	01/21/2021	Sampling Date:	01/21/2021
Reported:	01/22/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	** (See Notes)
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SP 5 - 1' (H210147-03)

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	01/21/2021	ND	2.07	103	2.00	1.11	
Toluene*	<0.050	0.050	01/21/2021	ND	2.04	102	2.00	1.68	
Ethylbenzene*	<0.050	0.050	01/21/2021	ND	2.00	99.8	2.00	1.57	
Total Xylenes*	<0.150	0.150	01/21/2021	ND	5.88	97.9	6.00	1.80	
Total BTEX	<0.300	0.300	01/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.5 %* *73.3-129*

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	01/21/2021	ND	215	108	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	217	108	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					

Surrogate: 1-Chlorooctane *87.9 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *92.4 %* *42.2-156*

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

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:	01/21/2021	Sampling Date:	01/21/2021
Reported:	01/22/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	** (See Notes)
Project Number:	HAWK A #17	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE, NM		

Sample ID: SP 6 - 1' (H210147-04)

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	01/21/2021	ND	2.07	103	2.00	1.11	
Toluene*	<0.050	0.050	01/21/2021	ND	2.04	102	2.00	1.68	
Ethylbenzene*	<0.050	0.050	01/21/2021	ND	2.00	99.8	2.00	1.57	
Total Xylenes*	<0.150	0.150	01/21/2021	ND	5.88	97.9	6.00	1.80	
Total BTEX	<0.300	0.300	01/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.8 %* *73.3-129*

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	01/21/2021	ND	215	108	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	217	108	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					

Surrogate: 1-Chlorooctane *87.2 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *91.8 %* *42.2-156*

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

CARDINAL Laboratories

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

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

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

Received by OCD: 1/28/2021 1:12:25 PM

Released to Imaging: 6/7/2021 9:32:53 AM

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Rush

		BILL TO	
Company Name:	Apache Corporation	P.O. #:	
Project Manager:	Bruce Baker	Company:	Apache
Address:	2350 W. Marland BLVD	Attn:	Bruce Baker
City:	Hobbs	State: NM Zip:	88240
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:	Hawk A #17	State: Zip:	
Project Location:	Eunice NM	Phone #:	
Sampler Name:	Juan Talavera	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	EXT-TPH
H210147																
1	SP3 - 1'	G	1			X					X		1-21	8:25	X	X
2	SP4 - 1'	G	1			X					X		1-21	8:40	X	X
3	SP5 - 1'	G	1			X					X		1-21	8:55	X	X
4	SP6 - 1'	G	1			X					X		1-21	9:10	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 1-21-21	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 11:20		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 8.5	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☑
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Yes ☑ Intact Yes ☐		Thermometer ID #113
		No ☐ No ☐		Correction Factor None

Bacteria (only) Sample Condition
Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

January 25, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: HAWK

Enclosed are the results of analyses for samples received by the laboratory on 01/22/21 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

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:	01/22/2021	Sampling Date:	01/22/2021
Reported:	01/25/2021	Sampling Type:	Soil
Project Name:	HAWK	Sampling Condition:	Cool & Intact
Project Number:	HAWK A- 17	Sample Received By:	Jodi Henson
Project Location:	EUNICE, NM		

Sample ID: SW 1 (H210162-01)

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	01/22/2021	ND	2.15	108	2.00	1.01	
Toluene*	<0.050	0.050	01/22/2021	ND	2.09	104	2.00	0.521	
Ethylbenzene*	<0.050	0.050	01/22/2021	ND	2.07	103	2.00	0.112	
Total Xylenes*	<0.150	0.150	01/22/2021	ND	6.05	101	6.00	0.160	
Total BTEX	<0.300	0.300	01/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *73.3-129*

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	01/23/2021	ND	190	95.2	200	15.6	
DRO >C10-C28*	<10.0	10.0	01/23/2021	ND	214	107	200	0.222	
EXT DRO >C28-C36	<10.0	10.0	01/23/2021	ND					

Surrogate: 1-Chlorooctane *87.0 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *96.0 %* *42.2-156*

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

CARDINAL Laboratories

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

Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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

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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Apache Corp
Project Manager:	Bruce Baker
Address:	
City:	State: Zip:
Phone #:	Fax #:
Project #:	Project Owner:
Project Name:	~~[redacted]~~ HAWK A-17
Project Location:	HAWK A-17
Sampler Name:	Jeff Brown

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State: Zip:	
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX	EXT. TPH
H210162																
1	SW 1					✓							1/22/21	1114	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Jeff Brown	Date: 1/22/21	Received By: Jodi Henson	
Relinquished By:	Time: 1:30	Received By:	
	Date:		
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 4.6°C / #113

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) JM

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: Rush Sample Please

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Received by OCD: 1/28/2021 1:12:25 PM

Released to Imaging: 6/7/2021 9:32:53 AM

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NRM2032829991
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☑ Detailed description of proposed remediation technique
- ☑ Scaled sitemap with GPS coordinates showing delineation points
- ☑ Estimated volume of material to be remediated
- ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Larry Baker Title: Environmental Tech SR.

Signature: Larry Baker Date: 1/28/2021

email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: Robert Hamlet Date: 6/7/2021

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Robert Hamlet Date: 6/7/2021

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

Action 16053

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 16053
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is approved with the following conditions: When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less. Please collect confirmation samples, representing no more than 200 ft2.	6/7/2021