

303 Veterans Airpark Lane Midland, TX 79705

# **Remediation Plan**

December 1, 2021

*Re: Jr. Phillips #8 Case: nAPP2125058409* 

## Background:

On 8/26/2021 a release occurred due to a steel flow line failed. The release (GPS: 32.604069, -103.305276) is located west of Monument, New Mexico in unit letter G section 1 township 20S range 36E. A groundwater survey was conducted utilizing NMOSE wells of record. The nearest well of record suggest the groundwater depth below the release to be 35 feet below ground surface.

On 9/27/2021 through 10/19/2021 vertical delineation was conducted in regular intervals utilizing a backhoe to depths of 2, 16, and 20 feet. All vertical samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Horizontal 5 point surface field samples were collected not exceeding 200 square feet and titrated for chlorides. Laboratory results on the horizontal samples were above table one standards for TPH. On 11/30/2021 further 5-point surface composite samples were collected and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX

## **Remediation Plan:**

Apache Corporation purposes that the area around SP1 be excavated to a depth of 20 feet. The area around SP2 be excavated to a depth of 16 feet. The area around SP3 be excavated to a depth of 2 feet. Final 5 -point bottom and wall samples will be collected not to exceed 200 square feet and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All excavated material (2500 yards) will be hauled to an OCD approved disposal facility. Once laboratory results confirmed table one standard for releases less than 50 feet to groundwater the release area will be backfilled with clean imported caliche and the top four feet with clean imported topsoil to ground surface and contoured to the surrounding area. The disturbed area will be reseeded in accordance with the surface landowner. The remediation will be completed within 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* 

Received by OCD: 12/2/2021 7:25:08 AM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	5.0 10
District RP	
Facility ID	
Application ID	

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# Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>35</u> (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
- 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.

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age 4 Oil Cons	Oil Conservation Divi	ision	District RP	
			Facility ID	
			Application ID	
regulations all operators are re public health or the environm failed to adequately investigat addition, OCD acceptance of and/or regulations.	nation given above is true and complete equired to report and/or file certain relea ent. The acceptance of a C-141 report b te and remediate contamination that pos a C-141 report does not relieve the open	ase notifications and perform by the OCD does not relieve t se a threat to groundwater, sur rator of responsibility for com	corrective actions for rele he operator of liability she face water, human health pliance with any other fee	eases which may endanger ould their operations have or the environment. In
Printed Name: Larry Ba Signature: Larry Ba email: larry.baker@a	iker Baken pachecorp.com	Title: Environm Date: 11/30/20 Telephone: 432-2	ental Tech SR. 21_ 215-2284	
Printed Name: Larry Ba Signature: Larry Ba email: larry.baker@ap OCD Only Received by:	pachecorp.com	Telephone: 432-2	21_ 215-2284	

Received by OCD: 12/2/2021 7:25:08 AM Form C-141 State of New Mexico

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Oil Conservation Division

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Incident ID	
District RP	
Facility ID	
Application ID	

# **Remediation Plan**

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

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

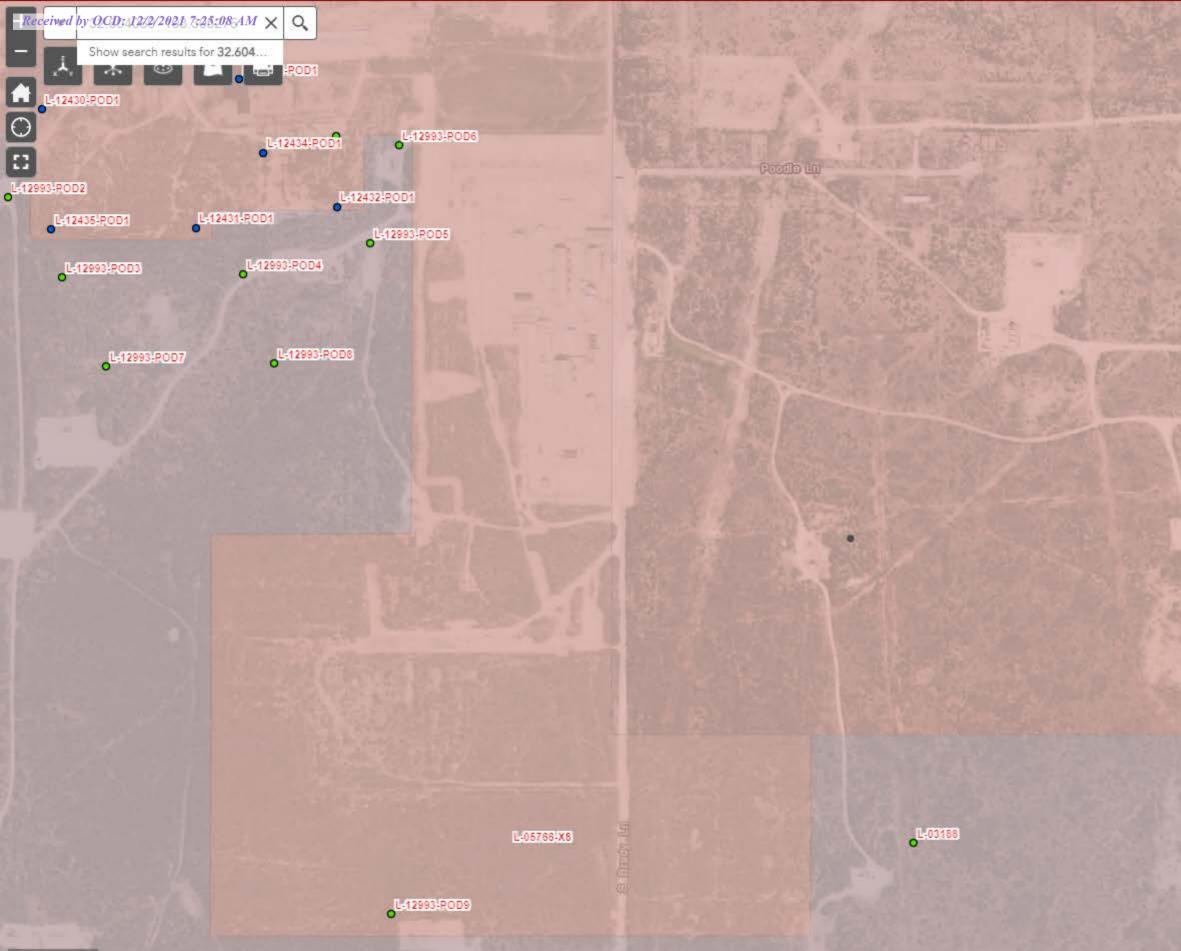
 $\overrightarrow{\Box}$  Estimated volume of material to be remediated

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)

<b>Deferral Requests Only:</b> Each of the following items must be con	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around prodeconstruction.	oduction equipment where remediation could cause a major facility
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 complet rules and regulations all operators are required to report and/or file c which may endanger public health or the environment. The acceptan liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la	ertain release notifications and perform corrective actions for releases nee of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, neceptance of a C-141 report does not relieve the operator of
Printed Name: Larry Baker	Title: Environmental Tech SR.
Printed Name: Larry Baker Signature: Larry Baker email: larry.baker@apachecorp.com	Date: 11/30/2021
<sub>email:</sub> larry.baker@apachecorp.com	Telephone: 432-215-2284
OCD Only	
Received by: Chad Hensley	Date:01/12/2022
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved
Signature: Chad Hend	Date: 01/12/2022

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Released to Imaging: 1/12/2022 8:50:19 AM



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

Well Tag	POD	(quarte	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64 Q16 Q4 Sec Tws Rng					UTM in meters)			
8	L 03	3814		2 2	01	20S	U	659488	3609171* 🍯		
Driller Lice	nse:	208	Driller (	Compan	y:	VA	N NOY,	W.L.			
Driller Nam	e:										
Drill Start D	Date:	09/03/1958	Drill Fin	ish Dat	e:	0	9/04/1958	8 I	Plug Date:		
<b>Log File Date:</b> 09/15/1958		PCW Ro	PCW Rcv Date:					Source:			
Pump Type:	:		Pipe Dis	Pipe Discharge Size:					<b>Estimated Yield:</b>		
Casing Size:	:	6.00	Depth W	ell:		6	) feet	Ι	Depth Water:	40 feet	
	Wate	er Bearing Stratif	ications:	То	рB	otton	Descri	ption			
				5	5	60	Sandst	one/Grave	el/Conglomerate	;	
Casing Perfora		forations:	To	рB	otton	l					
				4	0	60	)				

#### \*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, or suitability for any particular purpose of the data.

11/29/21 3:01 PM

POINT OF DIVERSION SUMMARY



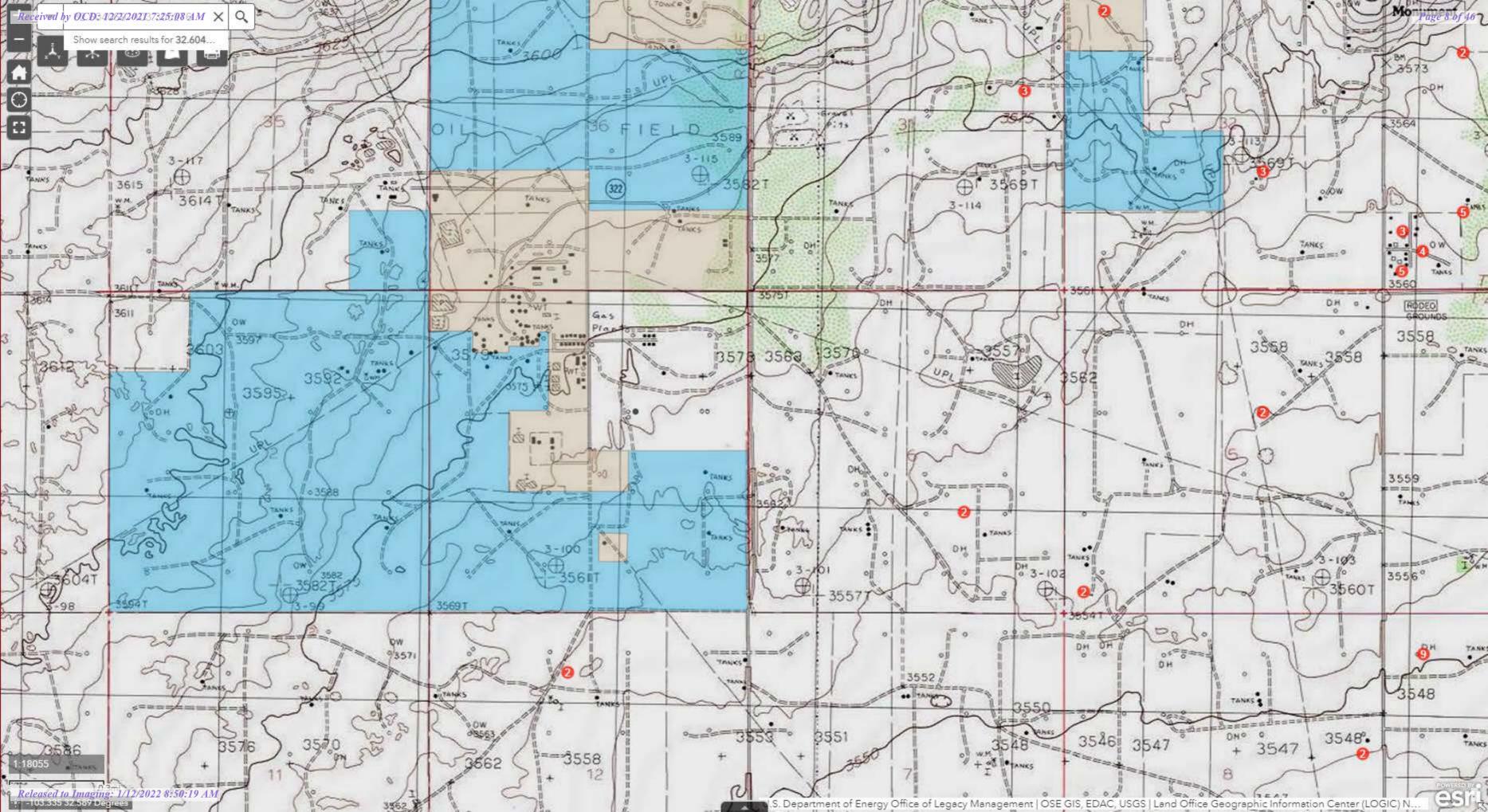
# New Mexico Office of the State Engineer **Point of Diversion Summary**

	<b>) Number</b> 2432 POD1	(quarters are 1=NW (quarters are small <b>Q64 Q16 Q4 S</b> 3 2 1 0	ec Tws Rng	(NAD83 UTM in meters) X Y 658506 3608985	•
Driller License:	225	Driller Company:	RODGERS	& CO., INC.	
Driller Name:	JOHN AGUIRRE				
Drill Start Date:	06/12/2009	<b>Drill Finish Date:</b>	06/12/2009	9 Plug Date:	
Log File Date:	07/13/2009	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Si	ze:	<b>Estimated Yield</b>	:
Casing Size:	4.00	Depth Well:	45 feet	Depth Water:	35 feet
Wat	er Bearing Stratifica	tions: Top 6 36		<b>ption</b> Unknown Unknown	

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, or suitability for any particular purpose of the data.

11/29/21 3:03 PM

POINT OF DIVERSION SUMMARY





Iat 32.604713° Ion -103.306115° elev 3576 ft eye alt 3854 ft

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	Delineation Samples											
Sample	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenz	Total	Total	GRO	DRO	EXT DRO	GPS
Date			Lab			ene	Xylenes	BTEX				Coordinates
												32.6040445,
9/27/2021	SP1	Surface	368	<0.050	<0.050	<0.050	2.79	2.79	313	26,500	8,100	-103.3052805
		2'	720	<0.050	<0.050	<0.050	2.79	2.79	156	1850	314	
		4'	560	<0.050	<0.050	<0.050	8.43	8.43	391	3,060	579	
		6'	1010	<0.050	<0.050	<0.050	1.91	1.91	126	1,150	154	
		8'	512	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.2	<10.0	
		10'	1340	<0.050	<0.050	<0.050	2.52	2.52	167	1,960	359	
		12'	1520	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	109	<10.0	
10/5/2021		14'	1550	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	39.8	<10.0	
		16'	1390	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	36.5	<10.0	
10/19/2021		18'	1500									
		20'	32									
												32.6039448,
9/27/2021	SP2	Surface	832	<0.050	<0.050	<0.050	1.23	1.23	162	11,600	3,730	-103.3052132
		2'	304	<0.050	<0.050	<0.050	3.29	3.29	90	1,160	270	
		4'	544	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		6'	1620	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		8'	944	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	53.4	<10.0	
10/5/2021		10'	1120									
		12'	1170									
		14'	752									
10/19/2021		16'	336									
												32.6038033,
9/27/2021	SP3	Surface	80.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13,500	4,470	-103.3051867
		2'	16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
9/27/2021	H1	Surface	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	60.1	89.9	
	H2	Surface	304	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	130	142	
												32.604021,
11/30/2021	H1	Surface	16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.305378
												32.604041,
	H2	Surface	16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.305122



September 30, 2021

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

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 09/27/21 16:35.

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

Received:	09/27/2021	Sampling Date:	09/27/2021
Reported:	09/30/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 1 @ SURFACE (H212685-01)

BTEX 8021B	mg/	kg	Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2021	ND	1.91	95.3	2.00	6.43	
Toluene*	<0.050	0.050	09/29/2021	ND	1.97	98.5	2.00	3.89	GC-NC
Ethylbenzene*	<0.050	0.050	09/29/2021	ND	1.88	94.2	2.00	3.39	
Total Xylenes*	2.79	0.150	09/29/2021	ND	5.73	95.6	6.00	4.06	GC-NC1
Total BTEX	2.79	0.300	09/29/2021	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	284 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	l By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/28/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	313	100	09/29/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	26500	100	09/29/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	8100	100	09/29/2021	ND					
Surrogate: 1-Chlorooctane	139 %	6 44.3-13	3						
Surrogate: 1-Chlorooctadecane	751 %	6 38.9-14	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:	09/27/2021	Sampling Date:	09/27/2021
Reported:	09/30/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 1 @ 2' (H212685-02)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2021	ND	1.91	95.3	2.00	6.43	
Toluene*	<0.050	0.050	09/28/2021	ND	1.97	98.5	2.00	3.89	GC-NC
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.88	94.2	2.00	3.39	
Total Xylenes*	2.49	0.150	09/28/2021	ND	5.73	95.6	6.00	4.06	GC-NC1
Total BTEX	2.49	0.300	09/28/2021	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	255 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	720	16.0	09/28/2021	ND	432	108	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*	156	50.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	1850	50.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	314	50.0	09/28/2021	ND					
Surrogate: 1-Chlorooctane	99.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	107 9	% 38.9-14	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:	09/27/2021	Sampling Date:	09/27/2021
Reported:	09/30/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 1 @ 4' (H212685-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2021	ND	1.91	95.3	2.00	6.43	
Toluene*	<0.050	0.050	09/29/2021	ND	1.97	98.5	2.00	3.89	GC-NC
Ethylbenzene*	<0.050	0.050	09/29/2021	ND	1.88	94.2	2.00	3.39	
Total Xylenes*	8.43	0.150	09/29/2021	ND	5.73	95.6	6.00	4.06	GC-NC1
Total BTEX	8.43	0.300	09/29/2021	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	456	% 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	560	16.0	09/28/2021	ND	432	108	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*	391	50.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	3060	50.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	579	50.0	09/28/2021	ND					
Surrogate: 1-Chlorooctane	107	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	122	% 38.9-14	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:	09/27/2021	Sampling Date:	09/27/2021
Reported:	09/30/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 1 @ 6' (H212685-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2021	ND	1.91	95.3	2.00	6.43	
Toluene*	<0.050	0.050	09/28/2021	ND	1.97	98.5	2.00	3.89	GC-NC
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.88	94.2	2.00	3.39	
Total Xylenes*	1.91	0.150	09/28/2021	ND	5.73	95.6	6.00	4.06	GC-NC1
Total BTEX	1.91	0.300	09/28/2021	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	213	% 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	1010	16.0	09/28/2021	ND	432	108	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*	126	50.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	1150	50.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	154	50.0	09/28/2021	ND					
Surrogate: 1-Chlorooctane	96.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.9	% 38.9-14	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:	09/27/2021	Sampling Date:	09/27/2021
Reported:	09/30/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 1 @ 8' (H212685-05)

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	09/28/2021	ND	1.91	95.3	2.00	6.43	
Toluene*	<0.050	0.050	09/28/2021	ND	1.97	98.5	2.00	3.89	
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.88	94.2	2.00	3.39	
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.73	95.6	6.00	4.06	
Total BTEX	<0.300	0.300	09/28/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 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	512	16.0	09/28/2021	ND	432	108	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	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	17.2	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2021	ND					
Surrogate: 1-Chlorooctane	83.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.9	% 38.9-14	2						

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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:	09/27/2021	Sampling Date:	09/27/2021
Reported:	09/30/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 1 @ 10' (H212685-06)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	09/28/2021	ND	1.91	95.3	2.00	6.43	
Toluene*	<0.050	0.050	09/28/2021	ND	1.97	98.5	2.00	3.89	GC-NC
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.88	94.2	2.00	3.39	
Total Xylenes*	2.52	0.150	09/28/2021	ND	5.73	95.6	6.00	4.06	GC-NC
Total BTEX	2.52	0.300	09/28/2021	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	251 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	Qualifie
Chloride	1340	16.0	09/28/2021	ND	432	108	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*	167	50.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	1960	50.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	359	50.0	09/28/2021	ND					
Surrogate: 1-Chlorooctane	108 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	116 9	% 38.9-14	2						

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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 09/27/2021 Sampling Date:

Received:	09/27/2021	Sampling Date:	09/27/2021
Reported:	09/30/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 1 @ 12' (H212685-07)

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	09/28/2021	ND	1.91	95.3	2.00	6.43	
Toluene*	<0.050	0.050	09/28/2021	ND	1.97	98.5	2.00	3.89	
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.88	94.2	2.00	3.39	
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.73	95.6	6.00	4.06	
Total BTEX	<0.300	0.300	09/28/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 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	1520	16.0	09/28/2021	ND	432	108	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	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	109	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2021	ND					
Surrogate: 1-Chlorooctane	83.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.5	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Sample Received By:

09/27/2021

Cool & Intact

Tamara Oldaker

Soil

#### Analytical Results For:

	APACHE C	ORP - HOBBS		
	BRUCE BA	KER		
	2350 W. N	1arland Blvd.		
	HOBBS NN	1, 88240		
	Fax To:	(575) 393-2432		
00/27/2021			Sampling Data	
09/27/2021			Sampling Date:	
09/30/2021			Sampling Type:	
J R PHILLIPS #	8		Sampling Condition:	

#### Sample ID: SP 2 @ SURFACE (H212685-08)

NONE GIVEN

MONUMENT, NM

Received:

Reported:

Project Name:

Project Number:

Project Location:

BTEX 8021B	mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/29/2021	ND	1.99	99.7	2.00	2.66	GC-NC
Ethylbenzene*	<0.050	0.050	09/29/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	1.23	0.150	09/29/2021	ND	5.82	97.1	6.00	2.95	GC-NC1
Total BTEX	1.23	0.300	09/29/2021	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	166 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	09/28/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	162	50.0	09/29/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	11600	50.0	09/29/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	3730	50.0	09/29/2021	ND					
Surrogate: 1-Chlorooctane	93.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	368 9	% 38.9-14	2						

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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:	09/27/2021	Sampling Date:	09/27/2021
Reported:	09/30/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 2 @ 2' (H212685-09)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66	GC-NC
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	3.29	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95	GC-NC1
Total BTEX	3.39	0.300	09/28/2021	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	236	% 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	304	16.0	09/28/2021	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*	90.4	10.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	1160	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	270	10.0	09/28/2021	ND					
Surrogate: 1-Chlorooctane	91.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.6	% 38.9-14	2						

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APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432 09/27/2021 Sampling Date:

Received:	09/27/2021	Sampling Date:	09/27/2021
Reported:	09/30/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 2 @ 4' (H212685-10)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95	
Total BTEX	<0.300	0.300	09/28/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	544	16.0	09/28/2021	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	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	<10.0	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2021	ND					
Surrogate: 1-Chlorooctane	83.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.6	% 38.9-14	2						

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

Received:	09/27/2021	Sampling Date:	09/27/2021
Reported:	09/30/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 2 @ 6' (H212685-11)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95	
Total BTEX	<0.300	0.300	09/28/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	1620	16.0	09/28/2021	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	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	<10.0	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2021	ND					
Surrogate: 1-Chlorooctane	79.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.6	% 38.9-14	2						

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APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432 09/27/2021 Sampling Date:

Received:	09/27/2021	Sampling Date:	09/27/2021
Reported:	09/30/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 2 @ 8' (H212685-12)

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	09/28/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95	
Total BTEX	<0.300	0.300	09/28/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	09/28/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	53.4	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2021	ND					
Surrogate: 1-Chlorooctane	76.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	67.5	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	ARLAND BLVD.		
		Fax To:	(575) 393-2432		
Received:	09/27/2021			Sampling Date:	09/27/2021
Reported:	09/30/2021			Sampling Type:	Soil
Project Name:	J R PHILLIPS #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM				

#### Sample ID: SP 3 @ SURFACE (H212685-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/29/2021	ND	1.99	99.7	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/29/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/29/2021	ND	5.82	97.1	6.00	2.95	
Total BTEX	<0.300	0.300	09/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	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	80.0	16.0	09/28/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	13500	50.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	4470	50.0	09/28/2021	ND					
Surrogate: 1-Chlorooctane	82.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	472 9	38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



NONE GIVEN MONUMENT, NM Tamara Oldaker

Sample Received By:

#### Analytical Results For:

	APACHE CO	orp - Hobbs		
	BRUCE BAI	KER		
	2350 W. M	IARLAND BLVD.		
	HOBBS NM	1, 88240		
	Fax To:	(575) 393-2432	2	
09/27/2021			Sampling Date:	09/27/2021
09/30/2021			Sampling Type:	Soil
J R PHILLIPS #8			Sampling Condition:	Cool & Intact

#### Sample ID: SP 3 @ 2' (H212685-14)

Received:

Reported:

Project Name:

Project Number:

Project Location:

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95	
Total BTEX	<0.300	0.300	09/28/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	16.0	16.0	09/28/2021	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	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	<10.0	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2021	ND					
Surrogate: 1-Chlorooctane	85.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.6	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



MONUMENT, NM

#### Analytical Results For:

		APACHE C	orp - Hobbs		
		BRUCE BA	KER		
		2350 W. M	iarland Blvd.		
		HOBBS NM	1, 88240		
		Fax To:	(575) 393-2432		
Received:	09/27/2021			Sampling Date:	09/27/2021
Reported:	09/30/2021			Sampling Type:	Soil
Project Name:	J R PHILLIPS #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker

#### Sample ID: H 1 (H212685-15)

Project Location:

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95	
Total BTEX	<0.300	0.300	09/28/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	320	16.0	09/28/2021	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	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	60.1	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	89.9	10.0	09/28/2021	ND					
Surrogate: 1-Chlorooctane	81.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.7	% 38.9-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BAK	ARLAND BLVD.		
		Fax To:	(575) 393-2432		
Received:	09/27/2021			Sampling Date:	09/27/2021
Reported:	09/30/2021			Sampling Type:	Soil
Project Name:	J R PHILLIPS #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM				

#### Sample ID: H 2 (H212685-16)

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	09/28/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95	
Total BTEX	<0.300	0.300	09/28/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	304	16.0	09/28/2021	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	09/29/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	130	10.0	09/29/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	142	10.0	09/29/2021	ND					
Surrogate: 1-Chlorooctane	86.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.5	% 38.9-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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

Page 101 East Marlance	101 East Marland, Hobbs, NM 88240				
(575) 393-2326 Company Name: 10	(575) 393-2326 FAX (575) 383-2476				
Project Manager: Bruce Bu	Beleen	P.O. #:		ANALYSIS REQUEST	
		Company:			
city: Holdas	State: ULL Zip: 88240	Attn:			
Phone #:		Address:			
Project #:	Project Owner:	City:			
Project Name:		State: Zip:			
Project Location: Jo Phillips	8	#	*		
Sampler Name: Ary Chev	seclarty	Fax #:		•	
FOR LAB USE ONLY	MATRIX	ESERV.	SAMPLING	· · · · · · · · · · · · · · · · · · ·	
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Holalex	G)RAD OR CONTAINE ROUNDW/ VASTEWAT OIL ULL	THER : CID/BASE: COOL THER :	L Ext T	BIEX	
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2 Spl @12'			3:00		
3 SP2 Outree			3:34		
10 Sp2 4'	GIIX	x 9.07	3:36 × × ×		
analyses. All claims including those for negligence and any ot service. In no event shall Cardinal be liable for incidental or co affiliates or successors arising out of or related to the performa	ter cause whatsoever shall be deemed waived unless made in writing an nsequental damages, including without limitation, business interruptions, nce of services hereunder by Cardinal, regardless of whether such claim	virving some use immed to the enrount paid by the citent for the d received by Cardinal within 30 days after completion of the is loss of use, or loss of profils incurred by client, its subsidiaries is based inton any of the above stated teasons are above.	r completion of the applicable lient, its subsidiaries, acone or otherwise		
Kelinquished By:	9-27 Received By:	V11 11V	Verbal Result:  Verbal Result:	Yes No Add'l Phone #: emailed. Please provide Email address:	3
Refinquished By:	Time:	Mann	REMARKS:		×
Delivered By: (Circle One)	Observed Temp. °C 5. / Sample Condition	(Initiale)	Turnaround Time: Sta	Standard X Bacteria (only) Sam	ple Condition
Sampler - UPS - Bus - Other:	5 0		Thermometer ID #113 Correction Factor Notes	Cool Intact	Observed Temp. °C

Page 19 of 20

ADA Esst Masters Inters will be					
101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	3240 2476				
Company Name: Apoche		BILL TO		ANALYSIS REOLIEST	
Project Manager: Bruck Bulle	P.O. #				
Address:	Com	Company:			
City: Hobos State: NU	State: NN Zip: 88240 Attn:				
Phone #: Fax #:		Address:			
Project #: Project Owner:	er: City:				
Project Name:	State:	e: Zip:			
Project Location: Or Anilinos He	Phone #:	ne #:	*		
Sampler Name: Cre Charles welles have	Fax #:	#	•		•
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	G		
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1642	G I X		3:48 × × ×		
Damages. Cardir those for neglige dinal be liable for out of or related	Tai's liability and client's exclusive remedy for any claim arising whethar based in contract or tort, shall be limited to the amount paid by the client for the nce and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the incidental or consequental damages, including withut limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries to the performance of services hereinder to cordinal concretees of whother encoder is hereinder by the client is subsidiaries to the performance of services hereinder to cordinal concretees of whother encoder is hereinder by the client is subsidiaries to the performance of services hereinder to cordinal concretees of whother encoder is hereinder by the client is the client and the service of the service is the client of the service o	all be limited to the amount paid by the client for the by Cardinal within 30 days after completion of the a or loss of profits incurred by client, its subsidiaries,	client for the letion of the applicable s subsidiaries,		
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Reinfausshed By: USO Re WW Date: Date:	Received By: 10 (1)	Watyn REN			
Time:					
Delivered By:     (Circle One)     Observed Temp. °C       Sampler - UPS     Bus     Other:     Corrected Temp. °C	Sample Condition	CHECKED BY: Turn (Initials)	Turnaround Time: Standard Rush Thermometer ID #113	Bacteria (only) S Cool Intact	ample Condition Observed Temp. °C

Received by OCD: 12/2/2021 7:25:08 AM

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Released to Imaging: 1/12/2022 8:50:19 AM



October 07, 2021

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

HOBBS, NM 88240

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 10/05/21 16:55.

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

Received:	10/05/2021	Sampling Date:	10/04/2021
Reported:	10/07/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 1 @ 14' (H212768-01)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2021	ND	2.00	100	2.00	8.24	
Toluene*	<0.050	0.050	10/06/2021	ND	1.96	97.8	2.00	8.69	
Ethylbenzene*	<0.050	0.050	10/06/2021	ND	1.92	96.2	2.00	8.30	
Total Xylenes*	<0.150	0.150	10/06/2021	ND	5.86	97.6	6.00	7.65	
Total BTEX	<0.300	0.300	10/06/2021	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	1550	16.0	10/06/2021	ND	432	108	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2021	ND	191	95.4	200	1.90	
DRO >C10-C28*	39.8	10.0	10/06/2021	ND	218	109	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	10/06/2021	ND					
Surrogate: 1-Chlorooctane	86.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.4	% 38.9-14	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:	10/05/2021	Sampling Date:	10/04/2021
Reported:	10/07/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 1 @ 16' (H212768-02)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2021	ND	2.00	100	2.00	8.24	
Toluene*	<0.050	0.050	10/06/2021	ND	1.96	97.8	2.00	8.69	
Ethylbenzene*	<0.050	0.050	10/06/2021	ND	1.92	96.2	2.00	8.30	
Total Xylenes*	<0.150	0.150	10/06/2021	ND	5.86	97.6	6.00	7.65	
Total BTEX	<0.300	0.300	10/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	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	1390	16.0	10/06/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2021	ND	191	95.4	200	1.90	
DRO >C10-C28*	36.5	10.0	10/06/2021	ND	218	109	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	10/06/2021	ND					
Surrogate: 1-Chlorooctane	88.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.0	% 38.9-14	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:	10/05/2021	Sampling Date:	10/04/2021
Reported:	10/07/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 2 @ 10' (H212768-03)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	10/06/2021	ND	432	108	400	0.00	

#### Sample ID: SP 2 @ 12' (H212768-04)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	10/06/2021	ND	432	108	400	0.00	

#### Sample ID: SP 2 @ 14' (H212768-05)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	10/06/2021	ND	432	108	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

Relinquished By:       Date:       Sample Condition       CHECKED BY:       Verbal Result:       Yes       No       No	d 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 g 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 explicat running be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incidential to complete incidentials, and the subsidiaries, and the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above steled reasers or or otherwise.	288 @14' 61 61 X 1 1014 1	CONTAINERS GROUNDWATER WASTEWATER X SOIL OIL SLUDGE OTHER : ACID/BASE: ICEY COOL OTHER :	AP MATRIX	I VA Phillips #8	Project #: Project Owner: City: Project Name: State: Zin.	Fax #:	city: HUDDS state: NMZip: & 240 Attn:	Com Com	BILL TO	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	Laboratories
Add'I Phone #: de Email address: de Email address: Address: Address: Cool Intact Observed Temp. °C No Corrected Temp. °C					•					ANALYSIS REQUEST		

Received by OCD: 12/2/2021 7:25:08 AM

Released to Imaging: 1/12/2022 8:50:19 AM

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Page 6 of 6



October 22, 2021

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

HOBBS, NM 88240

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 10/19/21 16:40.

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

Received:	10/19/2021	Sampling Date:	10/19/2021
Reported:	10/22/2021	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

#### Sample ID: SP 1 @ 18' (H212940-01)

Chloride, SM4500Cl-B	4500Cl-B mg/kg			Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	10/21/2021	ND	416	104	400	3.92	

#### Sample ID: SP 1 @ 20' (H212940-02)

Chloride, SM4500Cl-B	Analyzed By: GM								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/21/2021	ND	416	104	400	3.92	

#### Sample ID: SP 2 @ 16'; (H212940-03)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/21/2021	ND	416	104	400	3.92	

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST         BILL TO       ANALYSIS REQUEST         Company: State:       Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Co	cle One) Observe tus - Other: Correct	Sample I.D. Sample I.D. Solutions labelly and clareft's available memody for ony clare marking whether traded in the memody and resonant of the labelly of charlan white and resonant of the should and the demand whether the clareft with the labelly and clareft's available memody. The second is and the demand whether the clareft with the labelly and clareft's available memody. The second is and the demand whether the clareft with the labelly and clareft's available memody. The second is and the demand whether the clareft with the labelly and clareft's available memody. The second is and the demand whether the clareft is the second is and the demand whether the clareft is the second is and the demand whether the clareft is the second is and the demand whether the clareft is the second is and the demand whether the clareft is the second is and the demand whether the clareft is the second is and the demand whether the clareft is the second is and the demand whether the clareft is the second is and the demand whether the clareft is the second is and the demand whether the clareft is the second is and the demand whether the clareft is the second is and the second whether the clareft is the second is and the second whether the clareft is the second	Interster Project Manager: Double Company Name: Dou
	Verbal Result:       Yes       No       Add'I Phone         ull Results are emailed:       Please provide Email add         REMARKS:       Standard       Bacte         remometer ID       #113       Cool         remometer ID       #113       Cool         remometer ID       #113       No         remometer ID       #113       No		CHAIN-OF-CUSTODY AND

# Received by OCD: 12/2/2021 7:25:08 AM

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December 01, 2021

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

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 11/30/21 16:45.

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 <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



MONUMENT, NM

#### Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432 11/30/2021 Sampling Date: 11/30/2021 Reported: 12/01/2021 Sampling Type: Soil Project Name: **J R PHILLIPS #8** Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

#### Sample ID: H 1 (H213419-01)

Project Location:

Received:

BTEX 8021B	mg/	kg	Analyze	d By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie	
Benzene*	<0.050	0.050	12/01/2021	ND	2.05	102	2.00	8.25		
Toluene*	<0.050	0.050	12/01/2021	ND	2.03	101	2.00	11.0		
Ethylbenzene*	<0.050	0.050	12/01/2021	ND	1.99	99.7	2.00	11.6		
Total Xylenes*	<0.150 0.150		12/01/2021	ND	6.02	100	6.00	10.5		
Total BTEX	<0.300	0.300	12/01/2021	ND						
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 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	16.0	16.0	12/01/2021	ND	432	108	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		12/01/2021	ND	200	99.8	200	5.26		
DRO >C10-C28*	<10.0	10.0	12/01/2021	12/01/2021 ND		103	200	3.62		
EXT DRO >C28-C36	<10.0 10.0		12/01/2021	ND						
Surrogate: 1-Chlorooctane	85.4	44.3-13	3							
Surrogate: 1-Chlorooctadecane	83.8	% 38.9-14	2							

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BAH	ARLAND BLVD.		
		Fax To:	(575) 393-2432		
Received:	11/30/2021			Sampling Date:	11/30/2021
Reported:	12/01/2021			Sampling Type:	Soil
Project Name:	J R PHILLIPS #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM				

#### Sample ID: H 2 (H213419-02)

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	12/01/2021	ND	2.05	102	2.00	8.25	
Toluene*	<0.050	0.050	12/01/2021	ND	2.03	101	2.00	11.0	
Ethylbenzene*	<0.050	0.050	12/01/2021	ND	1.99	99.7	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/01/2021	ND	6.02	100	6.00	10.5	
Total BTEX	<0.300 0.300 12		12/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 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	16.0	16.0	12/01/2021	ND	432	108	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*	0 C6-C10* <10.0 10.0 12/0		12/01/2021	ND	200	99.8	200	5.26	
ORO >C10-C28* <10.0		10.0	12/01/2021	ND	205	103	200	3.62	
EXT DRO >C28-C36	DRO >C28-C36 <10.0 10.0		12/01/2021	ND					
Surrogate: 1-Chlorooctane	90.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.2	% 38.9-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# Received by OCD: 12/2/2021 7:25:08 AM

Image:       Project Name:       Charles       Marce         Project Name:       Project Name:       Project Name:       Project Name:         Project Name:       Project Name:       Project Name:       Project Name:       Project Name:         Project Name:       Nample I.D.       Sample Name:       Project Name:       Project Name:       Project Name:         Lab D.D.       Sample Name:       Project Name:       Project Name:       Project Name:       Project Name:         Lab D.D.       Sample Name:       Project Name:       Project Name:       Project Name:       Projec		Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Rélinquished By: Ulle	analyses. All claims including those for negligence and any or service. In no event shall Cardinal be liable for incidental or or affiliates or successors arising out of or related to the perform [Selinquished, By: ]	PLEASE NOTE: Liability and Damages. Cardinal's liability and		242	1441	PHE HEH	Lab I.D. Sample I.D.	FOR LAB USE ONLY	Sampler Name: Jee, Church	Project Location: Jr Phil	Project Name:	Project #:	Phone #:	city: Hobles	Address:	17	Company Name: ADUCING	101 East Marlanc (575) 393-2326	Labora	
Internot inter		1 Q. Q.	Si	Ther cues whatsoever shall be deemed waived unless made in wr consequental damages, including without limitation, business interru- nance of services hereunder by Cardinal, regardless of whether sur- nance of services hereunder by Cardinal, regardless of whether sur- nance of services hereunder by Cardinal, regardless of whether sur- nance of services hereunder by Cardinal, regardless of whether sur- nance of services hereunder by Cardinal, regardless of whether sur- nance of services here with the service of services of the service of services of serv	nd client's exclusive remedy for any claim arising whether based in c		Ci		# CON GROU WAST SOIL	B OR (C)OM ITAINERS	_	right, JCz	AH SHI		Project Owner:				her		101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	oratories	INNI
ANALYSIS REQUEST         ANALYSIS REQUEST         ANALYSIS REQUEST         Imme       ANALYSIS         Imme       ANALYSIS REQUEST         Imme       ANALYSIS REQUEST         Imme       ANALYSIS         Imme       ANALYSIS         Imme       ANALYSIS         Imme       ANALYSIS<	changes. Please email char		la fa	ting and received by Cardinal within 30 days after ptions, loss of use, or loss of profits incurred by c h claim is based upon any of the above stated re-	contract or tort, shall be limited to the amount paid			11-30	SLUDO OTHEI ACID/E ICE/C OTHEI	R : BASE: COOL	PRESERV.	Fax #:	Phone #:		City:	Address:	Attn:	Company:	P.O. #:	BILL TO		2	
	nges to celey.keene@cardinallabsnm.com	e: Standard D Bacteria (only) S Rush Cool Intact #113 U Cool Intact 0.5°C U No No	All Results are emailed. Please provide Email address: REMARKS:	Client, its subsidiaries, sasons or otherwise, Verbal Result: Ves No Add'I Phone #:	id by the client for the		*		C, Eț	1 t-tpH Ter												CHAIN-OF-CUSTODY AND ANALYSIS RE	

Released to Imaging: 1/12/2022 8:50:19 AM

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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	64643
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

#### Created By Condition chensley None

CONDITIONS

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Action 64643

Condition Date 1/12/2022