



303 Veterans Airpark Lane Midland, TX 79705

## **Closure Report**

August 18, 2022

Re: Elliot B9 Disposal  
Case nAPP2206827379

On 2/22/2022 a release occurred due a 6 -inch water injection line failed. The release (GPS: 32.41421, -103.19460) is located south of Eunice, New Mexico in unit letter P section 6 township 22S range 37E. A groundwater survey was conducted utilizing NMOSE wells of record. The nearest well suggest groundwater beneath the release to be 73 feet. A remediation plan was submitted an approved by OCD with stipulations on 5/31/2022.

On 6/20/2022 5-point surface composite samples were collected in the release area not exceeding 400 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All Laboratory results were below table one standards for releases 51-100 feet to groundwater. Since no excavation was conducted the horizontal samples from the delineation phase will be utilized to demonstrate the horizontal extent.

Apache Corporation has demonstrated that the contamination from the release is below table one standards for releases 51-100 feet and respectfully requests closure of event #nAPP2206827379.

Enclosed: C-141, Emails, Maps, Sample Data, Laboratory Results, and Photos

Submitted by.

*Larry Baker*

**Environmental Technician Sr. Staff**

[larry.baker@apachecorp.com](mailto:larry.baker@apachecorp.com)

**Cell# 432-215-2284**

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.

**Closure Report Attachment Checklist: 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
- 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)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- 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. Staff  
 Signature: *Larry Baker* Date: 8/18/2022  
 email: larry.baker@apachecorp.com Telephone: 432-215-2284

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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: *Jennifer Nobui* Date: 08/23/2022  
 Printed Name: Jennifer Nobui Title: Environmental Specialist A

**From:** [Baker, Larry](#)  
**To:** [jennifer.nobui@state.nm.us](mailto:jennifer.nobui@state.nm.us)  
**Subject:** FW: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 108813  
**Date:** Thursday, June 16, 2022 3:32:00 PM

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Ms. Nobui,

Apache Corporation will be conducting final sampling not exceeding 400 square feet on Monday 6/20/2022 at 9:00 am MST. Please let me know if you have any questions or wish to discuss. Thanks and have a good day.

**BRUCE BAKER**

ENVIRONMENTAL TECHNICIAN SR STAFF

direct 432-818-1654 | Cell 432-215-2284

APACHE CORPORATION

303 Veterans Airpark Lane  
Midland, TX 79705

[ApacheCorp.com](http://ApacheCorp.com) | [LinkedIn](#) | [Facebook](#) | [Twitter](#) | [StockTwits](#) | [YouTube](#)

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**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>  
**Sent:** Tuesday, May 31, 2022 3:32 PM  
**To:** Baker, Larry <Larry.Baker@apachecorp.com>  
**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 108813

To whom it may concern (c/o Larry Baker for APACHE CORPORATION),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2206827379, with the following conditions:

- **Remediation Plan Approved with Conditions. Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than four hundred (400) square feet.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,  
Jennifer Nobui  
Environmental Specialist-Advanced  
505-476-3441  
[Jennifer.Nobui@state.nm.us](mailto:Jennifer.Nobui@state.nm.us)

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

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B1

B2

B3

B4

B5

B6

B7

B8

B9

B10

H2

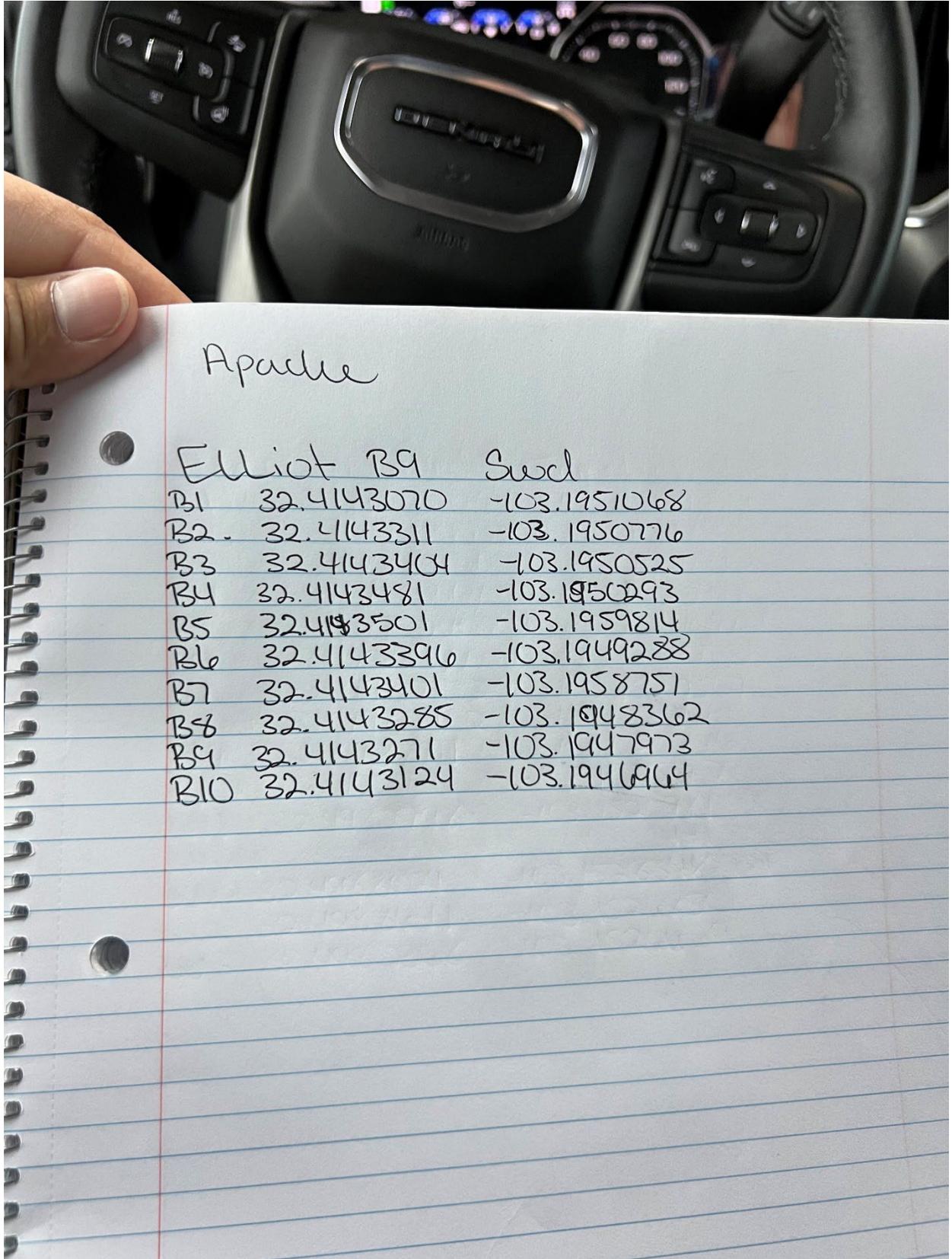
H1

H3

H4

50 ft





Apache

	Elliot B9	Swd
B1	32.4143070	-103.1951068
B2	32.4143311	-103.1950776
B3	32.4143404	-103.1950525
B4	32.4143481	-103.1950293
B5	32.4143501	-103.1959814
B6	32.4143396	-103.1949288
B7	32.4143401	-103.1958751
B8	32.4143285	-103.1948362
B9	32.4143271	-103.1947973
B10	32.4143124	-103.1946964

## Final Samples

Sample Date	Sample ID	Depth	Chloride Lab	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
6/20/2022	B1	S	4,440	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4143070, -103.1950776
6/20/2022	B2	S	3,440	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4143311, -103.1950776
6/20/2022	B3	S	2720	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	332	160	32.4143404, -103.1950525
6/20/2022	B4	S	4160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	404	139	32.4143481, -103.1950293
6/20/2022	B5	S	3440.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.5	<10.0	32.4143501, -103.1959814
6/20/2022	B6	S	5760	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4143396, -103.1949288
6/20/2022	B7	S	2060	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4143401, -103.1958751
6/20/2022	B8	S	768	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4143285, -103.1948362
6/20/2022	B9	S	1220	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4143271, -103.1947973
6/20/2022	B10	S	1490	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4143124, -103.1946964
3/2/2022	H1	S	704	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4142279, -103.194871
3/2/2022	H2	S	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.414407, -103.195014
3/2/2022	H3	S	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.414333, -103.194736
4/14/2022	H4	S	336	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.414084, -103.194893



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

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June 24, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: ELLIOT B9 SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/20/22 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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: B 1 (H222633-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4440	16.0	06/21/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	179	89.6	200	3.38	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	182	91.2	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 72.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.3 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: B 2 (H222633-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.848	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	100	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.95	97.5	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.79	96.5	6.00	0.950	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	06/21/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	179	89.6	200	3.38	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	91.2	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 67.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.2 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: B 3 (H222633-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2022	ND	1.93	96.7	2.00	0.848	
Toluene*	<0.050	0.050	06/23/2022	ND	2.00	100	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	1.95	97.5	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	5.79	96.5	6.00	0.950	
Total BTEX	<0.300	0.300	06/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2720</b>	16.0	06/21/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	179	89.6	200	3.38	
<b>DRO &gt;C10-C28*</b>	<b>332</b>	10.0	06/22/2022	ND	182	91.2	200	5.35	
<b>EXT DRO &gt;C28-C36</b>	<b>160</b>	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 69.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: B 4 (H222633-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2022	ND	1.93	96.7	2.00	0.848	
Toluene*	<0.050	0.050	06/23/2022	ND	2.00	100	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/23/2022	ND	1.95	97.5	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/23/2022	ND	5.79	96.5	6.00	0.950	
Total BTEX	<0.300	0.300	06/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>4160</b>	16.0	06/21/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	179	89.6	200	3.38	
<b>DRO &gt;C10-C28*</b>	<b>404</b>	10.0	06/22/2022	ND	182	91.2	200	5.35	
<b>EXT DRO &gt;C28-C36</b>	<b>139</b>	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 69.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: B 5 (H222633-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.848	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	100	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.95	97.5	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.79	96.5	6.00	0.950	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>3440</b>	16.0	06/21/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	179	89.6	200	3.38	
<b>DRO &gt;C10-C28*</b>	<b>12.5</b>	10.0	06/23/2022	ND	182	91.2	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 73.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.1 % 59.5-142

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: B 6 (H222633-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.848	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	100	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.95	97.5	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.79	96.5	6.00	0.950	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	06/21/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	179	89.6	200	3.38	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	91.2	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 69.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: B 7 (H222633-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.848	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	100	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.95	97.5	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.79	96.5	6.00	0.950	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2060	16.0	06/21/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	179	89.6	200	3.38	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	91.2	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 68.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: B 8 (H222633-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.848	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	100	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.95	97.5	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.79	96.5	6.00	0.950	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	06/21/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	179	89.6	200	3.38	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	182	91.2	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 68.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: B 9 (H222633-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.848	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	100	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.95	97.5	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.79	96.5	6.00	0.950	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	06/21/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	179	89.6	200	3.38	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	91.2	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 69.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/24/2022	Sampling Type:	Soil
Project Name:	ELLIOT B9 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: B 10 (H222633-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.848	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	100	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.95	97.5	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.79	96.5	6.00	0.950	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	06/21/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	179	89.6	200	3.38	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	91.2	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 68.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <b>Apex</b> Project Manager: <b>Brice B.</b>		P.O. #: Company: Attn: Address: City: State:      Zip:	
Address: City: <b>Hobbs</b> State:      Zip: Phone #:      Fax #: Project #:      Project Owner:		Project Name: Project Location: <b>Exit B9 Suct.</b> Sampler Name: <b>Joe Cassady</b>	
FOR LAB USE ONLY Lab I.D.      Sample I.D.		BILL TO      ANALYSIS REQUEST	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		(G)RAB OR (COM)P # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE/COOL OTHER:	
Reinquished By: <b>Joe Cassady</b> Date: <b>8/18/22</b>		Received By: <b>Joe Cassady</b> Date: <b>8/18/22</b>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		CHECKED BY: (Initials) Turnaround Time:	
Observed Temp. °C: <b>6.1</b> Corrected Temp. °C: <b>5.6</b>		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No      Add'l Phone #: All Results are emailed. Please provide Email address:	
Sample Condition: Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush		REMARKS: <b>Joe, Brice, Cass</b>	
Corrected Temp. °C: <b>5.6</b> Bacteria (only) Sample Condition: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush		Thermometer ID #113 Correction Factor -0.5°C	
Corrected Temp. °C:		Corrected Temp. °C:	



**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 135666

**CONDITIONS**

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 135666
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	8/23/2022