



303 Veterans Airpark Lane Midland, TX 79705

Closure Report

April 11, 2023

Re: NEDU Trunk Line
Case nAPP2226350546

On 9/12/2022 a release occurred due to a fiberglass line failed. The release (GPS: 32.503281, -103.15327) is located north of Eunice, New Mexico in unit letter N section 3 township 21S range 37E. A groundwater survey was conducted utilizing NMOSE wells of record. The nearest well suggest groundwater beneath the release to be 45 feet. A remediation plan was submitted an approved by OCD on 1/11/2023.

The release area was excavated in accordance with the approved remediation plan. Beginning on 3/22/2023 through 3/27/2023 final 5-point composite samples were collected not to exceed 400 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory analysis confirmed that all samples were below table one standards for releases less than 50 feet to groundwater. All excavated soil was hauled to an OCD approved disposal facility. The pasture was backfilled with clean imported topsoil to ground surface and contoured to the surrounding area. The lease pad was backfilled with clean imported caliche to restore the pad. The pasture disturbed area will be reseeded in accordance with the surface owner guidelines.

Apache Corporation has completed the remediation to below table one standards and respectfully request that the event nAPP2226350546 be closed.

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

Submitted by.

Larry Baker

Environmental Technician Sr. Staff

larry.baker@apachecorp.com

Cell# 432-250-8384

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: 4/13/2023

email: larry.baker@apachecorp.com

Telephone: 432-818-1654

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: 05/15/2023

Printed Name: Jennifer Nobui

Title: Environmental Specialist A

From: [Nobui, Jennifer, EMNRD](#)
To: [Baker, Larry](#)
Cc: [Bratcher, Michael, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 166838
Date: Monday, March 20, 2023 12:24:15 PM

Hello Larry

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Baker, Larry <Larry.Baker@apachecorp.com>
Sent: Monday, March 20, 2023 11:07 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 166838

Ms. Nobui,

Apache Corporation will begin collecting final samples for the NEDU Trunkline (nAPP2226350546) on Wednesday 12/23/2023 at 12:00 pm 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 432-250-8384

APACHE CORPORATION

303 Veterans Airpark Lane
Midland, TX 79705

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From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, January 11, 2023 11:24 AM
To: Baker, Larry <Larry.Baker@apachecorp.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 166838

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#) nAPP2226350546, with the following conditions:

- **Remediation Plan Approved with Conditions. Variance approved for confirmation soil sample collection at 400 ft2.**

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.

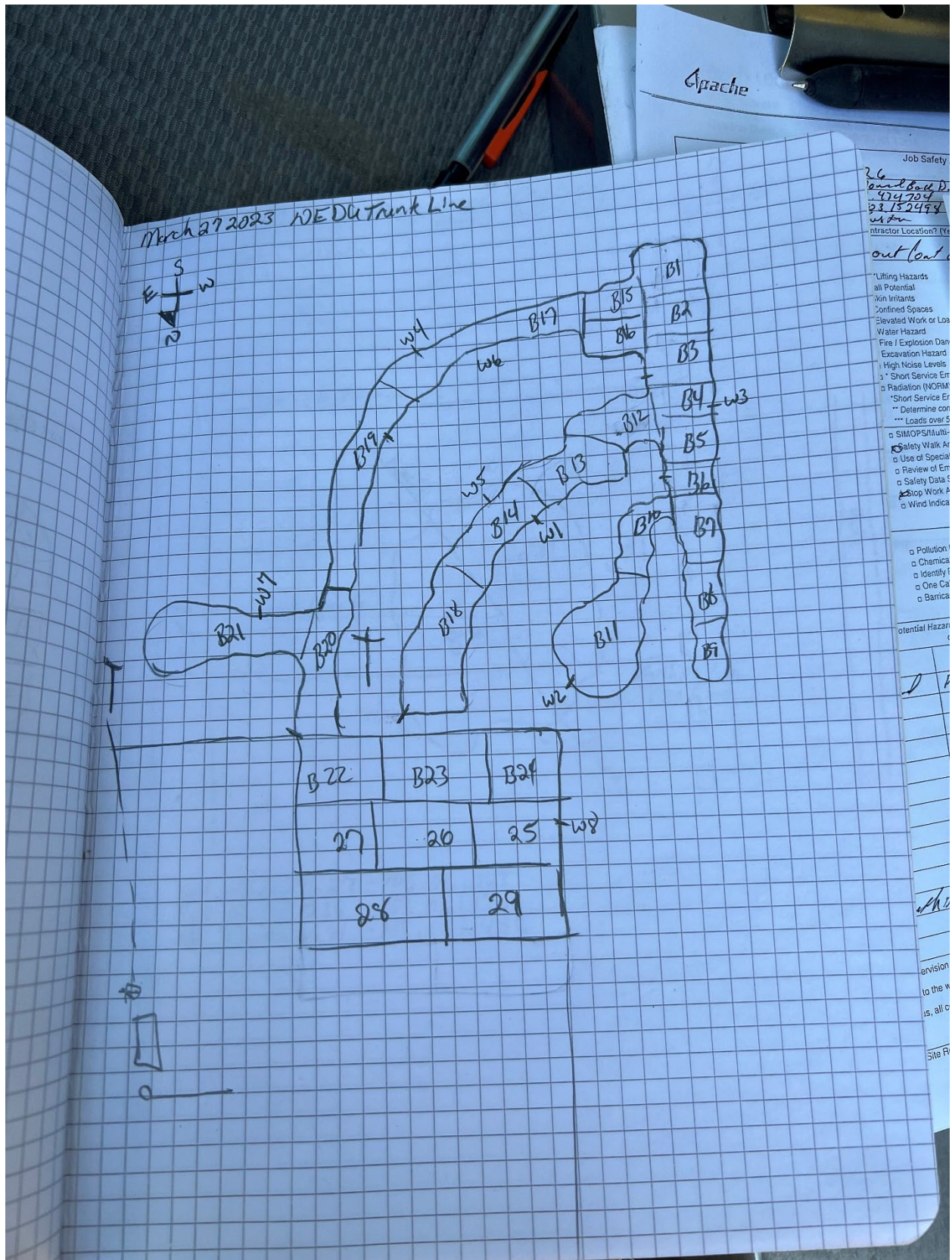
Thank you,
Jennifer Nobui
Environmental Specialist-Advanced
505-470-3407
Jennifer.Nobui@emnrd.nm.gov

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

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March 27, 2023 NEDU Trunk Line

March 27, 2023 Apache NEDU Trunk Line GPS points

- | | |
|------------------------------|------------------------------|
| 81) 32.5031270 - 103.1532821 | 28) 32.5039193 - 103.1527899 |
| 2) 32.5031935 - 103.1532804 | 29) 32.5039332 - 103.1528875 |
| 3) 32.5032662 - 103.1532878 | 30) 32.5035557 - 103.1530645 |
| 4) 32.5033185 - 103.1532824 | 2) 32.5037214 - 103.1531557 |
| 5) 32.5033795 - 103.1532861 | 3) 32.5033698 - 103.1532099 |
| 6) 32.5034474 - 103.1532858 | 4) 32.5033009 - 103.1530752 |
| 7) 32.5035153 - 103.1532731 | 5) 32.5035286 - 103.1530659 |
| 8) 32.5036162 - 103.1532684 | 6) 32.5033566 - 103.1530397 |
| 9) 32.5037058 - 103.1532657 | 7) 32.5037231 - 103.1527302 |
| 10) 32.5036383 - 103.1531983 | 8) 32.5038902 - 103.1529582 |
| 11) 32.5037005 - 103.1531758 | |
| 12) 32.5034401 - 103.1531946 | |
| 13) 32.5035221 - 103.1531832 | |
| 14) 32.5035167 - 103.1530950 | |
| 15) 32.5032195 - 103.1532060 | |
| 16) 32.5032919 - 103.1531990 | |
| 17) 32.5033620 - 103.1530209 | |
| 18) 32.5036982 - 103.1530102 | |
| 19) 32.5035370 - 103.1528754 | |
| 20) 32.5037254 - 103.1527638 | |
| 21) 32.5037406 - 103.1526572 | |
| 22) 32.5038249 - 103.1528037 | |
| 23) 32.5038370 - 103.1528707 | |
| 24) 32.5038379 - 103.1529220 | |
| 25) 32.5038927 - 103.1529096 | |
| 26) 32.5038905 - 103.1529489 | |
| 27) 32.5038885 - 103.1527903 | |

Final Samples

Sample Date	Sample ID	Depth	Chloride Lab	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO
3/22/2023	B1	2'	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B2	2'	272	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B3	2'	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B4	2'	96	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.5	164
	B5	2'	112	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.8	<10.0
	B6	2'	416	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B7	2'	432	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B8	1'	112	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B9	1'	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B10	1'	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B11	1'	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B12	2'	336	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B13	3'	256	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B14	3'	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B15	2'	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B16	2'	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B17	2'	144	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
3/23/2023	B18	3'	144	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
3/24/2023	B19	2'	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B20	2'	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B21	2'	192	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
3/27/2023	B22	1'	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B23	1'	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B24	1'	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B25	1'	96	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B26	1'	64	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B27	1'	64	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B28	1'	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	B29	1'	96	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
3/23/2023	W1	0-3'	192	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	W2	0-2'	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0

	W3	0-2'	176	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	W4	0-2'	112	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	W5	0-3'	64	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
3/24/2023	W6	0-2'	176	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
	W7	0-2'	224	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
3/27/2023	W8	0-2'	64	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0



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

March 28, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE

Enclosed are the results of analyses for samples received by the laboratory on 03/22/23 16:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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.

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 with a large, stylized 'C' and 'K'.

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:	03/22/2023	Sampling Date:	03/22/2023
Reported:	03/28/2023	Sampling Type:	Soil
Project Name:	NEDU TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE NM		

Sample ID: B 1 @ 2' (H231326-01)

BTX 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	03/25/2023	ND	2.06	103	2.00	7.06	
Toluene*	<0.050	0.050	03/25/2023	ND	2.13	106	2.00	8.27	
Ethylbenzene*	<0.050	0.050	03/25/2023	ND	2.11	106	2.00	6.57	
Total Xylenes*	<0.150	0.150	03/25/2023	ND	6.37	106	6.00	5.18	
Total BTX	<0.300	0.300	03/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/25/2023	ND	182	90.8	200	32.9	
DRO >C10-C28*	<10.0	10.0	03/25/2023	ND	172	86.1	200	36.2	
EXT DRO >C28-C36	<10.0	10.0	03/25/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 2 @ 2' (H231326-02)

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	03/25/2023	ND	2.06	103	2.00	7.06	
Toluene*	<0.050	0.050	03/25/2023	ND	2.13	106	2.00	8.27	
Ethylbenzene*	<0.050	0.050	03/25/2023	ND	2.11	106	2.00	6.57	
Total Xylenes*	<0.150	0.150	03/25/2023	ND	6.37	106	6.00	5.18	
Total BTEX	<0.300	0.300	03/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/27/2023	ND	432	108	400	0.00	

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	03/25/2023	ND	182	90.8	200	32.9	
DRO >C10-C28*	<10.0	10.0	03/25/2023	ND	172	86.1	200	36.2	
EXT DRO >C28-C36	<10.0	10.0	03/25/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

Cardinal Laboratories

*=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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 3 @ 2' (H231326-03)

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	03/25/2023	ND	2.06	103	2.00	7.06	
Toluene*	<0.050	0.050	03/25/2023	ND	2.13	106	2.00	8.27	
Ethylbenzene*	<0.050	0.050	03/25/2023	ND	2.11	106	2.00	6.57	
Total Xylenes*	<0.150	0.150	03/25/2023	ND	6.37	106	6.00	5.18	
Total BTEx	<0.300	0.300	03/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 70.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

Cardinal Laboratories

*=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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 4 @ 2' (H231326-04)

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	03/25/2023	ND	2.06	103	2.00	7.06	
Toluene*	<0.050	0.050	03/25/2023	ND	2.13	106	2.00	8.27	
Ethylbenzene*	<0.050	0.050	03/25/2023	ND	2.11	106	2.00	6.57	
Total Xylenes*	<0.150	0.150	03/25/2023	ND	6.37	106	6.00	5.18	
Total BTEX	<0.300	0.300	03/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/27/2023	ND	432	108	400	0.00	

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	14.5	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 5 @ 2' (H231326-05)

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	03/25/2023	ND	2.06	103	2.00	7.06	
Toluene*	<0.050	0.050	03/25/2023	ND	2.13	106	2.00	8.27	
Ethylbenzene*	<0.050	0.050	03/25/2023	ND	2.11	106	2.00	6.57	
Total Xylenes*	<0.150	0.150	03/25/2023	ND	6.37	106	6.00	5.18	
Total BTEX	<0.300	0.300	03/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/27/2023	ND	432	108	400	0.00	

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	12.8	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 6 @ 2' (H231326-06)

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	03/25/2023	ND	2.06	103	2.00	7.06	
Toluene*	<0.050	0.050	03/25/2023	ND	2.13	106	2.00	8.27	
Ethylbenzene*	<0.050	0.050	03/25/2023	ND	2.11	106	2.00	6.57	
Total Xylenes*	<0.150	0.150	03/25/2023	ND	6.37	106	6.00	5.18	
Total BTEX	<0.300	0.300	03/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 7 @ 2' (H231326-07)

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	03/25/2023	ND	2.06	103	2.00	7.06		
Toluene*	<0.050	0.050	03/25/2023	ND	2.13	106	2.00	8.27		
Ethylbenzene*	<0.050	0.050	03/25/2023	ND	2.11	106	2.00	6.57		
Total Xylenes*	<0.150	0.150	03/25/2023	ND	6.37	106	6.00	5.18		
Total BTEx	<0.300	0.300	03/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 8 @ 1' (H231326-08)

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	03/25/2023	ND	2.06	103	2.00	7.06	
Toluene*	<0.050	0.050	03/25/2023	ND	2.13	106	2.00	8.27	
Ethylbenzene*	<0.050	0.050	03/25/2023	ND	2.11	106	2.00	6.57	
Total Xylenes*	<0.150	0.150	03/25/2023	ND	6.37	106	6.00	5.18	
Total BTEx	<0.300	0.300	03/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 9 @ 1' (H231326-09)

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	03/25/2023	ND	2.06	103	2.00	7.06	
Toluene*	<0.050	0.050	03/25/2023	ND	2.13	106	2.00	8.27	
Ethylbenzene*	<0.050	0.050	03/25/2023	ND	2.11	106	2.00	6.57	
Total Xylenes*	<0.150	0.150	03/25/2023	ND	6.37	106	6.00	5.18	
Total BTEx	<0.300	0.300	03/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 10 @ 1' (H231326-10)

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	03/25/2023	ND	2.06	103	2.00	7.06		
Toluene*	<0.050	0.050	03/25/2023	ND	2.13	106	2.00	8.27		
Ethylbenzene*	<0.050	0.050	03/25/2023	ND	2.11	106	2.00	6.57		
Total Xylenes*	<0.150	0.150	03/25/2023	ND	6.37	106	6.00	5.18		
Total BTEx	<0.300	0.300	03/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 11 @ 1' (H231326-11)

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	03/24/2023	ND	2.22	111	2.00	2.88		
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	2.37		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.19	109	2.00	4.79		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.78	113	6.00	6.14		
Total BTEx	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.2 % 49.1-148

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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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 12 @ 2' (H231326-12)

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	03/24/2023	ND	2.22	111	2.00	2.88		
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	2.37		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.19	109	2.00	4.79		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.78	113	6.00	6.14		
Total BTEx	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 13 @ 3' (H231326-13)

BTX 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	03/24/2023	ND	2.22	111	2.00	2.88	
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.19	109	2.00	4.79	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.78	113	6.00	6.14	
Total BTX	<0.300	0.300	03/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 14 @ 3' (H231326-14)

BTX 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	03/24/2023	ND	2.22	111	2.00	2.88		
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	2.37		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.19	109	2.00	4.79		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.78	113	6.00	6.14		
Total BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 15 @ 2' (H231326-15)

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	03/24/2023	ND	2.22	111	2.00	2.88		
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	2.37		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.19	109	2.00	4.79		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.78	113	6.00	6.14		
Total BTEx	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

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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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 16 @ 2' (H231326-16)

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	03/24/2023	ND	2.22	111	2.00	2.88		
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	2.37		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.19	109	2.00	4.79		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.78	113	6.00	6.14		
Total BTEx	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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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: 03/22/2023
 Reported: 03/28/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 17 @ 2' (H231326-17)

BTX 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	03/24/2023	ND	2.22	111	2.00	2.88		
Toluene*	<0.050	0.050	03/24/2023	ND	2.24	112	2.00	2.37		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.19	109	2.00	4.79		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.78	113	6.00	6.14		
Total BTX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/27/2023	ND	432	108	400	0.00		

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	03/24/2023	ND	207	103	200	5.64	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	203	101	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "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: <u>Apelco</u>		P.O. #:		BILL TO				ANALYSIS REQUEST			
Project Manager: <u>P. Baker</u>		Company:									
Address:		City: <u>Hobbs</u>		State: <u>NM</u>		Zip: <u>88240</u>		Attn:			
Phone #:		Fax #:		Address:		City:		State:		Zip:	
Project #:		Project Owner:		City:		State:		Zip:			
Project Name:		Project Location: <u>DED Le Trunk Line</u>		Phone #:		Fax #:					
Sample Name: <u>Jose Quezada</u>		FOR LAB USE ONLY		PRESERV.		SAMPLING					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER	
H231324		1		1		1		1		1	
2		B102'		1		1		1		1	
3		B202'		1		1		1		1	
4		B302'		1		1		1		1	
5		B402'		1		1		1		1	
6		B502'		1		1		1		1	
7		B602'		1		1		1		1	
8		B702'		1		1		1		1	
9		B801'		1		1		1		1	
10		B901'		1		1		1		1	
11		B1001'		1		1		1		1	
DATE		TIME		DATE		TIME		DATE		TIME	
3/22		2:38pm		3/22		2:40		3/22		2:42	
		2:42				2:44				2:46	
		2:46				2:48				2:50	
		2:50				2:52				2:54	
		2:54				2:56				2:58	
		2:58				3:00				3:02	
		3:02				3:04				3:06	
		3:06				3:08				3:10	
		3:10				3:12				3:14	
		3:14				3:16				3:18	
		3:18				3:20				3:22	
		3:22				3:24				3:26	
		3:26				3:28				3:30	
		3:30				3:32				3:34	
		3:34				3:36				3:38	
		3:38				3:40				3:42	
		3:42				3:44				3:46	
		3:46				3:48				3:50	
		3:50				3:52				3:54	
		3:54				3:56				3:58	
		3:58				4:00				4:02	
		4:02				4:04				4:06	
		4:06				4:08				4:10	
		4:10				4:12				4:14	
		4:14				4:16				4:18	
		4:18				4:20				4:22	
		4:22				4:24				4:26	
		4:26				4:28				4:30	
		4:30				4:32				4:34	
		4:34				4:36				4:38	
		4:38				4:40				4:42	
		4:42				4:44				4:46	
		4:46				4:48				4:50	
		4:50				4:52				4:54	
		4:54				4:56				4:58	
		4:58				5:00				5:02	
		5:02				5:04				5:06	
		5:06				5:08				5:10	
		5:10				5:12				5:14	
		5:14				5:16				5:18	
		5:18				5:20				5:22	
		5:22				5:24				5:26	
		5:26				5:28				5:30	
		5:30				5:32				5:34	
		5:34				5:36				5:38	
		5:38				5:40				5:42	
		5:42				5:44				5:46	
		5:46				5:48				5:50	
		5:50				5:52				5:54	
		5:54				5:56				5:58	
		5:58				6:00				6:02	
		6:02				6:04				6:06	
		6:06				6:08				6:10	
		6:10				6:12				6:14	
		6:14				6:16				6:18	
		6:18				6:20				6:22	
		6:22				6:24				6:26	
		6:26				6:28				6:30	
		6:30				6:32				6:34	
		6:34				6:36				6:38	
		6:38				6:40				6:42	
		6:42				6:44				6:46	
		6:46				6:48				6:50	
		6:50				6:52				6:54	
		6:54				6:56				6:58	
		6:58				7:00				7:02	
		7:02				7:04				7:06	
		7:06				7:08				7:10	
		7:10				7:12				7:14	
		7:14				7:16				7:18	
		7:18				7:20				7:22	
		7:22				7:24				7:26	
		7:26				7:28				7:30	
		7:30				7:32				7:34	
		7:34				7:36				7:38	
		7:38				7:40				7:42	
		7:42				7:44				7:46	
		7:46				7:48				7:50	
		7:50				7:52				7:54	
		7:54				7:56				7:58	
		7:58				8:00				8:02	
		8:02				8:04				8:06	
		8:06				8:08				8:10	
		8:10				8:12				8:14	
		8:14				8:16				8:18	
		8:18				8:20				8:22	
		8:22				8:24				8:26	
		8:26				8:28				8:30	
		8:30				8:32				8:34	
		8:34				8:36				8:38	
		8:38				8:40				8:42	
		8:42				8:44				8:46	
		8:46				8:48				8:50	
		8:50				8:52				8:54	
		8:54				8:56				8:58	
		8:58				9:00				9:02	
		9:02				9:04				9:06	
		9:06				9:08				9:10	
		9:10				9:12				9:14	
		9:14				9:16				9:18	
		9:18				9:20				9:22	
		9:22				9:24				9:26	
		9:26				9:28				9:30	
		9:30				9:32				9:34	
		9:34				9:36				9:38	
		9:38				9:40				9:42	
		9:42				9:44				9:46	
		9:46				9:48				9:50	
		9:50				9:52				9:54	
		9:54				9:56				9:58	
		9:58				10:00				10:02	
		10:02				10:04				10:06	
		10:06				10:08				10:10	
		10:10				10:12				10:14	
		10:14				10:16				10:18	
		10:18				10:20				10:22	
		10:22				10:24				10:26	
		10:26				10:28				10:30	
		10:30				10:32				10:34	
		10:34				10:36				10:38	
		10:38				10:40				10:42	
		10:42				10:44				10:46	
		10:46				10:48				10:50	
		10:50				10:52				10:54	
		10:54				10:56				10:58	
		10:58				11:00				11:02	
		11:02				11:04				11:06	
		11:06				11:08				11:10	
		11:10				11:12				11:14	
		11:14				11:16				11:18	
		11:18				11:20				11:22	
		11:22				11:24				11:26	
		11:26				11:28				11:30	
		11:30				11:32				11:34	
		11:34				11:36				11:38	
		11:38				11:40				11:42	
		11:42				11:44				11:46	
		11:46				11:48				11:50	
		11:50				11:52				11:54	
		11:54				11:56				11:58	
		11:58				12:00				12:02	
		12:02				12:04				12:06	
		12:06				12:08				12:10	
		12:10				12:12				12:14	
		12:14				12:16				12:18	
		12:18				12:20				12:22	
		12:22				12:24				12:26	
		12:26				12:28				12:30	
		12:30				12:32				12:34	
		12:34				12:36				12:38	
		12:38									



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: HPOACHE				BILL TO				ANALYSIS REQUEST														
Project Manager: B. Baker				P.O. #:																		
Address:				Company:																		
City: Hobbes				Attn:																		
State: NM zip: 88240				Address:																		
Phone #:				City:																		
Fax #:				State:																		
Project Owner:				Zip:																		
Project Name:				Phone #:																		
Project Location: NEDU Trunk Line				Fax #:																		
Sampler Name: Jose C Quezada																						
FOR LAB USE ONLY																						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME										
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :														
A231326	B1101'	C									3/02	2:58										
	B1202'	C										3:58										
	B1303'	C										4:00										
	B1403'	C										4:02										
	B1502'	C										4:04										
	B1602'	C										4:06										
	B1702'	C										4:08										

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Relinquished By:		Date: 3/2/03		Received By:		Date: 3/2/03	
Jose C. Quezada				J. M. Baker			
Relinquished By:		Date:		Received By:		Date:	
Delivered By: (Circle One)		Observed Temp. °C		Corrected Temp. °C		Sample Condition	
Sampler - UPS Bus Other:		3.4		2.8		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
						CHECKED BY: (Initials) Y	
REMARKS:				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:			
E-Mail Results				All Results are emailed. Please provide Email address:			
Turnaround Time:				Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>			
Thermometer ID #113				Bacteria (only) Sample Condition			
Correction Factor -0.6°C				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>			
				Observed Temp. °C			
				Corrected Temp. °C			



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

March 29, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE

Enclosed are the results of analyses for samples received by the laboratory on 03/23/23 16:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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.

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 with a large, stylized 'C' and 'K'.

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:	03/23/2023	Sampling Date:	03/23/2023
Reported:	03/29/2023	Sampling Type:	Soil
Project Name:	NEDU TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE NM		

Sample ID: B 18 @ 3' (H231348-01)

BTX 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	03/27/2023	ND	1.85	92.7	2.00	5.23	
Toluene*	<0.050	0.050	03/27/2023	ND	2.11	105	2.00	6.52	
Ethylbenzene*	<0.050	0.050	03/27/2023	ND	2.28	114	2.00	6.52	
Total Xylenes*	<0.150	0.150	03/27/2023	ND	7.10	118	6.00	5.54	
Total BTX	<0.300	0.300	03/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/28/2023	ND	432	108	400	0.00	

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	03/25/2023	ND	190	95.1	200	6.11	
DRO >C10-C28*	<10.0	10.0	03/25/2023	ND	190	95.0	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	03/25/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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: 03/23/2023
 Reported: 03/29/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 1 BGS 0-3' (H231348-02)

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	03/27/2023	ND	1.85	92.7	2.00	5.23		
Toluene*	<0.050	0.050	03/27/2023	ND	2.11	105	2.00	6.52		
Ethylbenzene*	<0.050	0.050	03/27/2023	ND	2.28	114	2.00	6.52		
Total Xylenes*	<0.150	0.150	03/27/2023	ND	7.10	118	6.00	5.54		
Total BTEx	<0.300	0.300	03/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/28/2023	ND	432	108	400	0.00		

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	03/25/2023	ND	190	95.1	200	6.11	
DRO >C10-C28*	<10.0	10.0	03/25/2023	ND	190	95.0	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	03/25/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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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: 03/23/2023
 Reported: 03/29/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 2 BGS 0-2' (H231348-03)

BTX 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	03/27/2023	ND	1.85	92.7	2.00	5.23		
Toluene*	<0.050	0.050	03/27/2023	ND	2.11	105	2.00	6.52		
Ethylbenzene*	<0.050	0.050	03/27/2023	ND	2.28	114	2.00	6.52		
Total Xylenes*	<0.150	0.150	03/27/2023	ND	7.10	118	6.00	5.54		
Total BTX	<0.300	0.300	03/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/28/2023	ND	432	108	400	0.00		

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	03/25/2023	ND	190	95.1	200	6.11	
DRO >C10-C28*	<10.0	10.0	03/25/2023	ND	190	95.0	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	03/25/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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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: 03/23/2023
 Reported: 03/29/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 3 BGS 0-2' (H231348-04)

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	03/27/2023	ND	1.85	92.7	2.00	5.23		
Toluene*	<0.050	0.050	03/27/2023	ND	2.11	105	2.00	6.52		
Ethylbenzene*	<0.050	0.050	03/27/2023	ND	2.28	114	2.00	6.52		
Total Xylenes*	<0.150	0.150	03/27/2023	ND	7.10	118	6.00	5.54		
Total BTEx	<0.300	0.300	03/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/28/2023	ND	432	108	400	0.00		

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	03/25/2023	ND	190	95.1	200	6.11	
DRO >C10-C28*	<10.0	10.0	03/25/2023	ND	190	95.0	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	03/25/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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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: 03/23/2023
 Reported: 03/29/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 4 BGS 0-2' (H231348-05)

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	03/25/2023	ND	2.15	107	2.00	11.6		
Toluene*	<0.050	0.050	03/25/2023	ND	2.16	108	2.00	11.6		
Ethylbenzene*	<0.050	0.050	03/25/2023	ND	2.25	112	2.00	12.2		
Total Xylenes*	<0.150	0.150	03/25/2023	ND	6.90	115	6.00	12.3		
Total BTEX	<0.300	0.300	03/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/28/2023	ND	432	108	400	0.00		

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	03/25/2023	ND	190	95.1	200	6.11	
DRO >C10-C28*	<10.0	10.0	03/25/2023	ND	190	95.0	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	03/25/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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*=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: 03/23/2023
 Reported: 03/29/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 5 BGS 0-3' (H231348-06)

BTX 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	03/25/2023	ND	2.15	107	2.00	11.6		
Toluene*	<0.050	0.050	03/25/2023	ND	2.16	108	2.00	11.6		
Ethylbenzene*	<0.050	0.050	03/25/2023	ND	2.25	112	2.00	12.2		
Total Xylenes*	<0.150	0.150	03/25/2023	ND	6.90	115	6.00	12.3		
Total BTX	<0.300	0.300	03/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/28/2023	ND	432	108	400	0.00		

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	03/25/2023	ND	190	95.1	200	6.11	
DRO >C10-C28*	<10.0	10.0	03/25/2023	ND	190	95.0	200	7.59	
EXT DRO >C28-C36	<10.0	10.0	03/25/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

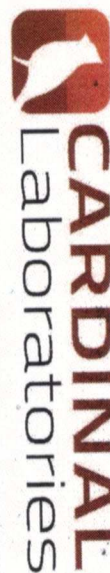
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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: <u>Hoache</u>				P.O. #:			
Project Manager: <u>B. Baker</u>				Company:			
Address:				Attn:			
City: <u>Hobbs</u>				State: <u>NM</u> Zip: <u>88340</u>			
Phone #:				Fax #:			
Project #:				City:			
Project Name:				State:			
Project Location: <u>NEDU Trunk line</u>				Zip:			
Sampler Name: <u>Jose Quezada</u>				Phone #:			
FOR LAB USE ONLY				Fax #:			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	DATE	TIME	ANALYSIS REQUEST		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						ICE / COOL	OTHER :
<u>H231348</u>	<u>B1803'</u>	<u>C</u>	<u>1</u>										<u>3/23</u>	<u>1:04</u>	<u>CI</u>	<u>BTEX</u>	<u>EXTTPH</u>
	<u>W1B650-3'</u>	<u>C</u>	<u>1</u>											<u>1:08</u>			
	<u>W2B650-2'</u>	<u>C</u>	<u>1</u>											<u>1:10</u>			
	<u>W3B650-2'</u>	<u>C</u>	<u>1</u>											<u>1:12</u>			
	<u>W4B650-2'</u>	<u>C</u>	<u>1</u>											<u>1:14</u>			
	<u>W5B650-3'</u>	<u>C</u>	<u>1</u>											<u>1:16</u>			

Relinquished By: <u>Jose Quezada</u>		Date: <u>3/23/23</u>		Received By: <u>Michaela Delacruz</u>	
Relinquished By:		Date:		Received By:	
Time:		Time:		Time:	

Delivered By: (Circle One)		Observed Temp. °C <u>0.8</u>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: <u>yo</u> (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>0.2</u>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Turnaround Time:	
Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Observed Temp. °C		Corrected Temp. °C		REMARKS: <u>E-Mail Results</u>	

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 in contract or tort.



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

March 29, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE

Enclosed are the results of analyses for samples received by the laboratory on 03/24/23 16:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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.

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, flowing 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:	03/24/2023	Sampling Date:	03/24/2023
Reported:	03/29/2023	Sampling Type:	Soil
Project Name:	NEDU TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE NM		

Sample ID: W 6 BGS 0-2' (H231370-01)

BTX 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	03/27/2023	ND	1.93	96.7	2.00	1.83	
Toluene*	<0.050	0.050	03/27/2023	ND	1.97	98.3	2.00	0.655	
Ethylbenzene*	<0.050	0.050	03/27/2023	ND	2.00	100	2.00	0.959	
Total Xylenes*	<0.150	0.150	03/27/2023	ND	6.02	100	6.00	1.85	
Total BTX	<0.300	0.300	03/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/28/2023	ND	432	108	400	3.64	

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	03/28/2023	ND	189	94.3	200	4.26	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	182	90.8	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: 03/24/2023
 Reported: 03/29/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 7 BGS 0-2' (H231370-02)

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	03/27/2023	ND	1.93	96.7	2.00	1.83	
Toluene*	<0.050	0.050	03/27/2023	ND	1.97	98.3	2.00	0.655	
Ethylbenzene*	<0.050	0.050	03/27/2023	ND	2.00	100	2.00	0.959	
Total Xylenes*	<0.150	0.150	03/27/2023	ND	6.02	100	6.00	1.85	
Total BTEx	<0.300	0.300	03/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/28/2023	ND	432	108	400	3.64	

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	03/28/2023	ND	189	94.3	200	4.26	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	182	90.8	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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: 03/24/2023
 Reported: 03/29/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 19 @ 2' (H231370-03)

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	03/27/2023	ND	1.93	96.7	2.00	1.83		
Toluene*	<0.050	0.050	03/27/2023	ND	1.97	98.3	2.00	0.655		
Ethylbenzene*	<0.050	0.050	03/27/2023	ND	2.00	100	2.00	0.959		
Total Xylenes*	<0.150	0.150	03/27/2023	ND	6.02	100	6.00	1.85		
Total BTEx	<0.300	0.300	03/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/28/2023	ND	432	108	400	0.00		

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	03/28/2023	ND	189	94.3	200	4.26	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	182	90.8	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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:	03/24/2023	Sampling Date:	03/24/2023
Reported:	03/29/2023	Sampling Type:	Soil
Project Name:	NEDU TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EUNICE NM		

Sample ID: B 20 @ 2' (H231370-04)

BTX 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	03/27/2023	ND	1.93	96.7	2.00	1.83		
Toluene*	<0.050	0.050	03/27/2023	ND	1.97	98.3	2.00	0.655		
Ethylbenzene*	<0.050	0.050	03/27/2023	ND	2.00	100	2.00	0.959		
Total Xylenes*	<0.150	0.150	03/27/2023	ND	6.02	100	6.00	1.85		
Total BTX	<0.300	0.300	03/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/28/2023	ND	432	108	400	0.00		

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	03/28/2023	ND	189	94.3	200	4.26	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	182	90.8	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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: 03/24/2023
 Reported: 03/29/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 21 @ 2' (H231370-05)

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	03/27/2023	ND	2.02	101	2.00	4.48	
Toluene*	<0.050	0.050	03/27/2023	ND	2.03	101	2.00	3.77	
Ethylbenzene*	<0.050	0.050	03/27/2023	ND	2.11	106	2.00	2.71	
Total Xylenes*	<0.150	0.150	03/27/2023	ND	6.47	108	6.00	1.62	
Total BTEx	<0.300	0.300	03/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/28/2023	ND	432	108	400	0.00	

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	03/28/2023	ND	189	94.3	200	4.26	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	182	90.8	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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

Notes and Definitions

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.
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

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "C. 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: <u>Apache</u>		P.O. #:		BILL TO																																			
Project Manager: <u>B. Baker</u>		Company:		ANALYSIS REQUEST																																			
Address:		Attn:																																					
City: <u>Hobbs</u>		Address:																																					
State: <u>NM</u> Zip: <u>88240</u>		City:																																					
Phone #:		State:																																					
Fax #:		Zip:																																					
Project #:		Phone #:																																					
Project Name:		Fax #:																																					
Project Location: <u>NEEDLE Trunkline</u>																																							
Sampler Name: <u>Jose Alvarez</u>																																							
FOR LAB USE ONLY																																							
Lab I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME													
Sample I.D.																																							
<u>H23137D</u>																																							
<u>1 W6 BBSO-2'</u>																																							
<u>2 W7 BBSO-2'</u>																																							
<u>3 B19 02'</u>																																							
<u>4 B20 02'</u>																																							
<u>5 B21 02'</u>																																							

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 rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Jose Alvarez</u>		Date: <u>4/24/23</u>		Received By: <u>Michelle Chavez</u>		Date: <u>4/24/23</u>		Time: <u>4:12pm</u>		Received By: <u>Jose Alvarez</u>		Date: <u>4/24/23</u>		Time: <u>4:12pm</u>		Remarks: <u>See Mail Regals</u>	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Thermometer ID #113		Correction Factor		Standard		Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>										Rush <input type="checkbox"/>		Cool Intact <input type="checkbox"/> Observed Temp. °C	
		<u>3.4</u>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												Corrected Temp. °C	

FORM 0007 Rev. 10/04/20

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

March 30, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE

Enclosed are the results of analyses for samples received by the laboratory on 03/27/23 16:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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.

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".

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: 03/27/2023
 Reported: 03/30/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 8 BGS 0-2' (H231393-01)

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	03/29/2023	ND	1.87	93.3	2.00	4.63	
Toluene*	<0.050	0.050	03/29/2023	ND	1.79	89.5	2.00	10.8	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.80	90.1	2.00	15.9	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.84	97.3	6.00	16.4	
Total BTEX	<0.300	0.300	03/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/28/2023	ND	432	108	400	3.64	

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	03/28/2023	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	196	98.1	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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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: 03/27/2023
 Reported: 03/30/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 22 @ 1' (H231393-02)

BTX 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	03/29/2023	ND	1.87	93.3	2.00	4.63		
Toluene*	<0.050	0.050	03/29/2023	ND	1.79	89.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.80	90.1	2.00	15.9		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.84	97.3	6.00	16.4		
Total BTX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 84.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/28/2023	ND	432	108	400	3.64		

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	03/28/2023	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	196	98.1	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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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: 03/27/2023
 Reported: 03/30/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 23 @ 1' (H231393-03)

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	03/29/2023	ND	1.87	93.3	2.00	4.63		
Toluene*	<0.050	0.050	03/29/2023	ND	1.79	89.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.80	90.1	2.00	15.9		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.84	97.3	6.00	16.4		
Total BTEx	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/28/2023	ND	432	108	400	3.64		

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	03/28/2023	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	196	98.1	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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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: 03/27/2023
 Reported: 03/30/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 24 @ 1' (H231393-04)

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	03/29/2023	ND	1.87	93.3	2.00	4.63		
Toluene*	<0.050	0.050	03/29/2023	ND	1.79	89.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.80	90.1	2.00	15.9		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.84	97.3	6.00	16.4		
Total BTEx	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/28/2023	ND	432	108	400	3.64		

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	03/28/2023	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	196	98.1	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

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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: 03/27/2023
 Reported: 03/30/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 25 @ 1' (H231393-05)

BTX 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	03/29/2023	ND	1.88	93.9	2.00	13.4	
Toluene*	<0.050	0.050	03/29/2023	ND	1.93	96.5	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.89	94.7	2.00	13.2	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.98	99.6	6.00	12.6	
Total BTX	<0.300	0.300	03/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/28/2023	ND	432	108	400	3.64		

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	03/28/2023	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	196	98.1	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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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: 03/27/2023
 Reported: 03/30/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 26 @ 1' (H231393-06)

BTX 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	03/29/2023	ND	1.88	93.9	2.00	13.4		
Toluene*	<0.050	0.050	03/29/2023	ND	1.93	96.5	2.00	13.2		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.89	94.7	2.00	13.2		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.98	99.6	6.00	12.6		
Total BTX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/28/2023	ND	432	108	400	3.64		

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	03/28/2023	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	196	98.1	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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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: 03/27/2023
 Reported: 03/30/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 27 @ 1' (H231393-07)

BTX 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	03/29/2023	ND	1.88	93.9	2.00	13.4		
Toluene*	<0.050	0.050	03/29/2023	ND	1.93	96.5	2.00	13.2		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.89	94.7	2.00	13.2		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.98	99.6	6.00	12.6		
Total BTX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/28/2023	ND	432	108	400	3.64		

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	03/28/2023	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	196	98.1	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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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: 03/27/2023
 Reported: 03/30/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 28 @ 1' (H231393-08)

BTX 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	03/29/2023	ND	1.88	93.9	2.00	13.4		
Toluene*	<0.050	0.050	03/29/2023	ND	1.93	96.5	2.00	13.2		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.89	94.7	2.00	13.2		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.98	99.6	6.00	12.6		
Total BTX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/28/2023	ND	432	108	400	3.64		

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	03/28/2023	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	196	98.1	200	0.254	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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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: 03/27/2023
 Reported: 03/30/2023
 Project Name: NEDU TRUNKLINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 03/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 29 @ 1' (H231393-09)

BTX 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	03/29/2023	ND	1.88	93.9	2.00	13.4		
Toluene*	<0.050	0.050	03/29/2023	ND	1.93	96.5	2.00	13.2		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.89	94.7	2.00	13.2		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.98	99.6	6.00	12.6		
Total BTX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/28/2023	ND	432	108	400	3.64		

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	03/28/2023	ND	192	95.9	200	1.46	
DRO >C10-C28*	<10.0	10.0	03/28/2023	ND	181	90.6	200	0.764	
EXT DRO >C28-C36	<10.0	10.0	03/28/2023	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

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: <u>ADACHE</u>		P.O. #:		BILL TO												ANALYSIS REQUEST																			
Project Manager: <u>B. Baker</u>		Company:																																	
Address:		Attn:																																	
City: <u>Hobbs</u>		Address:																																	
Phone #:		City:																																	
Project #:		State:																																	
Project Name:		Zip:																																	
Project Location: <u>NEEDU Tank Line</u>		Phone #:																																	
Sample Name: <u>Soc. Overhead</u>		Fax #:																																	
FOR LAB USE ONLY																																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		C1		BTEX		EXT TPH	
<u>4031313</u>		<u>08 B55 D-2'</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>3/27</u>		<u>12:48</u>							
<u>1</u>		<u>B22 01'</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>12:50</u>									
<u>2</u>		<u>B23 01'</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>12:52</u>									
<u>3</u>		<u>B24 01'</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>12:54</u>									
<u>4</u>		<u>B25 01'</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>12:56</u>									
<u>5</u>		<u>B26 01'</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1:00</u>									
<u>6</u>		<u>B27 01'</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1:02</u>									
<u>7</u>		<u>B28 01'</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1:04</u>									
<u>8</u>		<u>B29 01'</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>											
<u>9</u>		<u>B30 01'</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>		<u>1</u>											

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Relinquished By: <u>José Cuatrecasas</u>		Date: <u>3/27/23</u>		Received By: <u>ivan orosco</u>		Date: <u>3/27/23</u>		Time: <u>3:40</u>		Time: <u>4:17 PM</u>		Observed Temp. °C: <u>4.6</u>		Corrected Temp. °C: <u>4.6</u>		Thermometer ID #113		Correction Factor -0.6°C		Turnaround Time: <u>1.5 hr</u>		Standard <u>Rush</u>		Bacteria (only) Sample Condition		Cool Intact <u>Yes</u>		Observed Temp. °C		Corrected Temp. °C	
Relinquished By: <u>José Cuatrecasas</u>		Date: <u>3/27/23</u>		Received By: <u>ivan orosco</u>		Date: <u>3/27/23</u>		Time: <u>3:40</u>		Time: <u>4:17 PM</u>		Observed Temp. °C: <u>4.6</u>		Corrected Temp. °C: <u>4.6</u>		Thermometer ID #113		Correction Factor -0.6°C		Turnaround Time: <u>1.5 hr</u>		Standard <u>Rush</u>		Bacteria (only) Sample Condition		Cool Intact <u>Yes</u>		Observed Temp. °C		Corrected Temp. °C	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

REMARKS: E-Mail Results

FORM 006 R 3.3 07/10/22

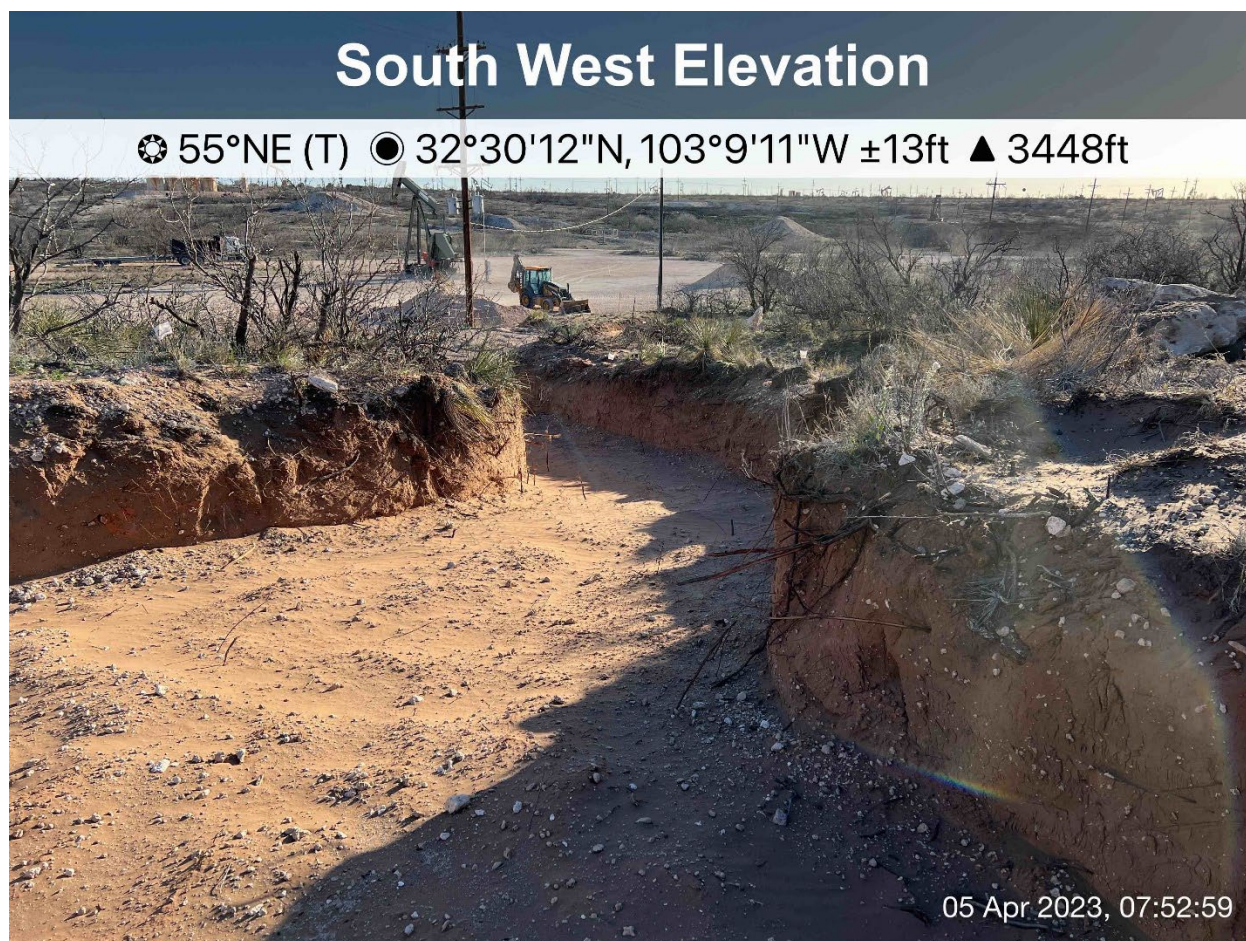
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

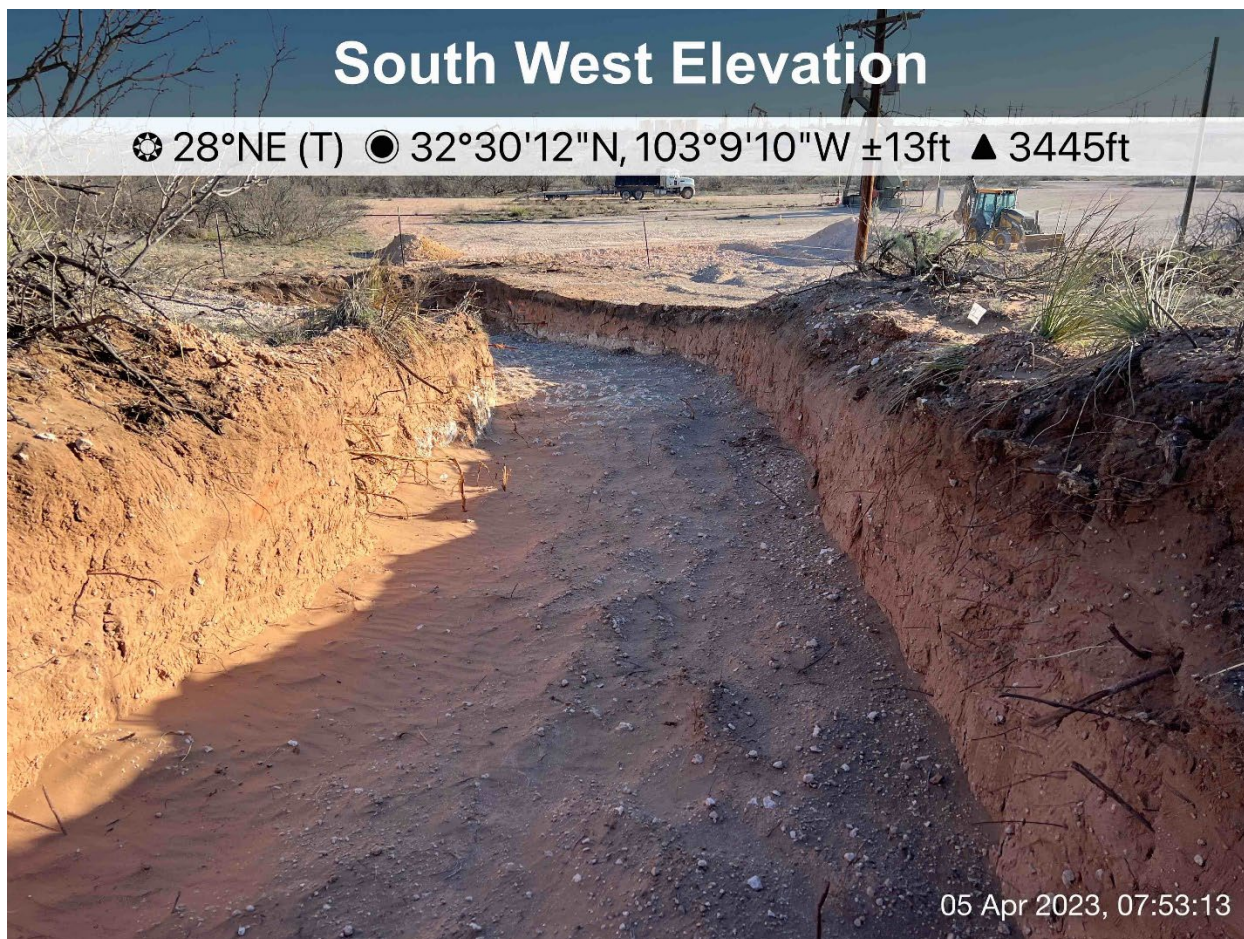
North Elevation

☉ 181°S (T) ☉ 32°30'12"N, 103°9'11"W ±13ft ▲ 3451ft











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1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
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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 207699

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 207699
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please note sample B4 at 2' had a total TPH concentration of 178.5 mg/kg, which exceeded the criteria of 100 mg/kg Total TPH.	5/15/2023