

303 Veterans Airpark Lane Midland, TX 79705

Remediation Plan

May 19, 2022

Re: Elliot B9 Disposal Case nAPP2206827379

Background:

On 2/22/2022 a release occurred due a 6 -inch water injection line failed. The release (GPS: 32.41421, -103.19460) is located south of Eunice, New Mexico in unit letter P section 6 township 22S range 37E. A groundwater survey was conducted utilizing NMOSE wells of record. The nearest well suggest groundwater beneath the release to be 73 feet.

On 3/2/2022 vertical delineation was conducted at 4 sample points to a depth of 1 foot. 5point surface horizontal samples were collected not to exceed 200 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory results were below table one standards for releases 51-100 to groundwater. Laboratory results for H1 was above 600 on chloride. On 4/14/2022 another 5-point surface horizontal samples were collected and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX.

Remediation Plan:

Apache Corporation proposes that final 5-point bottom composite samples be collected not to exceed 500 square feet. All samples collected with be submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. If laboratory results are below table one standards for chloride, TPH, and BTEX at the surface no excavation will occur. If laboratory results are above table one standards for releases 51-100 feet to groundwater, then those area will be excavated to below table one standards. If excavation is required, then all excavated soil will be hauled to an OCD approved disposal facility and the excavation will be backfilled with clean imported caliche to ground surface to restore the lease pad. The remediation will be completed in 90 days of OCD approval of the plan.

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

Submitted by.

Bruce Baker

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

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Oil Conservation Division

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
- Data table of soil contaminant concentration data
- \checkmark Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- $\mathbf{\underline{\nabla}}$ 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.

Released to Imaging: 5/31/2022 2:31:41 PM

Form C-141	22 12:00:16 AM State of New Me	exico	Page 3 d				
age 4	Oil Conservation D	Division	District RP				
			Facility ID				
			Application ID				
regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of	required to report and/or file certain required to report and/or file certain ment. The acceptance of a C-141 rep gate and remediate contamination that of a C-141 report does not relieve the	release notifications and perform ort by the OCD does not relieve pose a threat to groundwater, su	corrective actions for releases the operator of liability should rface water, human health or t	s which may endanger l their operations have he environment. In			
and/or regulations. Printed Name: Larry Ba Signature: Lan email: larry.baker@a	aker <i>ry Baker</i> pachecorp.com	_{Title:} Environm _{Date:} 05/17/202 Telephone: 432-	ental Tech SR. 22 215-2284				

Received by OCD: 5/20/2022 12:00:16 AM Form C-141 State of New Mexico

Detailed description of proposed remediation technique

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Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Incident ID	
District RP	
Facility ID	
Application ID	

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Remediation Plan

Scaled sitemap with GPS coordinates showing delineation points \square 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. ______{Title:} Environmental Tech SR. Printed Name: Larry Baker Signature: Larry Baker Date: 05/17/2022 Telephone: 432-215-2284 email: larry.baker@apachecorp.com **OCD Only** Received by: Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved ennifer Nobui Date: 05/31/2022 Signature:



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Page 5 of 33

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CR-00479CR-00154-POD2

Delaware Basin Rd

Maxar | Esri, HERE, GeoTechnologies, Inc. | U.S. Department of Energy Office of Legacy Management | OSE GIS, EDAC, USGS | Land Office ...



New Mexico Office of the State Engineer **Point of Diversion Summary**

			(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)					(NAD83 UTM in meters)			
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	Z	X	Y	
	CP (00666		2	05	22S	37E	67105	5	3588939* 🌍	
Driller Lice	nse:	982	Driller (Compan	y:	EA	DES, GE	NE			
Driller Nam	e:	EADES, GENE									
Drill Start I	Date:	08/27/1984	Drill Fin	ish Dat	e:	0	8/27/1984	1	Plug	g Date:	
Log File Da	te:	11/26/1984	PCW Ro	v Date:				1	Sou	rce:	Shallow
Pump Type	:		Pipe Dis	charge	Size:]	Esti	mated Yield:	10 GPM
Casing Size:	:	4.75	Depth W	ell:		1	20 feet]	Dep	th Water:	79 feet
	Wate	er Bearing Stratific	ations:	То	рB	otton	Descri	ption			
				7	9	120) Sandste	one/Grav	el/C	Conglomerate	
	Casing Perfora			То	рB	otton	l				
				8	0	120)				

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer **Point of Diversion Summary**

			 1 	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)					(NAD83 UTM in meters)		
Well Tag	POD	Number	Q64 Q	16 Q4 S	Sec T	ws	Rng	Χ	Y		
	CP (1353 POD1	3	1 3	09 22	2S	37E	671514	3586640 🌍		
Driller Lice	ense:	1292	Driller (Company	:	BEN	TLE WA	ATER WE	LL SERVICE		
Driller Nan	ne:	BENTLE, BILLY	L.								
Drill Start	Date:	05/04/2015	Drill Fir	nish Date	:	05	/18/2015	5 Pl	ug Date:		
Log File Da	ate:	05/28/2015	PCW R	cv Date:				Se	ource:	Shallow	
Pump Type	e:		Pipe Dis	charge S	ize:			Es	stimated Yield:	9 GPM	
Casing Size	e:	6.00	Depth W	Vell:		93	feet	D	73 feet		
	Wate	er Bearing Stratific	cations:	Тор	Bott	tom	Descri	ption			
				83		93	Other/U	Unknown			
		Casing Perfo	orations:	Тор	Bott	tom					
				73		93					

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5/17/22 7:45 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer **Point of Diversion Summary**

			(quarters a (quarters a		2=NE 3=S st to larges		(NAD83 UTM in met		
Well Tag	POD	Number	Q64 Q16	5 Q4 Se	ec Tws	Rng	X	Y	
	CP (00763	2 2	3 0	1 228	36E	667372 358837	74* 🌍	
Driller Lice	ense:	1188	Driller Co	mpany:	SCA	RBORG	OUGH DRILLING I	NC.	
Driller Nan	ne:	SCARBOROUG	H, LANE (LD)						
Drill Start Date: 10/07/1991			Drill Finis	h Date:	10	/11/1991	Plug Date:		
Log File Date: 11/25/1991			PCW Rev	Date:			Source:		Shallow
Pump Type	e:		Pipe Disch	arge Siz	ze:		Estimated	Yield:	1 GPM
Casing Size	:	6.00	Depth Wel	1:	26	5 feet	Depth Wat	137 feet	
	Wate	er Bearing Stratif	ications:	Тор	Bottom	Descri	ption		
				126	150	Sandst	one/Gravel/Conglor	nerate	
				190	260	Shale/N	Mudstone/Siltstone		
		Casing Perf	orations:	Тор	Bottom				
				185	265				

*UTM location was derived from PLSS - see Help

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5/17/22 7:46 AM

POINT OF DIVERSION SUMMARY



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					D	elineation S	amples					
Sample	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenz	Total	Total	GRO	DRO	EXT DRO	GPS
Date			Lab			ene	Xylenes	BTEX				Coordinates
												32.4143475,
3/2/2022	SP1	S	2,420	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.8	<10.0	-103.1950656
		1'	384	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
												32.4143325,
3/2/2022	SP2	S	2560	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1948862
		1'	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
												32.4143223,
3/2/2022	SP3	S	1220.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1947631
		1'	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
												32.4142855,
3/2/2022	SP 4	S	1950	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1948215
		1'	864	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
												32.4142279,
3/2/2022	H1	S	704	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.194871
												32.414407,
3/2/2022	H2	S	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.195014
												32.414333,
3/2/2022	H3	S	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.194736
												32.414084,
4/14/2022	H4	S	336	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.194893





March 07, 2022

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

RE: ELLIOT B9 DISPOSAL RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/02/22 8:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received:	03/02/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 DISPOSAL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: H 1 (H220806-01)

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	03/03/2022	ND	2.01	100	2.00	2.78	
Toluene*	<0.050	0.050	03/03/2022	ND	1.99	99.4	2.00	2.59	
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.91	95.6	2.00	2.91	
Total Xylenes*	<0.150	0.150	03/03/2022	ND	5.95	99.2	6.00	3.02	
Total BTEX	<0.300	0.300	03/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	03/04/2022	ND	432	108	400	7.69	
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	03/04/2022	ND	210	105	200	0.608	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	213	106	200	0.406	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					
Surrogate: 1-Chlorooctane	81.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.9	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/02/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 DISPOSAL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: H 2 (H220806-02)

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	03/03/2022	ND	2.01	100	2.00	2.78	
Toluene*	<0.050	0.050	03/03/2022	ND	1.99	99.4	2.00	2.59	
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.91	95.6	2.00	2.91	
Total Xylenes*	<0.150	0.150	03/03/2022	ND	5.95	99.2	6.00	3.02	
Total BTEX	<0.300	0.300	03/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/04/2022	ND	432	108	400	7.69	
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	03/04/2022	ND	207	103	200	6.05	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	213	106	200	21.2	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					
Surrogate: 1-Chlorooctane	85.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	81.6	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/02/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 DISPOSAL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: H 3 (H220806-03)

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	03/03/2022	ND	2.01	100	2.00	2.78	
Toluene*	<0.050	0.050	03/03/2022	ND	1.99	99.4	2.00	2.59	
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.91	95.6	2.00	2.91	
Total Xylenes*	<0.150	0.150	03/03/2022	ND	5.95	99.2	6.00	3.02	
Total BTEX	<0.300	0.300	03/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/04/2022	ND	432	108	400	7.69	
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	03/04/2022	ND	207	103	200	6.05	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	213	106	200	21.2	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					
Surrogate: 1-Chlorooctane	101	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.4	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 5/31/2022 2:31:41 PM

ss to celey.Keene@carumana.com	TORMI-000 R 5.2 10/07/21 + Cardinal cannot accept verbal changes. Please email changes to celey.keene@carumanausum.com	Г
Rush Cool Intact Observed remp. Thermometer ID #113 Image: I	Delivered By: (Circle One) Observed Temp. °C O.4 Sample Condition CHECKED BY: Iu Sampler - UPS - Bus - Other: Corrected Temp. °C O.4 Cool - Intact (Initials) Th Sampler - UPS - Bus - Other: Corrected Temp. °C O,9 Im No No No Th	S D
Standard D Bacteria (only) S	Time:	
REMARKS:	Balinhinshed By: Aurulu Date: Received By:	
re emailed. Please prov	Relinquished By:	Re
pplicable	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract of tott, shall be unaverse with a contract of tott, shall be unaverse. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by client, its subsidiaries, analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by client, its subsidiaries, analyses. All claims including those for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, analyses. All claims and a contract of tott above stated reasons or otherwise.	PLE
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TIME C/	I)RAB CONT, ROUN (ASTE' OIL IL LUDG THER CID/B. CP) CI DATE	ſ
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	e: Jeee () Lesereles () MATRIX	Sam
	Project Location: CIL; of BY Disposed Kelewil Prover:	Proj
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	City: J LLC State: JJL Zip: SC JUD Attn:	City-
		Adds
	-	Proie
	Company Name: 0 1.	Com
ANALYSIS REQUEST		



March 07, 2022

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

RE: ELLIOT B9 DISPOSAL RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/02/22 8:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received:	03/02/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 DISPOSAL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ SURFACE (H220807-01)

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	03/03/2022	ND	2.01	100	2.00	2.78	
Toluene*	<0.050	0.050	03/03/2022	ND	1.99	99.4	2.00	2.59	
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.91	95.6	2.00	2.91	
Total Xylenes*	<0.150	0.150	03/03/2022	ND	5.95	99.2	6.00	3.02	
Total BTEX	<0.300	0.300	03/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2420	16.0	03/04/2022	ND	432	108	400	7.69	
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	03/04/2022	ND	207	103	200	6.05	
DRO >C10-C28*	32.8	10.0	03/04/2022	ND	213	106	200	21.2	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					
Surrogate: 1-Chlorooctane	127	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	128	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/02/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 DISPOSAL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ SURFACE (H220807-02)

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	03/03/2022	ND	2.01	100	2.00	2.78	
Toluene*	<0.050	0.050	03/03/2022	ND	1.99	99.4	2.00	2.59	
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.91	95.6	2.00	2.91	
Total Xylenes*	<0.150	0.150	03/03/2022	ND	5.95	99.2	6.00	3.02	
Total BTEX	<0.300	0.300	03/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	03/04/2022	ND	432	108	400	7.69	
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	03/04/2022	ND	207	103	200	6.05	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	213	106	200	21.2	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					
Surrogate: 1-Chlorooctane	131	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	128	% 59.5-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/02/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 DISPOSAL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ SURFACE (H220807-03)

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	03/03/2022	ND	2.01	100	2.00	2.78	
Toluene*	<0.050	0.050	03/03/2022	ND	1.99	99.4	2.00	2.59	
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.91	95.6	2.00	2.91	
Total Xylenes*	<0.150	0.150	03/03/2022	ND	5.95	99.2	6.00	3.02	
Total BTEX	<0.300	0.300	03/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	03/04/2022	ND	432	108	400	7.69	
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	03/04/2022	ND	207	103	200	6.05	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	213	106	200	21.2	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					
Surrogate: 1-Chlorooctane	134	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	131	% 59.5-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/02/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 DISPOSAL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ SURFACE (H220807-04)

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	03/03/2022	ND	2.01	100	2.00	2.78	
Toluene*	<0.050	0.050	03/03/2022	ND	1.99	99.4	2.00	2.59	
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.91	95.6	2.00	2.91	
Total Xylenes*	<0.150	0.150	03/03/2022	ND	5.95	99.2	6.00	3.02	
Total BTEX	<0.300	0.300	03/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1950	16.0	03/04/2022	ND	432	108	400	7.69	
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	03/04/2022	ND	207	103	200	6.05	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	213	106	200	21.2	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					
Surrogate: 1-Chlorooctane	126 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	124 9	% 59.5-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/02/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 DISPOSAL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H220807-05)

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	03/03/2022	ND	2.01	100	2.00	2.78	
Toluene*	<0.050	0.050	03/03/2022	ND	1.99	99.4	2.00	2.59	
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.91	95.6	2.00	2.91	
Total Xylenes*	<0.150	0.150	03/03/2022	ND	5.95	99.2	6.00	3.02	
Total BTEX	<0.300	0.300	03/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/04/2022	ND	432	108	400	7.69	
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	03/04/2022	ND	207	103	200	6.05	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	213	106	200	21.2	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					
Surrogate: 1-Chlorooctane	140	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	138	% 59.5-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/02/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 DISPOSAL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H220807-06)

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	03/03/2022	ND	2.01	100	2.00	2.78	
Toluene*	<0.050	0.050	03/03/2022	ND	1.99	99.4	2.00	2.59	
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.91	95.6	2.00	2.91	
Total Xylenes*	<0.150	0.150	03/03/2022	ND	5.95	99.2	6.00	3.02	
Total BTEX	<0.300	0.300	03/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/04/2022	ND	432	108	400	7.69	
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	03/04/2022	ND	207	103	200	6.05	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	213	106	200	21.2	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					
Surrogate: 1-Chlorooctane	136	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	136	% 59.5-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/02/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 DISPOSAL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 1' (H220807-07)

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	03/03/2022	ND	2.01	100	2.00	2.78	
Toluene*	<0.050	0.050	03/03/2022	ND	1.99	99.4	2.00	2.59	
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.91	95.6	2.00	2.91	
Total Xylenes*	<0.150	0.150	03/03/2022	ND	5.95	99.2	6.00	3.02	
Total BTEX	<0.300	0.300	03/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/04/2022	ND	432	108	400	7.69	
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	03/04/2022	ND	207	103	200	6.05	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	213	106	200	21.2	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					
Surrogate: 1-Chlorooctane	113 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	108 9	% 59.5-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/02/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 DISPOSAL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ 1' (H220807-08)

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	03/03/2022	ND	2.01	100	2.00	2.78	
Toluene*	<0.050	0.050	03/03/2022	ND	1.99	99.4	2.00	2.59	
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.91	95.6	2.00	2.91	
Total Xylenes*	<0.150	0.150	03/03/2022	ND	5.95	99.2	6.00	3.02	
Total BTEX	<0.300	0.300	03/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	03/04/2022	ND	432	108	400	7.69	
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	03/04/2022	ND	207	103	200	6.05	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	213	106	200	21.2	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					
Surrogate: 1-Chlorooctane	111 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	110 9	59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Received by	OCD: 5/20/2022	2 12:00:16 AM	

Company Name:	he,		BILL TO			ANALYSIS REQ	REQUEST
Project Manager:	C B	P.(1		_		_
Address:	1 1	Co	Company:	2			
City: Habos	State: VIL Z	Zip: Stau	'n				
Phone #:	Fax #:		Address:				
Project #:	Project Owner:	City:	Y				-
Project Name:		Sta	State: Zip:				
Project Location: CIL:	1 BA Disposed R	Robert Ph	Phone #:			8	
Sampler Name:	ala k		Fax #:				
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	LING	,		
2		٦			/		
Lab I.D.	Sample I.D.	B)RAB OR (C)O CONTAINERS ROUNDWATER (ASTEWATER DIL LUDGE THER :	COOL THER :	C/	<u>SX+TPH</u> BTEX		
Charles and the	Surface		10	9:58 10	×. <		
2 202	o Suchere	G - /		10:00 %		~	
3 503	Suchur	-	/	NC2 X	8-		
4 Sp4	OSunhau-	1	/	10:04 0	X X		
S Spi	0('	-	/	N Sell	8		
6 Spa	. @1'	」 - -	/	1:22 X	8		
1 503	0/	1	,	X heil	8		
yds 2	f @('		/	X deill	X	N N	
LEASE NOTE: Liability and Damages. Cardinalyses. All claims including those for neglige	PLEASE NOTE: Liability and Damages. Cardina'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	aim arising whether based in contract or tort, ned waived unless made in writing and receiv	shall be limited to the amount paid red by Cardinal within 30 days after of	by the client for the completion of the applicable			
affiliates or successors arising out of or related to the perfo	mance of services hereunder by Car	nout limitation, business interruptions, loss of unal, regardless of whether such claim is base	use, or loss of profits incurred by clic d upon any of the above stated reas				
	ND-2	Received BY:	MAN -	All Results are emailed.	□ Yes □ No ailed. Please prov	Please provide Email address:	
Refinquished By:	Date: R	Received By:	Mall a	Bruce REMARKS:	/te		
		2	-				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C	Cool Intact	S)	Turnaround Time: Thermometer ID #11	Standard Rush	Bacteria (only) S Cool Intact	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C □ Yes □ Yes
FORM-000 R 3.2 10/07/2		No	Correction Factor -0.5°C	Correction Factor -0.	.5°C		Corrected Temp. °C



April 20, 2022

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

RE: ELLIOT B9 DISPOSAL RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 04/14/22 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/20/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 DISPOSAL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: H 4 (H221555-01)

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	04/19/2022	ND	2.13	106	2.00	0.916	
Toluene*	<0.050	0.050	04/19/2022	ND	2.11	106	2.00	1.95	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.11	105	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.53	109	6.00	2.03	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	04/19/2022	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	04/19/2022	ND	203	101	200	1.68	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	215	107	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	104 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	111 9	59.5-14	2						

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Celez D. Keine

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.
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

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

	es to celey.keene@c	es. Please email change	composition of the second s		
Standard A Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C Ves Yes Nc No Corrected Temp. °C	Turnaround Time: Thermometer ID #113 Correction Factor -0.5°C	1 CHECKED BY: Tu (Initials) Th	al cannot accent vector leboard	Observe Correcte	Delivered By: (Circle One) ampler - UPS - Bus - Other: FORM-006 R 3.2 10/07/2
veroai Result:	veroai Result: □ Yes All Results are emailed. REMARKS:		Received By:	W	telinquished By:
	pplicable	eceived by Cardinal within 30 days after co s of use, or loss of profits incurred by clier based upon any of the above stated reaso	use including without limitation, business interruptions, loss of use, or reunder by Cardinal, regardless of whether such claim is based upon and the Received By:	nervice. 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, reging uished by: Date: Date	Relinquished By:
	the client for the	tort, shall be limited to the amount paid b	edy for any claim arising whether based in contract or	LEASE 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 name whatevery remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	LEASE NOTE: Liability and nalyses. All claims including
				~	1
	1 / GO:B	7 4 14			
Ext TP		OTHER : ACID/BASE: ICE / COOL OTHER :	G) (G)RAB OR (C)OI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	Sample I.D.	Lab I.D.
		PRESERV. SAMPLING			
		Fax #:		Jue Chus	FOR LAB USE ONLY
		State: Zip: Phone #-	usul Release	m: Aliot BG Dispusil	Project Location:
		City:	Project Owner:	Project	Project Name:
		Address:		Fax #:	Protoce #:
		Attn:	State: N/ X Zip: Sg 240		CITY: 1-1 0505
		Company:			Address:
ANALYSIS REQUEST		P.O. #:		Bruc	Project Manager:
			VM 88240 393-2476	Dag	Company Name:
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	CHAIN-OF-C	•	Ties I	aboratories	
			ľ	12111.	

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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
APACHE CORPORATION	873
303 Veterans Airpark Ln	Action Number:
Midland, TX 79705	108813
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Creat By	d Condition	Condition Date
jnot	II Remediation Plan Approved with Conditions. Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than four hundred (400) square feet.	5/31/2022

Action 108813