

July 28, 2021

Mr. Bradford Billings State of New Mexico Oil Conservation Division 1220 South St Francis Drive Santa Fe, NM 87505

RE: 1RP-3066 South Eunice Seven Rivers Queen #428

Mr. Billings,

In compliance with 19.15.29.15(B) NMAC and the agreement submitted by Apache Corporation on November 8, 2018, Apache Corporation is submitting information related to closure for the release occurring June 18, 2010. Apache is respectfully submitting the closure report based on remediation and studies occurring in 2021 that demonstrate the site meeting the requirements of the agency. Unless further information is requested by NMOCD, Apache Corporation considers this release closed.

If there are any questions, please feel free to contact me by telephone at 432-631-6982 or by e-mail at larry.baker@apachecorp.com

Sincerely,

Larry Baker

Larry Baker Environmental Technician SR. Apache Corporation

Attachment: Closure Report Dated July 28, 2021.



303 Veterans Airpark Lane Midland, TX 79705

#### **Closure Report**

July 28, 2021

*Re: South Eunice Seven Rivers Queen 428 Case # 1RP-3066* 

On 06/18/2010 a release occurred due to external corrosion on 1 ½ inch cement lined pipe. The release (GPS: 32.369837, -103.225533) is south of Eunice, New Mexico in unit letter M section 24 township 22S range 36E. A groundwater survey was conducted utilizing NMOSE wells of record. The nearest wells suggest that groundwater beneath the release is less than 50 feet below ground surface.

On 9/6/2019 Apache Corporation conducted vertical delineation at various depths. All samples collected were submitted to a commercial laboratory for analysis of chloride and the 1, 3, 5 foot samples were submitted to a commercial laboratory for analysis of TPH and BTEX. Laboratory results were above table one standards for chlorides at the west sample point. On 1/22/2020 the west sample point was advanced to a depth of 13 feet. All samples collected were submitted to a commercial laboratory for analysis of chloride.

The area around the west sample point was excavated to a depth of 13 feet. On 6/17/2021 final 5 point bottom and wall composite samples were collected not exceeding 200 square feet. All samples were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All excavated soil was hauled to an OCD approved disposal facility. Clean imported top soil was utilized to backfill the excavation to ground surface and contoured to the surrounding area. The disturbed area will be reseeded with NMSLO sandy sites seed mixture.

*Enclosed:* C-141, Maps, Sample Data, Laboratory Results, Photos and Revegetation and Noxious Weed Plan.

Submitted by;

Sruce Baker

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

ceived by OCD: 7/29/2021 9:18:03 AM				Page 3 of		
625 N French Dr. Hobbs, NM 88240	e of New Me			Form C-141		
District II 301 W. Grand Avenue, Artesia, NM 88200 0 4 2010	rals and Natu	ral Resources		Revised October 10, 2003		
AUG U 4 ZUIU District III O00 Pia Brazos Pood Aztec NM 87410 Oil Con	nservation I	Division		Submit 2 Copies to appropriate District Office in accordance		
	outh St. Fra			with Rule 116 on back		
Sant	ta Fe, NM 8			side of form		
Release Notifica	tion and (	Corrective A	ction			
	OPER		🛛 Init	ial Report 🗌 Final Repo		
Name of Company Apache Corporation           Address P.O. Box 1849, Eunice NM 88231		Natalie Gladden e No. 575-390-418	96			
Facility Name South Eunice Seven Rivers Queen Unit #428	and the second se	ype Injection we	and some other states and the state of the s			
	ner State of ]			No. 30-025-09017		
			Lease	140. 30-023-09017		
	Vorth/South Line		East/West Line	County		
onit Letter Section Township Range Teet non the	Vorui/ South Link	reet nom me	Last west Line	County		
M 24 22S 36E 467' F	-NL	467'	FWL	Lea		
Latitude	Longit	ude				
NATU	RE OF RE	LEASE				
Type of Release Produced Water		of Release 50		Recovered 30		
Source of Release Injection line leak		Hour of Occurrence 10 302pm		Date and Hour of Discovery 06/18/2010 302pm		
Was Immediate Notice Given?	If YES,	To Whom?		A		
-			415	×		
By Whom? Natalie Gladden Was a Watercourse Reached?		Hour 06/18/2010 Volume Impacting t				
🗌 Yes 🖾 No						
If a Watercourse was Impacted, Describe Fully.*		NATERG	1201			
Describe Cause of Problem and Remedial Action Taken.*			120			
External corrosion on 1 1/2" cement lined pipe that was buried surface fluid. Immediately the saturated soil was excavated and hauled to Su			roduced water and	d recovering approx 30bbls of		
nuid. Immediately the saturated son was excavated and natifed to St	undance Service	5.				
Describe Area Affected and Cleanup Action Taken.*						
Contaminated soil will be excavated and remediated according to the	e NMOCD Rule	s and Regulations to	closure.			
I hereby certify that the information given above is true and complete	e to the best of r	av knowledge and u	nderstand that nu	suant to NMOCD rules and		
regulations all operators are required to report and/or file certain rele	ase notifications	and perform correct	tive actions for re	leases which may endanger		
public health or the environment. The acceptance of a C-141 report should their operations have failed to adequately investigate and rem						
or the environment. In addition, NMOCD acceptance of a C-141 rep		ation mat pose a un				
			responsibility for	compliance with any other		
		eve the operator of				
		eve the operator of	SERVATION			
federal, state, or local laws and/or regulations.	port does not reli	OIL CON	SERVATION	DIVISION SERVING		
federal, state, or local laws and/or regulations.	port does not reli	eve the operator of	SERVATION	DIVISION Selumy		
federal, state, or local laws and/or regulations.         Signature:         Printed Name:         Natalie Gladden	Approved	OIL CON	SERNATION Services or: Environme	DIVISION Selumy		
federal, state, or local laws and/or regulations. Signature: Ale Collection Printed Name: Natalie Gladden Title: EHS Environmental Tech	Approved Approval I	OIL CON OIL CON by District Supervise Date: 08/04/10	SERMATION or: Environme Expiration	DIVISION Selumo Intal Specialist		
Signature: Atalie Gladden Printed Name: Natalie Gladden Title: EHS Environmental Tech E-mail Address: natalie.gladden@apachecorp.com	Approved Approval I Conditions	OIL CON	SERMATION or: Environme Expiration	DIVISION Selumo Intal Specialist		

**Received by OCD: 7/29/2021 9:18:03 AM** Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Page 4 of 54

#### 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 <b>not</b> 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
- $\overline{\nabla}$  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
- 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.

Form C-141	9:18:03 AM State of New Me	xico	Page 5			
	Oil Conservation D		Incident ID			
Page 4	On Conservation D	11/151011	District RP			
			Facility ID			
			Application ID			
regulations all operators are re- public health or the environme failed to adequately investigate	action given above is true and comp quired to report and/or file certain r ent. The acceptance of a C-141 report and remediate contamination that a C-141 report does not relieve the of <b>Ker</b>	release notifications and perform of ort by the OCD does not relieve th pose a threat to groundwater, surf operator of responsibility for comp	corrective actions for rele te operator of liability sho ace water, human health pliance with any other feo ental Tech SR.	ases which may endanger ould their operations have or the environment. In		
<sub>email:</sub> larry.baker@ap		Telephone: 402-0	551-0962			

Page 6

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

### Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

 $\square$  Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Z Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

 $\square$  Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Larry Baker	Title: Environmental Tech SR.					
Signature: Larry Baker	Date: 7/28/2021					
email: larry.baker@apachecorp.com	Telephone: 432-631-6982					
OCD Only						
Received by: OCD	Date: 07/29/2021					
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.						
Closure Approved by: Ashley Maxwell	Date:1/25/2023					
Printed Name Ashley Maxwell	Title Environmental Specialist					

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Page 7 of 54

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

Well Tag		<b>)D Number</b> 9 00609	(quar	ers are 1 ters are Q16 Q4 3 4	smalles I Sec	t to larg <b>Tws</b>		•	TM in meters) Y 3583098*	
Driller Licer		208 VAN NOY, W.L.	Driller Co	ompan	<b>y</b> : ∨/	AN NO	DY, W.L			
Drill Start D		06/06/1980	Drill Finis	sh Dat	ə:	06/2	28/1980	Pluç	j Date:	
Log File Dat	te:	07/01/1980	PCW Rev	/ Date:			Sou	Shallow		
Pump Type	:		Pipe Discharge Size:				Estimated Yield:			
Casing Size	:	6.63	Depth W	ell:		199	) feet	Dep	th Water:	22 feet
	Wate	r Bearing Stratific	ations:	Тор	Bot	tom	Descrip	tion		
				177		199	Sandsto	one/Grave	l/Conglome	rate
		Casing Perfo	orations:	Тор	Bot	tom				
				175		199				

\*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.

8/26/19 3:02 PM

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Page 8 of 54

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

Well Tag	PC E	<b>DD Number</b> 03808 POD1	(qua	rters are s	NW 2=NE 3 mallest to la Sec Two	s Rng	NAD83 UTM in X 666105 35	meters) Y 580686	•	
Driller Licen	se:	539	Driller C	ompany	: GARC	IA BROTH	ERS DRILLI	NG CO	., LLC	
Driller Name	:	GARCIA, RAYN	IOND							
Drill Start Da	ate:	04/27/1983	Drill Fini	sh Date	: 04	/27/1983	Plug Da	te:		
Log File Dat	e:	05/03/1983	PCW Rc	PCW Rcv Date:			Source:	Shallow		
Pump Type:			Pipe Dis	charge	Size:		Estimated Yield: 35 GPM			
Casing Size	:	5.00	Depth W	ell:	12	5 feet	Depth W	/ater:	55 feet	
۰ ۷	Vate	r Bearing Strati	fications:	Тор	Bottom	Descriptie	on			
				35	55	Limestone	/Dolomite/C	halk		
		Casing Per	forations:	Тор	Bottom					
				30	50					
				105	125					

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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Google Earth

32.369778° lon -103.225522° elev 3468 ft eye alt 3699 ft 🕤





# Google Earth

Imagery Date: 2/20/2019 lat 32.369844° lon -103.225569° elev 3468 ft eye alt 3628 ft

					D	elineation Sa	mples					
Sample Date	Sample ID	Depth	Chloride Lab	Benzene	Toulene	Ethybenze ne	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
												32.369837,
9/6/2019	Center	1'	<16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.225533
9/6/2019		2'	32									
												32.369825,
9/6/2019	West	1'	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.225603
9/6/2019		2'	928									
9/6/2019		3'	1330	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
9/6/2019		4'	1140									
9/6/2019		5'	1070									
1/22/2020		7'	1020									
1/22/2020		9'	800									
1/22/2020		11'	640									
1/22/2020		13'	528									
												32.369908,
9/6/2019	North	1'	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.225533
9/6/2019		2'	48									
9/6/2019	East	1'	<16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.369827, -103.225498
9/6/2019	Lasi	2'	<16	<0.050	<0.050	<0.030	<0.150	<0.500	<10.0	<10.0	<10.0	-105.225458
9/6/2019		3'	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
9/6/2019			80	<0.050	<0.050	<0.050	<0.150	<0.500	10.0	<10.0	10.0	
9/6/2019		5'	432	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
57072015		5	432	<b>VU.UUU</b>	<b>VU.000</b>	<b>NO.000</b>	(0.150	<b>NO.000</b>	10.0	10.0	10.0	32.369653,
9/6/2019	South	1'	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.225525
					Exca	avation Final	Samples					
Sample	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenze	Total	Total	GRO	DRO	EXT DRO	GPS
Date			Lab			ne	Xylenes	BTEX				Coordinates
												32.369825,
6/17/2021	WSP	13'	64	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.225603
												32.369851,
6/17/2021	NW	0-13'	64	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.225606

												32.369800,
6/17/2021	SW	0-13'	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.225601
												32.369823,
6/17/2021	WW	0-13'	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.225630
												32.369827,
6/17/2021	WW	0-13'	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.225576

2010 Lab Report

Sample	Sample ID	Depth	Chloride
Date			Lab
7/30/2010	SP 1	N/A	16
7/30/2010	SP 2	N/A	16
7/30/2010	SP 3	N/A	<16
7/30/2010	SP 4	N/A	112
7/30/2010	SP 5	N/A	96

# **CARDINAL** Laboratories

PHONE (\$75) 393-2326 \* LOL E. MARLAND \* HOBBE, NH 68248

August 09, 2010

NATALIE GLADDEN APACHE - EUNICE P. O. BOX 1849 EUNICE, NM 88231

RE: SRQU #428

Enclosed are the results of analyses for samples received by the laboratory on 07/30/10 17:08.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,

Received by OCD: 7/29/2021 9:18:03 AM

Celey D.Kune

Celey D. Keene Lab Director/Quality Manager

# **CARDINAL** Laboratories

PHONE (\$75) 303-3238 \* 181 E. MARLAND \* HOBBS, NH BESID

#### Analytical Results For:

APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received: Reported:	07/30/2 08/09/2	010		San	npiling Da npiling Ty	/pe:	07/10/2 Soll		
Project Name:	SRQU #					ondition:	-	Notes)	
Project Number:	NOT GI			280	пріе кес	elved By:	Jodi He	nson	
Project Location:	SRQU #	928							
5ample ID: SP1 (H020497-01	)								
Chioride, SM4500CI-8	mg	/kg	Analyze	id By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/04/2010	ND	432	108	400	3,64	
Sample ID: SP2 (H020497-02	)								
Chioride, SM4500CI-8	mg	/kg	Алаіузе	d By: HM					
Anatyte	Result	Reporting Limit	Analyzed	Method Slank	BS	Ye Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/ <b>04/2</b> 010	ND	432	106	400	3.64	
5ample ID: SP3 (H020497-03	<b>\</b>								
Chloride, SM450GCI-B	-	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Chioride	<16.0	16.0	08/04/2010	ND	432	108	400	3.64	
Sample ID: SP4 (H020497-04	۱								
Chlaride, SM4500CI+B		/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Quallfier
Chloride	112	16.0	08/04/2010	ND	432	108	400	3.64	
Sample 10: SP5 (H020497-05	)								
Chloride, SM4500CI-B	ាព្	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
and the factor									

#### **Cardinal Laboratories**

\*=Accredited Analyte

RESE NOTE: Lubidity and Duthopis. Conditivity and desert's exclusive remeity for say down arrang, whether based in derivet ar tank, shall be breaded in the servers panel by class for available transfer of the applicable servers. In one overst plus Condition based for instances of available servers, and be derived whether areas and and examples of an available of the destination of the applicable servers. In one overst plus Condition based for any portional derivers, and the destination of the available servers. In one overst plus Condition based for available servers, and the destination of the available servers, and the destination of the available servers. In one overst plus Condition based for available servers, and the destination of the available servers, and the serverst plus Condition based on the server available servers, and the serverst plus Condition, based on the server available servers available servers. The serverst plus classes of the serverst

Celey D.Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4

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## **CARDINAL** Laboratories

PHONE (\$75) 393-2326 \* 101 E. MARLAND \* HORES, NH 88249

#### **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-8 does not require samples be received at or below 6°C samples reported on an as received basis (wet) unless otherwise noted on report

Page 16 of 54

#### Cardinal Laboratories

\*=Accredited Analyte

FLACE HOTE: Linkley and Damages. Candom's leadery and class's reductor remarks for any class example, whethere bessed is services for loss, shall be breaked to the event part by class for anyones. All classes, including branes for anyopeness and any other classe whethere will be derived means in service and any classes of Directed With Party (24) days after completely and res. In no event that classes that classes are anyones, and classes are anyonesses of the applicable services. In no event that classes the service are anyonesses and any other days of the days. The rest are anyonesses are any other days and the services are anyonesses are any other days. The rest are any other days after anyone that classes are anyone by classes are anyone and of a service are any of the days after a states methods and any other days and any of the days after a states and anyone whether anyone with a state anyone and any of the days after a states and anyones. The rest whether anyone are anyone and any of the days after a states and anyones. The rest whether anyone are anyone and any of the days after a states after anyone are anyone. The rest are anyone and any of the days after a state state and are anyone and any of the days after a state state and anyones. The rest are applied and any of the days after a state state and any anyone. The rest are applied and any of the days after a state state and any anyone and any of the days after a state state and anyones. The rest are applied and the state and anyone and any of the days after a state state and anyone and anyones.

Celey D.Keine

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 4

	101 East	L LABORAT Marland, Hobbs 193-2328 FAX (87	NM 882	40											!	CHAIN	<u>1-0</u>	F-C	US	TO	DY	AN	DA	NAL	. <u>YS</u>	<u>iis</u>	RE	QUE	<u>:ST</u>	-
Company Name		prahe	01363-54	170						Г			$\eta$	127	0	-	-					ANA	YSI	9 8	:0U	ES	r			
Project Manage	F=	atale (	21~	J.	4 0	\			_	P.	). II.				-		╋	T	T			1	T	T	T	T	<u>.</u>	<u> </u>		
Address:									_	Co		INY:	:				1		- [											
Cily:		Stal	le:	Zip	1					A	<b>n:</b>						1						1						L I	
Phone #:		FAL	h.							Ad	dre	<b>11</b> ;																		
Project #:		Proje	et Owner:							CH	y:						٦.										i			
Project Name:										51	Ne:			Zip:			1						1	1		- 1				
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Page 17 of 54

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

September 13, 2019

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

**RE: SEVEN RIVERS QUEEN #428** 

Enclosed are the results of analyses for samples received by the laboratory on 09/10/19 12:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Received by OCD: 7/29/2021 9:18:03 AM

Celeg L. Keine

Celey D. Keene Lab Director/Quality Manager

Page 1 of 19



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

Received:	09/10/2019	Sampling Date:	09/06/2019
Reported:	09/13/2019	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN #428	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

#### Sample ID: CENTER SP - 1' (H903116-01)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2019	ND	2.15	107	2.00	3.80	
Toluene*	<0.050	0.050	09/12/2019	ND	1.88	93.8	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/12/2019	ND	1.88	94.1	2.00	3.58	
Total Xylenes*	<0.150	0.150	09/12/2019	ND	5.72	95.4	6.00	3.47	
Total BTEX	<0.300	0.300	09/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL 95.7% 73.3-129

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	09/11/2019	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	09/11/2019	ND	214	107	200	1.48	
DRO >C10-C28*	< 10.0	10.0	09/11/2019	ND	215	108	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	09/11/2019	ND					
Surrogate: 1-Chlorooctane	83.5	% 41-142	2						
Surrogate: 1-Chlorooctadecane	89.2	% 37.6-14	7						

#### \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	09/10/2019	Sampling Date:	09/06/2019
Reported: Project Name: Project Number: Project Location:	09/13/2019 SEVEN RIVERS QUEEN #428 NONE GIVEN NOT GIVEN	Sampling Type: Sampling Condition: Sample Received By:	Soil Cool & Intact Tamara Oldaker

#### Sample ID: CENTER SP - 2' (H903116-02)

Chloride, SM4500CI-8	mg.	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/11/2019	ND	416	104	400	0.00	

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

Received: 09/10/2019 Sampling Date: 09/06/2019	
Reported: 09/13/2019 Sampling Type: Soil	
Project Name: SEVEN RIVERS QUEEN #428 Sampling Condition: Cool & Intact	
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker	
Project Location: NOT GIVEN	

#### Sample ID: WEST SP - 1' (H903116-03)

Analyzed By: CK **BTEX 80218** mg/kg RPD Qualifier Analyzed Method Blank BS % Recovery True Value QC **Reporting Limit** Result Analyte 2.00 3.80 107 < 0.050 0.050 09/12/2019 ND 2.15 Benzene\* 09/12/2019 ND 1.88 93.8 2.00 3.15 <0.050 0.050 Toluene\* 94.1 2.00 3.58 09/12/2019 ND 1.88 < 0.050 0.050 Ethylbenzene\* 95.4 3.47 <0.150 0.150 09/12/2019 ND 5.72 6.00 Total Xylenes\* 09/12/2019 ND <0.300 0.300 **Total BTEX** 

73.3-129 96.1% Surrogate: 4-Bromofluorobenzene (PIL

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/11/2019	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	09/12/2019	ND	214	107	200	1.48	
DRO >C10-C28*	<10.0	10.0	09/12/2019	ND	215	108	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	09/12/2019	ND					
Surrogate: 1-Chlorooctane	83.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	89.8	% 37_6-14	7						

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Received:	09/10/2019	Sampling Date:	09/06/2019
Reported:	09/13/2019	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN #428	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		
-			

#### Sample ID: WEST SP - 2' (H903116-04)

Chloride, SM4500Ci-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	09/11/2019	ND	416	104	400	0.00	

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Received: 09/10/2019 Sampling Date: 09/06/2019	
Reported: 09/13/2019 Sampling Type: Soil	
Project Name: SEVEN RIVERS QUEEN #428 Sampling Condition: Cool & Intact	
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker	
Project Location: NOT GIVEN	

#### Sample ID: WEST SP - 3' (H903116-05)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2019	ND	2.15	107	2.00	3.80	
Toluene*	<0.050	0.050	09/12/2019	ND	1.88	93.8	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/12/2019	ND	1.88	94.1	2.00	3.58	
Total Xylenes*	<0.150	0.150	09/12/2019	ND	5.72	95.4	6.00	3.47	
Total BTEX	<0.300	0.300	09/12/2019	ND					
Total Xylenes*	<0.150	0.150	09/12/2019	ND					

73.3-129 Surrogate: 4-Bromofluorobenzene (PIL 96.4%

Chloride, SM4500CI-B	mg/	/kg	Anaiyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	09/11/2019	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	09/11/2019	ND	214	107	200	4.27	
DRO >C10-C28*	<10.0	10.0	09/11/2019	ND	217	109	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	09/11/2019	ND					
Surrogate: 1-Chlorooctane	87.6	% 41-142	?						
Surrogate: 1-Chlorooctadecane	945	% 37.6-14	7						

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

Received:	09/10/2019	Sampling Date:	09/06/2019
Reported:	09/13/2019	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN #428	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

#### Sample ID: WEST SP - 4' (H903116-06)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	09/11/2019	ND	416	104	400	0.00	

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

Received:	09/10/2019	Sampling Date:	09/06/2019
Reported:	09/13/2019	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN #428	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

#### Sample ID: WEST SP - 5' (H903116-07)

**BTEX 8021B** Analyzed By: CK mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier 09/12/2019 107 2.00 <0.050 0.050 ND 2.15 3.80 Benzene\* Toluene\* <0.050 0.050 09/12/2019 ND 1.88 93.8 2.00 3.15 <0.050 0.050 09/12/2019 ND 1.88 94.1 2.00 3.58 Ethylbenzene\* 95.4 Total Xylenes\* < 0.150 0.150 09/12/2019 ND 5.72 6.00 3.47 Total BTEX < 0.300 0.300 09/12/2019 ND

Surrogate: 4-Bromofluorobenzene (PIL 97.4% 73.3-129

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	<b>8</b> S	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	09/11/2019	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	09/11/2019	ND	214	107	200	4.27	
DRO >C10-C28*	<10.0	10.0	09/11/2019	ND	217	109	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	09/11/2019	ND					
Surrogate: 1-Chlorooctane	93.0	% 41-142	?						
Surrogate: 1-Chlorooctadecane	99.8	% 37.6-14	7						

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

Received:	09/10/2019	Sampling Date:	09/06/2019
Reported:	09/13/2019	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN #428	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

#### Sample ID: NORTH SP - 1' (H903116-08)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2019	ND	2.15	107	2.00	3.80	
Toluene*	<0.050	0.050	09/12/2019	ND	1.88	93.8	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/12/2019	ND	1.88	94.1	2.00	3.58	
Total Xylenes*	<0.150	0.150	09/12/2019	ND	5.72	95.4	6.00	3.47	
Total BTEX	<0.300	0.300	09/12/2019	ND					

Surrogate 4-Bromofluorobenzene (PIE 97.0 % 73.3-129

Chloride, SM4500CI-B	mg.	/kg	Analyze	d By: AC				<u>_</u>	-
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/11/2019	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	09/11/2019	ND	214	107	200	4.27	
DRO >C10-C28*	<10.0	10.0	09/11/2019	ND	217	109	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	09/11/2019	ND					
Surrogate: 1-Chlorooctane	93.3	% 41-142							
Surrogate: 1-Chlorooctadecane	99.7	% 37.6-14)	,						

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

Received:	09/10/2019	Sampling Date:	09/06/2019
Reported:	09/13/2019	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN #428	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

#### Sample ID: NORTH SP - 2' (H903116-09)

Chloride, SM4500Cl-B	mg,	/kg	Anaiyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/11/2019	ND	416	104	400	0.00	

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Page 10 of 19



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

Received:	09/10/2019	Sampling Date:	09/06/2019
Reported:	09/13/2019	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN #428	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

#### Sample ID: EAST SP - 1' (H903116-10) V 00340

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2019	ND	2.15	107	2.00	3.80	
Toluene*	<0.050	0.050	09/12/2019	ND	1.88	93.8	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/12/2019	ND	1.88	94.1	2.00	3.58	
Total Xylenes*	<0.150	0.150	09/12/2019	ND	5.72	95.4	6.00	3.47	
Total BTEX	<0.300	0.300	09/12/2019	ND					

73.3-129 Surrogate: 4-Bromofluorobenzene (PIL 96.7 %

Chloride, SM4500CI-8	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/11/2019	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	09/11/2019	ND	214	107	200	4.27	
DRO >C10-C28*	<10.0	10.0	09/11/2019	ND	217	109	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	09/11/2019	ND					
Surrogate: 1-Chlorooctane	90.2	% -11-1-12	?						
Surrogate: 1-Chlorooctadecane	96.5	% 37.6-14	7						

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Page 11 of 19



Page 29 of 54

#### Analytical Results For:

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

Received:	09/10/2019	Sampling Date:	09/06/2019
Reported:	09/13/2019	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN #428	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

#### Sample ID: EAST SP - 2' (H903116-11)

Chloride, SM4500CI-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	09/11/2019	ND	416	104	400	0.00	

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

Received:	09/10/2019	Sampling Date:	09/06/2019
Reported:	09/13/2019	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN #428	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

#### Sample ID: EAST SP - 3' (H903116-12)

BTEX 8021B	mg,	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2019	ND	2.15	107	2.00	3.80	
Toluene*	<0.050	0.050	09/12/2019	ND	1.88	93.8	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/12/2019	ND	1.88	94.1	2.00	3.58	
Total Xylenes*	<0.150	0.150	09/12/2019	ND	5.72	95.4	6.00	3.47	
Total BTEX	<0.300	0.300	09/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL 97.6% 73.3-129

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/11/2019	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	09/11/2019	ND	214	107	200	4.27	
DRO >C10-C28*	<10.0	10.0	09/11/2019	ND	217	109	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	09/11/2019	ND					
Surrogate: 1-Chlorooctane	91.1	% 41-142	2						
Surrogate: 1-Chlorooctadecane	97.8	% 37.6-14	7						

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Page 31 of 54

#### Analytical Results For:

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

Received:	09/10/2019	Sampling Date:	09/06/2019
Reported:	09/13/2019	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN #428	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

#### Sample ID: EAST SP - 4' (H903116-13)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/11/2019	ND	432	108	400	0.00	

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Page 14 of 19

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Page 32 of 54

#### Analytical Results For:

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

Received:	09/10/2019	Sampling Date:	09/06/2019
Reported:	09/13/2019	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN #428	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

#### Sample ID: EAST SP - 5' (H903116-14)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2019	ND	1.99	99.4	2.00	0.0332	
Toluene*	<0.050	0.050	09/11/2019	ND	2.00	100	2.00	1.34	
Ethylbenzene*	<0.050	0.050	09/11/2019	ND	2.03	102	2.00	0.393	
Total Xylenes*	<0.150	0.150	09/11/2019	ND	6.08	101	6.00	0.808	
Total BTEX	<0.300	0.300	09/11/2019	ND					
Surrogate 4-Bromofluorobenzene (PIE	87,7 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8\$	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	09/11/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŚ	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2019	ND	214	107	200	4.27	
DRO >C10-C28*	<10.0	10.0	09/11/2019	ND	217	109	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	09/11/2019	ND					
Surrogate: 1-Chlorooctane	92.1	% 41-142	,						
Surrogate: 1-Chlorooctadecane	98.9 \$	% 37.6-14	7						

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Page 15 of 19



Page 33 of 54

#### Analytical Results For:

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

Received:	09/10/2019	Sampling Date:	09/06/2019
Reported:	09/13/2019	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN #428	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

#### Sample ID: SOUTH SP - 1' (H903116-15)

**BTEX 8021B** mg/kg Analyzed By: 8F True Value QC RPD Qualifier Result **Reporting Limit** Analyzed Method Blank BS % Recovery Analyte Benzene\* < 0.050 0.050 09/11/2019 ND 1.99 99.4 2.00 0.0332 0.050 09/11/2019 2.00 100 2.00 1.34 Toluene\* < 0.050 ND 102 2.00 0.050 09/11/2019 ND 2.03 0.393 Ethylbenzene\* <0.050 101 0.808 Total Xylenes\* <0.150 0.150 09/11/2019 ND 6.08 6.00 Total BTEX < 0.300 0.300 09/11/2019 ND Surrogate: 4-Bromofluorobenzene (PIL 89.5 % 73.3-129 Chloride, SM4500CI-B Analyzed By: AC mg/kg Qualifier RPD **Reporting Limit** True Value QC Analyte Result Analyzed Method Blank BS % Recovery Chloride 16.0 16.0 09/11/2019 ND 432 108 400 0.00 TPH 8015M Analyzed By: MS mg/kg RPD Qualifier Analyte Result **Reporting Limit** Analyzed Method Blank BS % Recovery True Value QC GRO C6-C10\* 10.0 09/11/2019 ND 107 200 4.27 <10.0 214 09/11/2019 109 200 7.72 DRO >C10-C28\* <10.0 10.0 ND 217 EXT DRO >C28-C36 <10.0 10.0 09/11/2019 ND 41-142 Surrogate: 1-Chlorooctane 86.5 % Surrogate: 1-Chlorooctadecane 93.2% 37.6-147

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Page 16 of 19

\*=Accredited Analyte

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

#### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
÷.	Chloride by SM4500Cl-B does not require samples be received at or below $6^{\circ}\text{C}$
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 17 of 19





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575	3) 393-2326 FAX (575) 393-2476	BILL TO	ANALYSIS REQUEST
Company Name:	multic cust	P.O. #	
Iddress:		COMPANY: HOOVAL UN	
City:	State: Zip:	Atta: Brune Burner	
Phone #:	Fax #:	Address: 250 MOULO	
Project #:	Project Owner:	city: 2000	
Project Name:		Choo into inters	
Project Location:	Xeven Linusquen "42	DHD)-100-100 #US	
Sampler Name:		Fax #:	2
FOR LAB USE DALY	MATRIX	IX PRESERVI SAMPLING	
Lab I.D.	Sample I.D. B OR (C)OMP TAINERS NDWATER WATER	7: 3ASE: 200L	
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PLEASE NOTI : Lobility and D analyses. All claims including th	PLEASE NOTE: Lobally and Damages. Cardina's labidity and dent's exclusive namely for any claim anising whether beset analyses. At claims, including lines for applicance and any other cause whatcomer shift be deemed waved unless made in-	any claim antship whethar besaid in contract or lost, shall be imited to the amount ped by the claim to the av genred wavied unless mede in witting and necessary by Candida within 20 claims their completion of the ay - where a limitation unlenses intermologing the color of loss of protic treatmed by claim. In a stochdatter,	the opticable interaction of the opticable interaction of the opticable in
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Kandill to	2	ate Willer Ball Kim	nonthing a 4 mm 1- 14/18 non
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- 11	le One) 0.62 497	Sample Condition CHECKED BY: UITU,	y sahara padractip can
Sampler - UPS -	bus - onen (instructud 1.0c [		

Page 35 of 54

Received by OCD: 7/29/2021 9:18:03 AM

Released to Imaging: 1/25/2023 9:14:00 AM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 19 of 19

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Received by OCD: 7/29/2021 9:18:03 AM


January 27, 2020

CALEB PITCHER Hungry Horse Environmental P.O. Box 1058 Hobbs, NM 88240

RE: SEVEN RIVERS QUEEN UNIT #428

Enclosed are the results of analyses for samples received by the laboratory on 01/24/20 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

### Analytical Results For:

Hungry Horse Environmental CALEB PITCHER P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/27/2020	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN UNIT #428	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP		

### Sample ID: WSP - 7' (H000235-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	01/24/2020	ND	416	104	400	0.00	

### Sample ID: WSP - 9' (H000235-02)

Chloride, SM4500Cl-B	nloride, SM4500Cl-B mg/kg			d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	01/24/2020	ND	416	104	400	0.00	

### Sample ID: WSP - 11' (H000235-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	01/24/2020	ND	416	104	400	0.00	

### Sample ID: WSP - 13' (H000235-04)

Chloride, SM4500Cl-B	ICI-B mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	01/24/2020	ND	416	104	400	0.00	

### **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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

### Received by OCD: 7/29/2021 9:18:03 AM

Delivered By: (Circle One) Sampler - UPS - Bus - Other: #113 17	Relinquished By: Date: Time:	Reminduising by:	<ul> <li></li></ul>	DI EASE MOTEL I John and Downson Conductly Easting and distributions of the			2.12	WSV-4.	P-72	C P MOH	11000 030	Lab I.D. Sample I.D.	1	FOR LAB USE ONLY	3	Project Location: Seven Rivers Queen 4	Project Name: Abacha	Project #: Project Owner:	Phone #: 575-9404-0123 Fax #:	City: Low we town State: NM	Address: 11024 Plains Highway	Project Manager: ( & Leb Pileher	Company Name: Juna No Harbe	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
Sample Condition     CHECKED BY:       Cool     Intact     (Initials)       Yes     Tres     Y.Q.	Received By: Larty. R	Received By: Phone Result:	sasci in contract or tort, shail be invited to the amount part ofe in writing and received by Cardinal within 30 days after ss interruptions, tess of ruse, or loss of profits insurred by c wher such cleim is based upon any of the above stated rec						<u>x</u> ı/2a	# ( GF W/ SC OI SL OI AC	CONT/ ROUN ASTEV DIL L UDGE THER CID/BA E / CO THER	: (SE: )OL	S ER R R	ESERV. SAMPLING	c c	unit サインS Phone #:	State: Zip:	City:	Address:	Zip: Attn: Krice Leher	Company: After the	P.O. #:	BILL TO	40
6	Soher & ARadie Corp. com	□ Yes □ No Add'I Phone #: □ Yes □ No Add'I Fax #:												> 									ANALYSIS REQUEST	

### Page 40 of 54

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



June 22, 2021

JEFFREY BROOM APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS, NM 88240

RE: SESRQ #428

Enclosed are the results of analyses for samples received by the laboratory on 06/18/21 8:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	06/18/2021	Sampling Date:	06/17/2021
Reported:	06/22/2021	Sampling Type:	Soil
Project Name:	SESRQ #428	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

### Sample ID: WSP @ 13' (H211570-01)

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	06/19/2021	ND	2.07	104	2.00	2.02	
Toluene*	<0.050	0.050	06/19/2021	ND	1.96	98.1	2.00	2.55	
Ethylbenzene*	<0.050	0.050	06/19/2021	ND	1.91	95.4	2.00	1.98	
Total Xylenes*	<0.150	0.150	06/19/2021	ND	5.80	96.7	6.00	2.12	
Total BTEX	<0.300	0.300	06/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	64.0	16.0	06/18/2021	ND	400	100	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	06/21/2021	ND	213	106	200	2.07	
DRO >C10-C28*	<10.0	10.0	06/21/2021	ND	205	102	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	06/21/2021	ND					
Surrogate: 1-Chlorooctane	83.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.8	% 38.9-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		JEFFREY BI	ARLAND BLVD.		
		Fax To:	(575) 393-2432		
Received:	06/18/2021			Sampling Date:	06/17/2021
Reported:	06/22/2021			Sampling Type:	Soil
Project Name:	SESRQ #428			Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN				

### Sample ID: WSP NW (H211570-02)

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	06/19/2021	ND	2.07	104	2.00	2.02	
Toluene*	<0.050	0.050	06/19/2021	ND	1.96	98.1	2.00	2.55	
Ethylbenzene*	<0.050	0.050	06/19/2021	ND	1.91	95.4	2.00	1.98	
Total Xylenes*	<0.150	0.150	06/19/2021	ND	5.80	96.7	6.00	2.12	
Total BTEX	<0.300	0.300	06/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	64.0	16.0	06/18/2021	ND	400	100	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	06/21/2021	ND	213	106	200	2.07	
DRO >C10-C28*	<10.0	10.0	06/21/2021	ND	205	102	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	06/21/2021	ND					
Surrogate: 1-Chlorooctane	93.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.4	% 38.9-14	<b>`</b>						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		JEFFREY BI	ARLAND BLVD.		
		Fax To:	(575) 393-2432		
Received:	06/18/2021			Sampling Date:	06/17/2021
Reported:	06/22/2021			Sampling Type:	Soil
Project Name:	SESRQ #428			Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN				

### Sample ID: WSP SW (H211570-03)

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	06/19/2021	ND	2.07	104	2.00	2.02	
Toluene*	<0.050	0.050	06/19/2021	ND	1.96	98.1	2.00	2.55	
Ethylbenzene*	<0.050	0.050	06/19/2021	ND	1.91	95.4	2.00	1.98	
Total Xylenes*	<0.150	0.150	06/19/2021	ND	5.80	96.7	6.00	2.12	
Total BTEX	<0.300	0.300	06/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	48.0	16.0	06/18/2021	ND	400	100	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	06/21/2021	ND	213	106	200	2.07	
DRO >C10-C28*	<10.0	10.0	06/21/2021	ND	205	102	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	06/21/2021	ND					
Surrogate: 1-Chlorooctane	91.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.2	% 38.9-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		APACHE COR	P - HOBBS				
		JEFFREY BROOM					
		2350 W. MAR					
		HOBBS NM, 8	38240				
		Fax To:	(575) 393-2432				
Received:	06/18/2021			Sampling Date:		06/17/2021	
Reported:	06/22/2021			Sampling Type:		Soil	
Project Name:	SESRQ #428			Sampling Condition:		Cool & Intact	
Project Number:	NOT GIVEN			Sample Received By:		Tamara Oldaker	
Project Location:	NONE GIVEN						

### Sample ID: WSP WW (H211570-04)

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	06/19/2021	ND	2.07	104	2.00	2.02	
Toluene*	<0.050	0.050	06/19/2021	ND	1.96	98.1	2.00	2.55	
Ethylbenzene*	<0.050	0.050	06/19/2021	ND	1.91	95.4	2.00	1.98	
Total Xylenes*	<0.150	0.150	06/19/2021	ND	5.80	96.7	6.00	2.12	
Total BTEX	<0.300	0.300	06/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	48.0	16.0	06/18/2021	ND	400	100	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	06/21/2021	ND	213	106	200	2.07	
DRO >C10-C28*	<10.0	10.0	06/21/2021	ND	205	102	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	06/21/2021	ND					
Surrogate: 1-Chlorooctane	92.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.4	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		JEFFREY B	IARLAND BLVD.		
		Fax To:	(575) 393-2432	2	
Received:	06/18/2021			Sampling Date:	06/17/2021
Reported:	06/22/2021			Sampling Type:	Soil
Project Name:	SESRQ #428			Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN				

### Sample ID: WSP EW (H211570-05)

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	06/19/2021	ND	2.12	106	2.00	1.84	
Toluene*	<0.050	0.050	06/19/2021	ND	2.21	110	2.00	5.99	
Ethylbenzene*	<0.050	0.050	06/19/2021	ND	2.13	107	2.00	5.90	
Total Xylenes*	<0.150	0.150	06/19/2021	ND	6.38	106	6.00	5.87	
Total BTEX	<0.300	0.300	06/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 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	48.0	16.0	06/18/2021	ND	400	100	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	06/21/2021	ND	213	106	200	2.07	
DRO >C10-C28*	<10.0	10.0	06/21/2021	ND	205	102	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	06/21/2021	ND					
Surrogate: 1-Chlorooctane	89.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.8	% 38.9-14	2						

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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

## Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL IO		ANALYSIS REQUES!	
			1
P.O. #:			
Company:			
Attn:	•		
Address:			x
City:			
State: Zip:			
Phone #:			
Fax #:			
PRESERV. SAM	PLING	-	
	- <i>PH</i> -X		
CID/BASE:	<u>c/</u> Ex+T		
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tort, shall be limited to the amount pai eceived by Cardinal within 30 days afte	t by the client for the completion of the applicable		E
s interruptions, loss of use, or loss of profits incurred by c ther such cloim is bar ad upon any of the above stated re	lient, its subsidiaries, asons or otherwise.		
MI Kin	Verbal Result:  Verbal Results are emailed.  Please provi	Add'l Phone #: vide Email address:	
NOT BURN	REMARKS:		
X			
Sample Condition CHECKED BY: Cool Intact (Initials)		Bacteria (only) S Cool Intact	
70			
ges. Please email char	nges to celey.keene@cardinallabs	snm.com	
	P.O. #: Attn: Address: City: State: Zip: Phone #: Phone #: Fax #: Preserv Same ACID/BASE: OTHER: DATE OTHER: DATE CHECKED BY: (Initials) ges. Please email char	Project Manager:       Cumpany:         Chr:       Fax #:         Project Name:       Fax #:         Sampler Name:       Fax #:	Time:     X X X C/       Ime:     X X X X X X C/       Image:     X X X X X X X C/       Image:     X X X X X X X X X X X X X X X X X X X

**Released to Imaging: 1/25/2023 9:14:00 AM** 

Page 48 of 54

### Received by OCD: 7/29/2021 9:18:03 AM





### **North Elevation**

### © 179°S (T) ● 32°22'11"N, 103°13'32"W ±19ft ▲ 3468ft



Released to Imaging: 1/25/2023 9:14:00 AM





### South Eunice Seven Rivers Queen 428 1RP-3066 Revegetation And

**Noxious Weed Plan** 

### Revegetation Plan:

All the disturbed area in the pasture will be properly prepared and seeded with NMSLO sandy sites seed mixture. The disturbed area will be monitored to ensure successful revegetation is achieved. If revegetation is not successful after a couple of growing seasons the site will be reseeded.

### **Noxious Weed Plan:**

Apache Corporation will treat noxious weeds if they become established within the area of remediation. Weed control will be maintained on the disturbed land where noxious weeds exist both prior to remediation and restoration. Apache Corporation will consult with the Authorized Officer for acceptable weed control methods.

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	38741
	Action Type:
	[C-141] Release Corrective Action (C-141)

### CONDITIONS

Created By Condition Condition Date None 1/25/2023 amaxwell

Page 54 of 54

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Action 38741