

Remediation Plan

October 22, 2020

Re: EAU 121 Case # NRM2021222458

Background:

On 7/22/2020 a release occurred due to a corroded 2-inch valve resulting in the loss of oil and produced water. The release (GPS: 32.7724266, -104.2583466) is located east of Artesia, NM in unit letter P section 3 township 18S range 27E. A groundwater survey was conducted utilizing USGS and NMOSE wells of record. The nearest well is at an elevation of 3479 with depth of water being 33 feet. The release is at an elevation of 3510 feet. The difference between elevation suggests the groundwater depth below the release area is 64 feet. The release is in area of high karst.

On 9/30/2020 vertical delineation was conducted utilizing a backhoe. Samples were collected in one-foot intervals. SP 1 was advanced to a depth of 1 foot, SP 2 was advanced to a depth of 4 feet, SP3 was advanced to a depth of 2 feet. Surface horizontal 5-point composite samples not to exceed 200 square feet were collected. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. On 10/13/2020 SP 2 was taken to a depth of 7 feet and surface horizontal 5-point composite sample not exceeding 200 square feet was collected. All samples collected were submitted to a commercial laboratory for analysis of TPH. On 10/19/2020 a surface horizontal 5-point composite sample not exceeding 200 square feet as collected. This sample was taken to a commercial laboratory for analysis of TPH.

Remediation Plan:

Apache Corporation proposes that the area around SP 1 and SP 3 be excavated to a depth of 1 foot. The area around SP 2 be excavated to a depth of 6 feet. All excavated material (265 yards) will be hauled to an NMOCD approved facility. After the excavation is complete final 5-point bottom and wall composite samples will be collected not to exceed 200 square feet and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Once analytical data confirms that the excavation meet table 1 standards the excavation will be backfilled with clean imported caliche and sand the area restored. The remediation will be completed within 90 days of NMOCD approval of the plan.

Enclosed: C-141, Groundwater data, Maps, Sample Data, and Laboratory Results

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Environmental Technician Jeffrey.Broom@apachecorp.com *Cell# 432-664-4677 Off# 575-393-7106*

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Received by OCD: 10/23/2020 9:21:53 AM Form C-141 State of New Mexico

Oil Conservation Division

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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?	(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

Page 3

- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- \boxtimes 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.

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			Application ID	
regulations all operators are requ public health or the environment failed to adequately investigate a		ns and perform co oes not relieve the roundwater, surfa asibility for comp <u>I Technician</u>	prrective actions for rele e operator of liability sho ace water, human health	ases which may endanger ould their operations have or the environment. In
OCD Only				
Received by:		Date:		

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Oil Conservation Division

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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: Jeff Broom Title: Environmental Technician
Signature: Date: <u>10/22/2020</u>
email: <u>Jeffrey.Broom@apachecorp.com</u> Telephone: <u>432.664.4677</u>
OCD Only
Received by: Date:
Approved Approved with Attached Conditions of Approval Denied Deferral Approved
Signature: Date:





- Click to hide News Bulletins
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- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

• 324603104155001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324603104155001 18S.27E.10.213223

Available data for this site Groundwater: Field measurements

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°46'03", Longitude 104°15'50" NAD27 Land-surface elevation 3,479 feet above NAVD88 The depth of the well is 130 feet below land surface. This well is completed in the Artesia Group (313ARTS) local aquifer.

Table of data Tab-separated data Graph of data Reselect period



USGS 324603104155001 185,27E,10,213223

Breaks in the plot represent a gap of at least one year between field measurements. Download a presentation-quality graph

Released to Imaging: 2/16/2021 1:54:29 PM







						Delinea	tion Sample	S					
Sample	Sample ID	Depth	Chloride	Chloride	Benzene	Toulene	Ethybenz	Total	Total	GRO	DRO	EXT DRO	GPS
Date			Field	Lab			ene	Xylenes	BTEX				Coordinates
													32.77240
9/30/2020	SP 1	S	19,212	18,600	<0.050	<0.050	0.053	0.266	0.319	<10.0	7390	1780	-104.25843
9/30/2020		1'	145	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
													32.77236
9/30/2020	SP2	S	5858	8660	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	83.7	19	-104.25859
9/30/2020		1'	1098	944	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	82.5	20	
9/30/2020		2'	890	448	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
9/30/2020		3'	666	656	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.4	<10.0	
9/30/2020		4'	411	544	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	136	20.7	
10/13/2020		5'			<0.050	<0.050	0.116	0.777	0.893	28.2	1030	192	
10/13/2020		6'			<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	57.7	16.2	
10/13/2020		7'			<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.5	<10.0	
													32.77226
9/30/2020	SP3	S	239	96	<0.200	0.283	4.79	21.7	36.8	526	25500	4250	-104.25878
9/30/2020		1'	117	<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.2	<10.0	
9/30/2020		2'	89	<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	28.9	<10.0	
													32.77240
9/30/2020	HC1	S	287	32.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-104.25831
													32.77234
9/30/2020	HC2	S	118	48.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-104.25863
													32.77226
9/30/2020	HC3	S	119	32.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-104.25881
													32.772428
9/30/2020	HC4	S	411	384.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	267	141	-104.258642
10/13/2020	1				<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	225	178	
10/19/2020					<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	



October 05, 2020

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EAU M-121

Enclosed are the results of analyses for samples received by the laboratory on 09/30/20 14:15.

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/ga/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. Keine

Celey D. Keene Lab Director/Quality Manager



		BRUCE BA 2350 W. M HOBBS NM	1ARLAND BLVD. 1, 88240		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number:	EAU 121			Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM				

Sample ID: HC 1 (H002585-01)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
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	10/01/2020	ND	416	104	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*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	93.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.8	% 42.2-15	6						

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BAK	ARLAND BLVD.		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number:	EAU 121			Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM				

Sample ID: HC 2 (H002585-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/01/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	99.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.6	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BAK	RLAND BLVD.		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number: Project Location:	EAU 121 EDDY COUNTY, NM			Sample Received By:	Jodi Henson

Sample ID: HC 3 (H002585-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/01/2020	ND	416	104	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*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	92.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.6	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BAK	ARLAND BLVD.		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number:	EAU 121			Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM				

Sample ID: HC 4 (H002585-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/01/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	267	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	141	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	94.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	103 9	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		APACHE CO BRUCE BAKI 2350 W. MA HOBBS NM,	ER RLAND BLVD.		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number:	EAU 121			Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM				

Sample ID: SP 1 @ SURFACE (H002585-05)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	0.053	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	0.266	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	0.319	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18600	16.0	10/01/2020	ND	416	104	400	0.00	QM-07
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	7390	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	1780	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	95.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	375 9	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		APACHE CO BRUCE BAKI 2350 W. MA HOBBS NM,	Er Rland Blvd.		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number:	EAU 121			Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM				

Sample ID: SP 1 @ 1' (H002585-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/01/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	95.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.6	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		APACHE CO	DRP - HOBBS		
		BRUCE BAK	(ER		
		2350 W. M	ARLAND BLVD.		
		HOBBS NM	, 88240		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number:	EAU 121			Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM				

Sample ID: SP 2 @ SURFACE (H002585-07)

BTEX 8021B	mg/kg		Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/02/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	0.375	0.050	10/02/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	2.63	0.150	10/02/2020	ND	6.38	106	6.00	0.883	
Total BTEX	3.01	0.300	10/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	175 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660	16.0	10/01/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	215	50.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	31600	50.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	6660	50.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	170 \$	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	1210	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		APACHE CO BRUCE BAKI 2350 W. MA HOBBS NM,	Er Rland Blvd.		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number:	EAU 121			Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM				

Sample ID: SP 2 @ 1' (H002585-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	10/01/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	82.5	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	20.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	89.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.3	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		APACHE CO BRUCE BAKI 2350 W. MA HOBBS NM,	er Rland Blvd.		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number:	EAU 121			Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM				

Sample ID: SP 2 @ 2' (H002585-09)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/01/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	92.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		APACHE CO BRUCE BAKI 2350 W. MA HOBBS NM,	Er Rland Blvd.		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number:	EAU 121			Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM				

Sample ID: SP 2 @ 3' (H002585-10)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/01/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	47.4	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	97.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.1	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		APACHE CO BRUCE BAKI 2350 W. MA HOBBS NM,	Er Rland Blvd.		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number:	EAU 121			Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM				

Sample ID: SP 2 @ 4' (H002585-11)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	10/01/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	136	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	20.7	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	95.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.3	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		APACHE CO	RP - HOBBS		
		BRUCE BAK	ER		
		2350 W. MA	RLAND BLVD.		
		HOBBS NM,	88240		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number:	EAU 121			Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM				

Sample ID: SP 3 @ SURFACE (H002585-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	0.283	0.200	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	4.79	0.200	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	21.7	0.600	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	26.8	1.20	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	154 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/01/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	526	50.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	25500	50.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	4250	50.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	248 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	872 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		APACHE CO BRUCE BAKI 2350 W. MA HOBBS NM,	Er Rland Blvd.		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number:	EAU 121			Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM				

Sample ID: SP 3 @ 1' (H002585-13)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/01/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2020	ND	204	102	200	1.25	
DRO >C10-C28*	14.2	10.0	10/02/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	10/02/2020	ND					
Surrogate: 1-Chlorooctane	99.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.0	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		APACHE COL BRUCE BAKE 2350 W. MA HOBBS NM,	Er Rland Blvd.		
		Fax To:	(575) 393-2432		
Received:	09/30/2020			Sampling Date:	09/30/2020
Reported:	10/05/2020			Sampling Type:	Soil
Project Name:	EAU M-121			Sampling Condition:	Cool & Intact
Project Number:	EAU 121			Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM				

Sample ID: SP 3 @ 2' (H002585-14)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/01/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	28.9	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	86.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	apache Corporation		BILL TO		ANALYSIS
Project Manager:	Bruce Gate	P.O. Com	P.O. #: Company:		
City:	State:	Zip: Attn:	tn:		
Phone #:	Fax #:	Ad	Address:		
Project #:	Project Owner:	City:	ty:		
Project Name: EAU	121		State: Zip:		
Project Location: EAu	c 121	Ph	Phone #:		
0.1	mon	Fa	Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	LING	
Lab I.D.	Sample I.D.	B)RAB OR (C)OMP CONTAINERS ROUNDWATER /ASTEWATER OIL IL LUDGE THER :	CID/BASE: DE / COOL THER :	CL. BTEX	EXT. TPH
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S.	0 1'	6		0939 V V	<
1 502	@ Sutace	6		V V 4490	<
8 5P2	D 1'	/ 9		1000 J J	5
9 502	0 842'	1		1004 1 1	1
10 502		6 1	9/30/20	1022 1 1	2
PLEASE NOTE: Liability and Damages. analyses. All claims including those for i service. In no event shall Cardinal be lia	bility and clie d any other c ntal or consec	It's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the anfount paid by the client for the ause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the a juental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries	rt, shall be limited to the arriount paid eived by Cardinal within 30 days after of use, or loss of profits incurred by cli	by the client for the completion of the applicable ent, its subsidiaries,	
affiliates or successors arising out of or r Relinquished By:	ed By: Date: 5/30/200	Received By:	pased upoir any or the appression real	Verbal Result: Yes No Add'I Phone #: All Results are emailed. Please provide Email address:	.s □ No Add'l Phone #: Please provide Email addre
Jos Rows	Time:	Godi Mu	Non		
Relinquished By:	Date: Time:	Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Ot	ne) Observed Temp. °C Other: Corrected Temp. °C	1.9 Sample Condition Cool Intact	CHECKED BY:	Turnaround Time: Thermometer ID #113	Standard Bacteria (on Rush Cool Intact
FORM-008 R 3.1 00	5104/20 † Cardinal c	annot accept verbal chang	es. Please email chan	iges to celey.keene@	cardinallabsnm.co
FORM-000 R S. I 00	t Cardinal c	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	es. Please email chan	iges to celey.keene@	cardinallabsnm.co

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Received by	<i>OCD</i> :	10/23/2020	9:21:53 AM
-------------	--------------	------------	------------

Company Name:	ante provention		BILL TO	•	A	ANALYSIS REQUEST	
Project Manager: Bruce Ba	ten		P.O. #:				
Address:			Company:				
City:	State: Z	Zip:	Attn:				
Phone #:	Fax #:		Address:				
Project #:	Project Owner:		City:				
Project Name: EAU 121			State: Zip:				
on: FAU			Phone #:	2			
			Fax #:				_
0000		MATRIX	PRESERV.	SAMPLING			
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		
SP2 @ 4'			q/3u/	12 1637 1			_
12 5P3 @ Sun	instach 6	66		144 V			
14 583 O 2'	0	5	4/3/	<	× ×		
	12						
2 3	and client's exclusive remedy for any rother cause whatsoever shall be dee rconsequental damages, including wi monoo of socioes hereunder by Carr	claim arising whether based in emed waived unless made in v ithout limitation, business interr final repardless of whether su	Liability and Damages. Cardinat'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 ris including those for negligence and any other cause whatsoever shall be deemed window duries made in writing and received by Cardinal writin 30 days after completion of the a ant shall Cardinal be liable for incidental or consequential damages, including whond limited on, business interruptions, loss of use, or loss of profils incurred by client, its substitutions and shall Cardinal be liable for incidental or consequential damages, including whond limited on, business interruptions, loss of use, or loss of profils incurred by client, its substitutions or and shall Cardinal be liable for incidental or consequential damages, including the cardinals contractions of whether such claims is based upon any of the above stated reasons or otherwise.	Int paid by the client for the ys after completion of the applicable ed by client, its subsidiaries, ted reasons or otherwise.			
Relinquished By:	Date: 9/3/20 Time: 14/5	Received By:	lenson	are en	□ Yes □ No nailed. Please provio	Add'I Phone #: ide Email address:	
Relinquished.BV:	Date: Time:	Received By:		REMARKS:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C	1.9 Sample Con Cool Intac	1110	: Turnaround Time: Thermometer ID #113	Standard Rush	Bacteria (only) Sample Condition	, 0
FORM-000 K 3.1 00/04/20	+ Cardinal ca	nnot accept verba	Construct account worked changes Please email changes to celev keene@cardinallabsnm.com	honne to colov kee	adellenibroo		



October 15, 2020

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EAU 121

Enclosed are the results of analyses for samples received by the laboratory on 10/13/20 14:35.

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/ga/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. Keine

Celey D. Keene Lab Director/Quality Manager



		APACHE C	orp - Hobbs		
		BRUCE BA	KER		
		2350 W. №	1arland Blvd.		
		HOBBS NN	1, 88240		
		Fax To:	(575) 393-2432		
Received:	10/13/2020			Sampling Date:	10/13/2020
Reported:	10/15/2020			Sampling Type:	Soil
Project Name:	EAU 121			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN				

Sample ID: SP 1 @ 5' (H002721-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2020	ND	2.09	104	2.00	0.144	
Toluene*	<0.050	0.050	10/13/2020	ND	2.07	104	2.00	0.312	
Ethylbenzene*	0.116	0.050	10/13/2020	ND	2.02	101	2.00	0.364	
Total Xylenes*	0.777	0.150	10/13/2020	ND	5.78	96.4	6.00	0.303	
Total BTEX	0.893	0.300	10/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	73.3-12	9						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	28.2	10.0	10/14/2020	ND	204	102	200	6.58	
DRO >C10-C28*	1030	10.0	10/14/2020	ND	212	106	200	6.26	
EXT DRO >C28-C36	192	10.0	10/14/2020	ND					
Surrogate: 1-Chlorooctane	93.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	105 9	% 42.2-15							

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NONE GIVEN

NONE GIVEN

Jodi Henson

Sample Received By:

Analytical Results For:

	APACHE C	ORP - HOBBS		
	BRUCE BA	KER		
	2350 W. M	1arland Blvd.		
	HOBBS NN	1, 88240		
	Fax To:	(575) 393-2432	2	
10/13/2020			Sampling Date:	10/13/2020
10/15/2020			Sampling Type:	Soil
EAU 121			Sampling Condition:	Cool & Intact

Sample ID: SP 1 @ 6' (H002721-02)

Received:

Reported:

Project Name:

Project Number:

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2020	ND	2.09	104	2.00	0.144	
Toluene*	<0.050	0.050	10/13/2020	ND	2.07	104	2.00	0.312	
Ethylbenzene*	<0.050	0.050	10/13/2020	ND	2.02	101	2.00	0.364	
Total Xylenes*	<0.150	0.150	10/13/2020	ND	5.78	96.4	6.00	0.303	
Total BTEX	<0.300	0.300	10/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	6 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2020	ND	204	102	200	6.58	
DRO >C10-C28*	57.7	10.0	10/14/2020	ND	212	106	200	6.26	
EXT DRO >C28-C36	16.2	10.0	10/14/2020	ND					
Surrogate: 1-Chlorooctane	83.9 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.8 9	42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		APACHE C	orp - Hobbs		
		BRUCE BA	KER		
		2350 W. №	1arland Blvd.		
		HOBBS NN	1, 88240		
		Fax To:	(575) 393-2432		
Received:	10/13/2020			Sampling Date:	10/13/2020
Reported:	10/15/2020			Sampling Type:	Soil
Project Name:	EAU 121			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN				

Sample ID: SP 1 @ 7' (H002721-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2020	ND	1.98	98.8	2.00	10.1	
Toluene*	<0.050	0.050	10/14/2020	ND	2.00	100	2.00	10.2	
Ethylbenzene*	<0.050	0.050	10/14/2020	ND	2.03	101	2.00	10.0	
Total Xylenes*	<0.150	0.150	10/14/2020	ND	5.86	97.7	6.00	9.12	
Total BTEX	<0.300	0.300	10/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	6 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2020	ND	204	102	200	6.58	
DRO >C10-C28*	32.5	10.0	10/14/2020	ND	212	106	200	6.26	
EXT DRO >C28-C36	<10.0	10.0	10/14/2020	ND					
Surrogate: 1-Chlorooctane	89.1 9	% 44.3-14	4						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	1arland Blvd.		
		Fax To:	(575) 393-2432	2	
Received:	10/13/2020			Sampling Date:	10/13/2020
Reported:	10/15/2020			Sampling Type:	Soil
Project Name:	EAU 121			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN				

Sample ID: HC 4 (H002721-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2020	ND	1.98	98.8	2.00	10.1	
Toluene*	<0.050	0.050	10/14/2020	ND	2.00	100	2.00	10.2	
Ethylbenzene*	<0.050	0.050	10/14/2020	ND	2.03	101	2.00	10.0	
Total Xylenes*	<0.150	0.150	10/14/2020	ND	5.86	97.7	6.00	9.12	
Total BTEX	<0.300	0.300	10/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2020	ND	204	102	200	6.58	
DRO >C10-C28*	225	10.0	10/14/2020	ND	212	106	200	6.26	
EXT DRO >C28-C36	178	10.0	10/14/2020	ND					
Surrogate: 1-Chlorooctane	65.4	% 44.3-14	4						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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 SM4500CI-B does not require samples be received at or below 6°C

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

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 35 of 42

oratories	RDINAL
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	

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

Company Name: Abache Corpution		01118	
Project Manager: Bruce Ballon	P.O. #		ANALYSIS REQUEST
Address:	Company:		
City: State:	Zip:		
Phone #: Fax #:			
Project #: Proje	Project Owner: City:		
Project Name: EAU 121	State:	Zip:	
Project Location: GAU 121	Phone #:	1	
Sampler Name: JEFF Privin	Fax #:	Sch. e	
FOR LAB USE ONLY	MATRIX PRESERV	SAMPLING	
	ATER ER		
Lab I.D. Sample I.D.	TAINE NDWA EWATE E : ASE: DOL	¥	
HUCATRA	G)RAE CON BROUI VASTE OIL DIL LUDG THER CID/B CE / CO THER	BTE	
SPI	<	10/23/20 0	
2 54 206'	6	10/13/20 1921 1 1	
351207	8	10/13/20 0522 1 1	
4 HC 4		1 1 5269 2/8/1	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive analyses. All claims including those for negligence and any other cause whatse non-	PLEASE NOTE: Liability and Damages. Cardinar's liability and client's exclusive remedy for any claim arising whether based in contract or tent, 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 wixed unless mude in writing and teched by the client for the service of the analyses.	o the amount paid by the client for the	
Time	1435 COUL HENDON	Verbal Result: Yes All Results are emailed.	☐ No Add'l Phone #: Please provide Email address:
Date:	Beceived By:	REMARKS:	
Delivered By: (Circle One) Observed Temp. °C Sampler - UPS - Bus - Other: Corrected Temp. °C	S.2 Sample Condition CHEC Cool Infract	Table Y: Turnaround Time: R	
ronte-uus n 3.0 † Ca	Cardinal cannot accept verbal changes. Nease email changes to celev teenoor		ardinallaborn com

Received by OCD: 10/23/2020 9:21:53 AM

Released to Imaging: 2/16/2021 1:54:29 PM



October 22, 2020

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EAU 121

Enclosed are the results of analyses for samples received by the laboratory on 10/19/20 11:13.

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/ga/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. Keine

Celey D. Keene Lab Director/Quality Manager



NONE GIVEN

Analytical Results For:

		APACHE C	ORP - HOBBS		
		BRUCE BA	KER		
		2350 W. M	1arland Blvd.		
		HOBBS NN	1, 88240		
		Fax To:	(575) 393-2432	2	
Received:	10/19/2020			Sampling Date:	10/19/2020
Reported:	10/22/2020			Sampling Type:	Soil
Project Name:	EAU 121			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker

Sample ID: HC 4 (H002774-01)

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2020	ND	2.03	102	2.00	4.66	
Toluene*	<0.050	0.050	10/21/2020	ND	2.03	101	2.00	5.71	
Ethylbenzene*	<0.050	0.050	10/21/2020	ND	1.95	97.4	2.00	4.81	
Total Xylenes*	<0.150	0.150	10/21/2020	ND	5.67	94.4	6.00	3.13	
Total BTEX	<0.300	0.300	10/21/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8 % 73.3-12 mg/kg		29 Analyzed By: MS						
TPH 8015M									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2020	ND	222	111	200	0.124	
DRO >C10-C28*	<10.0	10.0	10/20/2020	ND	214	107	200	0.876	
EXT DRO >C28-C36	<10.0	10.0	10/20/2020	ND					
Surrogate: 1-Chlorooctane	110.0	/ 443.14	4						
3	110 %	<i>6 44.3-14</i>	4						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 10/23/2020 9:21:53 AM

Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Name: (Project #:	Phone #:	City:	Address:	Project Manager:	Company Name:	
Sample I.D	Ja Nor		EAU 1					0	apache C	aboratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
				Project Owne	Fax #:	State:		tu	rougtion	atories Ind, Hobbs, NM 88240 26 FAX (575) 393-2476
# CONTAINERS GROUNDWATER WASTEWATER SOIL				a		Zip:				475 6 I
OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		Fax #:	State:	City:	Address:	Attn:	Company:	P.O. #:	B/	
DATE TIN	SAMPLING		Zip:						LL T0	CHA
BTEX							-			CHAIN-OF-CU
ELT. TPH									A	
										STODY AND ANALYSIS REQUEST
									UEST	SIS REQUE
	Image: Arrow of the second	HCH Sample ID Sample ID (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER VASTEWATER SOIL OIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : MATRIX PRESERV SOIL OIL SILUDGE OTHER : MATRIX PRESERV SOIL OIL SLUDGE OTHER : MATRIX PRESERV	HC4 Sample I.D. GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ICE / COOL OTHER: BTEX	ERU 12.1 Icreating Sample I.D. Sample I.D. Sample I.D. Fax #: Icreating Sample I.C. Fax #: Icreating Sample I.C. <td>Image: Image: Image:</td> <td>Fax #: Address: ame: EAU /2.1 Project Owner: City: City: beation: EAU /2.1 Phone #: Phone #: Phone #: Vame: Jeff Sum MATRIX PRESERV Sample I.D. D. Sample I.D. GROUNDWATER Fax #: Fax #: VATE WASTEWATER SOIL OIL SLUDGE OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ICE / COOL DATE TIME BTEX BTEX V ATS V</td> <td>State: Zip: Attn: e#: Fax #: Froject Owner: Address: ect Name: EAU /2.1 Project Owner: City: pler Name: EAU /2.1 Phone #: Phone #: pler Name: /EAU /2.1 Phone #: Fax #: pler Name: /EAU /2.1 Phone #: Phone #: pler Name: /EAU /2.1 Fax #: Fax #: pler Name: /EAU /2.1 Sample I.D. Fax #: Fax #: auseowry SoilL Oil SLUDGE PRESERV SAMPLING aLUD/BASE: COLD/BASE: ICE / COOL DATE TIME DATE MATE MATE MATE MATE DATE BTEX BTEX MATE MATE</td> <td>ess: state: Zip: Attn: et #: Fax #: Fax #: Fax #: Attn: et location: <i>EAU</i> /2.1 et Location: <i>EAU</i> /2.1 bet Location: <i>EAU</i> /2.1 et Location: <i>EAU</i> /2.1 bet Location: <i>EAU</i> /2.1 et Locatio</td> <td>HC4 State: Zip: Attn: Fax #: Foject Owner: Company: Fax #: Project Owner: Attn: Fax #: Project Owner: City: Fax #: Project Owner: State: City: Phone #: Phone #: GROUNDWATER MATRIX PRESERV. Soll Oil SLUDGE OIL SLUDGE DATE ICE / COOL DATE TIME ACID/BASE: ICE / COOL DATE ICE / COOL OTHER: ACID/FLAW STEX STEX</td> <td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td>	Image:	Fax #: Address: ame: EAU /2.1 Project Owner: City: City: beation: EAU /2.1 Phone #: Phone #: Phone #: Vame: Jeff Sum MATRIX PRESERV Sample I.D. D. Sample I.D. GROUNDWATER Fax #: Fax #: VATE WASTEWATER SOIL OIL SLUDGE OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ICE / COOL DATE TIME BTEX BTEX V ATS V	State: Zip: Attn: e#: Fax #: Froject Owner: Address: ect Name: EAU /2.1 Project Owner: City: pler Name: EAU /2.1 Phone #: Phone #: pler Name: /EAU /2.1 Phone #: Fax #: pler Name: /EAU /2.1 Phone #: Phone #: pler Name: /EAU /2.1 Fax #: Fax #: pler Name: /EAU /2.1 Sample I.D. Fax #: Fax #: auseowry SoilL Oil SLUDGE PRESERV SAMPLING aLUD/BASE: COLD/BASE: ICE / COOL DATE TIME DATE MATE MATE MATE MATE DATE BTEX BTEX MATE MATE	ess: state: Zip: Attn: et #: Fax #: Fax #: Fax #: Attn: et location: <i>EAU</i> /2.1 et Location: <i>EAU</i> /2.1 bet Location: <i>EAU</i> /2.1 et Location: <i>EAU</i> /2.1 bet Location: <i>EAU</i> /2.1 et Locatio	HC4 State: Zip: Attn: Fax #: Foject Owner: Company: Fax #: Project Owner: Attn: Fax #: Project Owner: City: Fax #: Project Owner: State: City: Phone #: Phone #: GROUNDWATER MATRIX PRESERV. Soll Oil SLUDGE OIL SLUDGE DATE ICE / COOL DATE TIME ACID/BASE: ICE / COOL DATE ICE / COOL OTHER: ACID/FLAW STEX STEX	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

Page 4 of 4

Received by OCD: 10/23/2020 9:21:53 AM Form C-141 State of New Mexico

Page 5

Oil Conservation Division

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

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points \boxtimes 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: Jeff Broom Title: Environmental Technician Date:10/22/2020 Signature: email: Jeffrey.Broom@apachecorp.com Telephone: 432.664.4677 **OCD Only** Chad Hensley 02/16/2021 Received by: Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Chud Henoz 02/16/2021 Signature: Date:

From:	Hensley, Chad, EMNRD
То:	Baker, Larry
Subject:	FW: NRM2021222458 EAU 121 Remediation Plan
Date:	Tuesday, February 16, 2021 1:35:00 PM
Attachments:	Approved Remediation Plan NRM2021222458 EAU 121 .pdf

Larry,

The OCD has approved with conditions the submitted Remediation Request C-141 for incident # NRM2021222458:

- The depth to groundwater has not been determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than 0.5 mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. The responsible party may choose to remediate to the most stringent levels listed in Table 1 in lieu of drilling to determine the depth to groundwater.
- This release has occurred in a High Karst area and will need to be remediated to the strictest closure criteria of <50' depth to groundwater from Table 1 of the spill rule. The current spill rule may be viewed here: http://164.64.110.134/parts/title19/19.015.0029.html

Cheers,

Chad Hensley • Environmental Science & Specialist Environmental Bureau EMNRD - Oil Conservation Division 811 First St. | Artesia, NM 88210 Office: 575.748.1283 | Cell: 575-703-1723 chad.hensley@state.nm.us http://www.emnrd.state.nm.us/OCD/



CONDITIONS

Action 10820

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 <u>District IV</u> 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 OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:				
	APACHE CORPORATION	303 Veterans Airpark Ln	873	10820	C-141				
#1000	Midland, TX79705								
OCD	Condition								
Reviewer									
chensley	y The OCD has approved with conditions the submitted Remediation Request C-141 for incident # NRM2021222458: • The depth to groundwater has not been determined. When nearby wells are used to								
	determine depth to groundwater,	the wells should be no further than 0.5 mile away from the site, and data shou	d be no more than 25 years	old, and well construction infor	mation should be provided.				
	The responsible party may choose	e to remediate to the most stringent levels listed in Table 1 in lieu of drilling t							