Amache

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Received by OCD: 10/30/2019 2:35:01 PM Received by OCD: 10/30/2019 2:35:01 PM DAVID FEATHER ENVIRONMENTAL SUPERVISOR Direct\* (432) bir-1613 E MAIL DAVID FEATHER ØAPACHECORP.COM

October 29, 2019

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

RE: 1RP-1644 NEDU 807

Mr. Billings,

In compliance with 19.15.29.15(B) NMAC and the agreement submitted by Apache Corporation on November 8, 2018 Apache Corporation is submitting information related to closure for the release occurring September 18, 2003. Apache is respectfully submitting the closure report based on studies occurring in 2019 that demonstrate the site meeting the requirements of the agency. Unless further information is requested by NMOCD, Apache Corporation considers this release closed.

If there are any questions, please feel free to contact me by telephone at 432-818-1615 or by e-mail at David.Feather@ApacheCorp.com.

Sincerely,

David Feather Environmental Supervisor Apache Corporation - Permian Basin Region

Attachment: Closure Report Dated October 29, 2019

APACHE CORPORATION - PERMAN BASIN REGION - 303 VETERANS AREVARE LANE, STE 3000, MIDEAND, TENAS 79705

### **Trinity Oilfield Services & Rentals, LLC**

Company: Apache Corporation \_\_\_\_ Address: 2530 W Marland St., Hobbs, NM 88240 \_\_\_\_ Telephone #: (575) 393 7106\_\_\_\_ Site Name: <u>Northeast Drinkard Unit 807 (NEDU 807)</u> NMOCD Reference#: <u>1RP 1644</u> Mineral Owner: <u>Unknown</u> Surface Owner: \_Charlie Bettis\_ Unit Letter: \_G\_\_ Section: \_22 Township: T21S\_Range: R37E County: Lea GPS Coordinates: <u>32.464944</u> N, <u>-103.1489361</u> W \_ Type of Release: \_ X Produced Water Crude Oil Volume(s) Released: <u>1,200 bbl</u> Closure Criteria for Impacted Soil (mg/kg; See Appendix F, "Closure Criteria Justification"): Benzene: 10 BTEX: \_50\_ GRO+DRO: \_100\_ TPH: 100 Chloride: 600 \_\_\_ 2,500 <u>X</u> 10,000 X

#### **Background Information:**

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On September 18, 2003, Apache Corporation (Apache) discovered a release at an 8-inch diameter steel produced water gathering line. An estimated 1,200 barrels (bbls) of produced water was released to a well pad and pasture area. An estimated 98,826 square feet (sq. ft.) of pad and pasture area were impacted by the release. None of the released water was recovered. It was determined that the line failed due to internal corrosion and the line was subsequently repaired.

20,000

The release was reported to the New Mexico Oil Conservation Division's (NMOCD) Hobbs District Office on September 18, 20003. A "Site Location Map" is provided as Figure 1. The initial NMOCD "Release Notification and Corrective Action" form (C-141) is provided as Appendix A. The final C-141 form is provided in Appendix B.

Environmental Plus, Inc. was contracted by Apache to perform environmental investigation and remedial tasks for the site. Three soil borings were sampled for chloride and Total Petroleum Hydrocarbons (TPH) for laboratory analysis in September 2003 per provided historical information (Appendix C).

No new activity occurred on site until April 2005 when a grid for chloride sampling was established over the release area. Location of this grid was not available in the historic information provided to Trinity. It is assumed that all the samples were analyzed at an NMOCD approved analytical laboratory.

During February 2006 a drill was deployed to the site for additional sampling. A total of 16 chloride samples were analyzed using both field and laboratory methods. Additionally, five benzene, ethylbenzene, toluene and xylenes (BTEX) and four TPH samples were collected for analysis. These historical results are not available for this report. It is assumed that all laboratory tests were conducted at an NMOCD approved analytical laboratory.

Remedial activities were initiated in October 2006 per provided historical documentation. A total of 540 cubic yards (cu. yds.) of soil were excavated and shipped to an approved waste disposal facility for compliant disposal. Samples of backfill material were collected and the backfill source was determined to be clean. The backfill samples were tested for field Photo Ionization Device (PID), field and laboratory Chloride, plus laboratory BTEX and TPH. The analysis for the backfill material is not available for this

report. A total of 4,160 cu. yds. of soil were hauled to the site and was utilized in backfilling and soil blending. The site was restored to approximate original contour and apparently was reseeded with a native mix. Photos of the restored impacted area show that vegetation has re-established across the site (see Appendix D). Again, it is assumed that all laboratory tests were conducted at an NMOCD approved analytical laboratory.

A sampling event for chloride occurred in March of 2008 per historic documentation. Two sample locations are identified from a historical laboratory report. No location map for the samples is available. Soil samples for chlorides were collected at 5-foot intervals (5 ft, 10ft, 15ft, and 20ft) to a depth of 20 feet at SP-2 and tested at a NMOCD approved analytical laboratory. Trinity is unsure of the meaning of the T2 versus T12 designation for the samples. The existing historical laboratory information is provided as Table 1. It is the only laboratory information available for historical actions at the site. The historical remedial efforts and historical lab reports including the chains of custody are included in Appendix C – Available Historic Information.

### No other information regarding historical remedial action is available for this site. No historic photography of the release and any remedial activity at the site are available.

On July 25, 2019, Apache requested that Trinity Oilfield Services and Rentals, LLC (Trinity), assume any remaining remediation and reporting activities for the site.

### **Summary of Trinity Field Activities:**

On August 22, 2019, Trinity mobilized a sampling crew to assess the current conditions at the NEDU 807 site. A stainless-steel spatula was utilized to collect surface samples while a hand auger was utilized to collect soil samples at one-foot intervals to a depth of 5 feet at locations SP-1 through SP-6. A total of 36 samples were collected from six sampling locations. The location of the six sample points is shown in Figure 2.

All samples were tested for chloride. Ext. TPH and BTEX was tested in samples collected at the onefoot, three-foot and five-foot intervals. All samples were tested at Cardinal Laboratories of Hobbs, NM, a NMOCD approved analytical laboratory using United States Environmental Protection Agency (USEPA) Methods 4500-Cl B for chloride, SW 846-8015 Mod for TPH [including extended diesel range organics (EX DRO)] and SW 846-8021B for BTEX. Results of analyses for these samples is provided in Table 2.

Laboratory analytical results (Appendix E) indicate BTEX and TPH/EXT DRO constituent concentrations were below the Laboratory method detection limit (MDL) in all submitted soil samples. Chloride concentrations ranged from below the MDL to 48 mg/kg in all samples submitted to the laboratory.

All sample locations appear to be at approximately the same points at the chloride sampling points tested by others in 2008.

Photography of current site conditions is provided as Appendix D.

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### **Site Closure Request**

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Soil Samples collected from the inferred impacted area were analyzed by a NMOCD approved laboratory. Concentrations of Chloride, TPH and BTEX were below the closure criteria listed in Table 1 of Section 19.15.29.12 of the New Mexico Administrative Code (NMAC) for a site where the depth to groundwater is between 50 and 100 feet bgs. The depth to groundwater (See Appendix F, "Closure Criteria Justification" for more information). Based on these laboratory analytical results, the initial response and subsequent actions conducted at the site during the period between 2008 and 2019 were effective in remediating the release. Trinity on behalf of Apache, hereby requests that the NMOCD grant closure to the NEDU 807 release site as represented by 1RP-1644.

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### Attachments

Table 1 Historic Lab ResultsTable 2 Trinity Lab ResultsTable 3 Closure Criteria Table

Figure 1: Site Location Map - NEDU 807

Figure 2: Sample Location Map - Trinity

Figure 3: Sample Location Map - Historic Overlay

Figure 4: Depth to Groundwater Trend Map

Figure 5: Vicinity and Wellhead Protection Area Map

### Appendices

- Appendix A: C-141 Initial
- Appendix B: C-141 Final
- Appendix C: Available Historic Documentation
- Appendix D: Site Photos of Current Conditions
- Appendix E: Laboratory results
- Appendix F: Closure Criteria Justification

## TABLES

4

 TABLE 1 (Historic)

 APACHE NEDU 807

 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL



1

				EPA SW-846 Method 8021B					EPA SW-846 Method 8015M				4500-CI B
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENE\$ (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)
NMOC	D Closure Li	mits (mg/kg)		10	NE	NE	NE	60	NE	NE	NE	100	600
T2 SP2@ 5'	5'	3/25/08	In-Situ	-		-	-	241 (10.14) 	-		-		< 16.0
T2 SP2@ 10'	10'	3/25/08	In-Situ	1		-	174	*		-	77	7	32
T2 SP2@ 15'	15'	3/25/08	In-Situ	-	14	5 <b>1</b> 2)	-		142	-	4	1	272
T2 SP2@ 20'	20'	3/25/08	In-Şitu							-		-	144
T12 SP2@ 5'	5'	3/25/08	In-Situ			a series and a series of	-			-	-	-	48
T12 SP2@ 10'	10'	3/25/08	In-Situ							-		-	208
T12 \$P2@ 15'	15'	3/25/08	In-Situ							-	*		304
T12 SP2@ 20'	20'	3/25/08	In-Situ	_		-		-	-			-	224

NE = Not Established — = Not Analyzed

Concentrations in BOLD exceed the NMOCO Closure Limit

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# TABLE 2 APACHE NEDU 807 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

					EPA S	W-846 Method 80218	3				846 Method 15M		4600-CI B
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)
NMOCD Closure Limits (mg/kg)			10 N	NE	NE NE		NE 50		NE NE		100	600	
Constant State	and the second		100		3 3132			and an		THE SEC	1.92	FILL STATE	
SP-1 @ Surface	Surface	8/22/19	In-Situ		_	-		-		-	-	-	< 16.0
SP-1 @ 1'	1'	8/22/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	< 16.0
SP-1 @ 2'	2′	8/22/19	In-Situ				-		<u>್</u> ಷ್ಟು	12L			< 16.0
SP-1 @ 3'	3′	8/22/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SP-1 @ 4'	4'	8/22/19	In-Situ		_		-						< 16.0
SP-1 @ 5'	5′	8/22/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SP-2 @ Surface	Surface	8/22/19	In-Situ	-		-			-	-		_	<16.0
SP-2 @ 1'	ť	8/22/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SP-2 @ 2'	2'	8/22/19	In-Silu		_			-		-			16
SP-2 @ 3'	3'	8/22/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
SP-2 @ 4'	4'	8/22/19	In-Situ	-				-	-	-			48

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SP-2 @ 5'	5'	8/22/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48
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SP-3 @ Surface	Surface	8/22/19	In-Situ	-		_	-		-	-	-		<16.0
SP-3 @ 1'	11	8/22/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0,300	<10.0	<10.0	<10.0	<10.0	<16.0
SP-3 @ 2'	2.	8/22/19	In-Situ					-				-	<16.0
SP-3 @ 3'	3'	8/22/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SP-3 @ 4'	4'	8/22/19	In-Situ		-			-	- 58	-			16
SP-3 @ 5'	5'	8/22/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
10 M 20	1229			2.200 103		35 30 1 1 1 1 1	Direction,	P. 1- 102				and the second	T. H. M.
SP-4 @ Surface	Surface	8/22/19	In-Situ		-	-	-		1		-	-	<16.0
SP-4 @ 1'	1'	8/22/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SP-4 @ 2'	2'	8/22/19	In-Situ		-	_	<u></u>		-	-			16
SP-4 @ 3'	3'	8/22/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
SP-4 @ 4'	4'	8/22/19	In-Situ			-			~	-			16
SP-4 @ 5'	5'	8/22/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
TRACES	10.2375	Sectors and	1000	1288		Belienno 752	0 messi	6 9 27	1	RENAM	DOILACER	1. Mar 2.	1 States
SP-5 @ Surface	Surface	8/22/19	In-Silu			-	-	-				-	<16.0
SP-5 @ 1'	1'	8/22/19	In-Silu	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SP-5 @ 2'	2'	8/22/19	In-Silu					-		÷		**	<16.0
SP-5 @ 3'	3'	8/22/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
SP-5 @ 4'	4'	8/22/19	In-Situ	**			-	-			-	<u></u>	16
SP-5 @ 5'	5'	8/23/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
A. Maria	See House	Sec. 3.			125	the state of the s	Particular State	10	the states			HELEN PRES	
SP-6 @ Surface	Surface	8/23/19	In-Situ			-			-	2		-	<16.0
SP-6 @ 1'	1°	8/23/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SP-6 @ 2'	2'	8/23/19	In-Situ		-	_	- 1			2	22		<16.0

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SP-6 @ 5'	5'	8/23/19	In-
NE = Not Establis	hed		
- = Net Analyzed	5		
Concentrations in	BOLD exceed th	NMOCO Closur	Limit

SP-6 @ 3'	3'	8/23/19	In-Situ	<0.050	<0_050	<0.050	<0,150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SP-6 @ 4'	4'	8/23/19	In-Situ			-	1	1					<16.0
SP-6 @ 5'	5'	8/23/19	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0

### TABLE 3 **CLOSURE CRITERIA JUSTIFICATION**

### **APACHE CORPORATION NORTHEAST DRINKARD UNIT 807** LEA COUNTY, NEW MEXICO NMOCD REFERENCE #: 1RP1644



Groundwater, Water Wells & Other Water Sources	In the second second second
Depth to groundwater (ft)?	Avg 58.1 ft.
Horizontal distance (ft) from all water sources within 0.5 miles?	0.25 to 0.49 miles
Within 500' of a spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No
Within 1000' of any fresh water well or spring?	No
Surface Water	and the second second
Horizontal distance (ft) to nearest significant watercourse?	>1,000
Within 300' of any continuously flowing watercourse or any other significant watercourse?	No
Within 200' of any lakebed, sinkhole or playa lake?	No
Human-Occupied, Environmental & Other Areas	
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No
Within 300 <sup>®</sup> of an occupied permanent residence, school, hospital, institution or church?	No
Within 300' of a wetland?	No
Within the area overlying a subsurface mine?	No
Within an unstable area?	No
Within a 100-year floodplain?	No

Closure Criteria (mg/kg)*											
Benzene	BTEX	GRO + DRO	ТРН	Chloride							
10	50	1,000	2,500	10,000							

\*Numerical limits or natural background level, whichever is greater

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## **FIGURES**











### APPENDICES

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## APPENDIX A RELEASE NOTIFICATION AND CORRECTIVE ACTION FORM (C-141) Initial Notification

District F 1625 N. Trench Dr., Hobbs, NM 88240 District B 1301 W. Grand Avenue, America, NM 88210 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fc, NM 87505

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on Back side of form

20#1644

Form C-141 Revised October 40, 2003

Release Notification and Corrective Action

OPERATOR	🔯 Initial Report 🔛 Fina	Keport
Name of Company: Apache Corporation	Contact: Mike Warren	
Address: 17 Hess Lane	Telephone No. 505-393-214	8
Munument, New Mexico 88262		
Facility Name Northeast Drinkond Unit 807 (NEDU 807)	Facility Type Water injection	i system line
Surface Owner: Charlie Béttis	Mineral Owner:	API No. 3002506729

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Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feel from the	East/West	County
<u> </u>	22	T215	<u>R17</u> F	L			Einr	Lea
		E underson		1.56181	Landarda I.	01' 00'41 1TW		

Intitude: 32' 27' 53,26'N Longitude: 103' 08'56.47'W . . . . . . .

×.	ATTRE OF REFERENCE	
pre of Release Produced Winter     Value       urce of Release Water injection system line     Date       us Immediate Notice Given?     If YI       Yes     No       Yes     No       Whom?     Date       Ac Warren, Apache     97180       sin Matercourse Reached?     Yes       Yes     No       Statercourse Reached?     Yes       Watercourse was Impacted, Describe Fally.* NA       write Cause of Problem and Remedial Action Taken.* Internaliexterna       heribe Cause of Problem and Remedial Action Taken.* 98.826 sqft 4607EW       ICO publelines, Remedial Goals. IPH 8015m = 100 mg/Kg. Henzene =       Nyleues = 30 mg/Kg       archy certify that the information given abive is true and complete to the bilations all operators are required to report and/or file certain release notified or rations have fuiled to allequakely investigate and remediate contamination immedial to allequakely investigate and remediate contamination immedial number of a C-141 report does not reloced laws and/or regulations.       mature     Summediations       hatter     Summediations       hatter     Summediations	Volume of Release 1,200 hbls	Volume Recovered () 0 bhis
Source of Release Water injection system line	Date and Hour of Occurrence 9/8/2003	Date and Hour of Discovery 9/18/2003
Was Immediate Notice Given?	If YES, To Whom? Paul Sheeley	
By Whom? Mike Warren, Apache	Date and Hour 9/18/2003	
Was a Watercourse Reached? 🚺 Yes 😥 No	If YES, Volume Impacting the Water	reourse, NA
If a Watercourse was Impacted, Describe Fully,* NA Describe Cause of Problem and Remedial Action Taken.* I	nternal/external correction of an 8-inch diameter	steel produced water enthering line,
Describe Ares Affected and Cleanup Action Taken.* 98.82	6 sqft 460°EW x 500°NS: The site will be defined	ated and remediated in accordance with the
NMOCD publicities, Remedial Goals: TPH 8015m = 100 mg/l	Sy, Benzene = 10 mg.Kg, and BTEN, i.e., the ma	iss sum of Benzene, Lithyi Benzene, Toluene,
and Xylenes = 50 mg/Kg		and an and and the second
regulations all operators are required to report and/or tile certain health or the environment. The acceptance of a U-141 report b operations have failed to atlequately investigate and remediated environment. In addition, NMOCD acceptance of a C-141 rep- or local laws and/or regulations.	in release notifications and perform corrective act by the NMCKD marked as "Final Report" does as contamination that pase a threat to ground water,	tions for releases which may enclarger public it relieve the operator of bahility should their surface water, human health or the
Signature Quin Burls	000	SUPVATION DIVISION
Printed Nome Guian Burks	Approved by Distric	NTAT ENGINEER
E-mail Address Guins Barks a ApacheCorp com		(- (+87) Espiration Date 2-9-0
Title Eli&S Technician - South-Central Perman	Conditions of Appro	Attached
Date September 20, 2003 Phone 432-5	58-3515	

\* Attach Additional Sheets If Necessary

## APPENDIX B RELEASE NOTIFICATION AND CORRECTIVE ACTION FORM (C-141) Final Notification Placeholder

Form C-141

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

### Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>58.1</u> (avg. ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	📋 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗋 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗋 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗋 Yes 🖾 No
Are the lateral extents of the release within 300 feet of a wetland?	🗋 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗋 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	Yes 🛛 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### Characterization Report Checklist: Each of the following items must be included in the report.

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data

Data table of soil contaminant concentration data

Depth to water determination

Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-mile of the lateral extents of the release

Boring or excavation logs

Photographs including date and GIS information

Topographic/Aerial maps

Received by OCD:

Laboratory data including chain of custody

orm C-141 State of New Mexic		D Incident ID
4 Oil Conservation Div	ion District RP	
		Facility ID
		Application ID
		a threat to groundwater, surface water, human health or the environment. In tor of responsibility for compliance with any other federal, state, or local law
Printed Name:B		Title: <u>Environmental Tech SR</u> Date: <u>10-30-19</u> Telephone: <u>432-631-6982</u>

Form C-141

Received by

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Released to

### 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: Bruce Baker Signature: Bruce Baker		
email: larry.baker@apachecorp.com	Telephone: 432-631-6982	
OCD Only	c03	
Received by:	Date:	
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	water, human health, or the environment nor does not relieve t	
Solosure Approved by: Bradford Billings	Date:06/22/2022	9:23:39
Printed Name:Bradford Billings	Title: Envi.Spec.A	
52		2
70		22/2022
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		202

# APPENDIX C AVAILABLE HISTORIC INFORMATION

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NEOU 807

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		,.		
Jahariet I 1625 N. French FH., Robbs, NM 88240 Ferriet II		f New Mexico Is and Natural Resources		Form C-141 Review Dowler IP 300
1361 W Heard Avenue, Artesia, NM 88210 [https://www.avenue.com/artesia.com/artesia/		ervation Division	8	ubinit 2 Copies to appropriate
1600 Ray Blanco Road, Azter, AN187410 Depart IV		th St. Francis Dr.		District Office in accordance with Rule 116 on back
1220 S. Si. Francis Dr., Saria Ec, HM 87505	Santa	Fc, NM 87505		ade of form
Retriet	Netification	and the receive Acti	68	
OPERATOR			Final Report	
Name of Company: Anache Corporation		Contact: Mile Wane Telephone No. 505-1		
Mumurani, New Mealen 83262				-
Facility Name Northess Dirakani Unit 807 (NFDP)	2417)	Facility Type Water is	ajorijon nystem lu	•C
Surface Owner: Charlie Benis		Mineral Owner;	1	VPI No. 1002508729
	LOCATIO :	OF REFERSE		
Unit Letter Section Township G 22 T218	Range Ferti	rom the North-South Lune	ret from the	East/West County Har Los
<u> </u>	1 32' 27 33 26'N	l anglende: [ JD3		i ca
Latitude:	2 32 27 53 26 N	T T T Gullender   1114	THE WORLD ME	
		HRELEASE		
Type of Reisase Produced Water	્યન	ume of Release 1,200 bils	Solume l	lecovered (FD bhis
Source of Release Water injection system late	9/10	e and Hour of Occurrence 2003	Date and 9/18/2003	Hour of Discovery
Was Immediate Notice Given?		ES, 10 Whom?   Sheeley		
By Whom?		e and Hour		
Ashe Warren Apache Was a Walercourse Reached" TYES ( No		(200) ES, Volume Impacting the Wa	Impune NA	
If a Watercourse was impacted, Describe Fully.* N				
Hereby certify that the information given above is true regulations all operators are required to report und/or fit health or the environment. The necessaries of a C-141 operations have failed in adeputely investigate and ren environment. In addition, NM(A TP acceptance of a C-	ic centain release nots report by the NNICR3 reduite contant nation	fications and perform corrective it marked as "F nat Report" does that rome a threat to ground wat	actions for reland not relieve the op- er, parised water.	a which may endanger public enter of leahility should the r human health or the
or local laws and/or reputations	/		NSED DOL	ON DISC
Signature Quin Bush	2		Johnso	7
Printed Name Guinn Hurks	(s)	Appropried by His	EXFERENCE	SINEER S
E-mult Address Gene Barks/ApacheCorp com		Approval Date	(C. (107	Expiration Date 12-910
Title FIRS Technician South-Central Permisin		Conditions of App	lavor	Attached
	472-558-3515			
<ul> <li>Attach Additional Sheets If Neces</li> </ul>	SSULV			
				. 1
				2P#1644
				1,11,47
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#### Environmental Plus, Inc.

#### Project Summary

#### Company: Apache

Project: NEDU #807 (Ref. # 240005)

			Type of Sold							1.2	]		
Date	Activity	<u> </u>		·	Field /	maljses	La	bernter,	Analyt	ical	Comments		
		Excernition	Caliche	Top Soil	PID	Chlorid	BTEX	TPH	Chiorid	Sulfate	Contartals		
8-Sep-03	initial site assessment, gps and photograph												
26-Sep-03	Soil Boring BH-1							2	2				
29-Sep-03	Soll Boring 8H-2, BH-3							4	4				
12-Apr-05	grid over release area 40 samples total								40		grid laid out over release area. Sample taken at three depths at each grid line intersection		
14-Apr-05	samples								4				
3-Fcb-06	drilled soil borings w/suraub. Collected samples and tested, gps and photograph					16	5	4	16				
27-Oct-06	excavale and haul contaminated soil	120								1	start on the nedu 807, start digging down about 3 feet. Then test soil Hauf to sundance.		
30-Oct-06	excavate and haut contaminated soil	252											
31-Oct-06	gps and flag site for blending of soil. Finish hauling contaminated soil Haul backfill.	168		48	13	13	4	4	34		haul in backfill for blending, C & V properties		
l-Nov-06	haul in backfill			216							C & V properties		
2-Nov-06	haul in backfill			216							C & V properties		
3-Nav-06	haul in backfill			216	_						C & V properties		
6-Nov-06	haul in backfill			216							C & V properties		
7.Nov-06	haut in backfill			216							C & V properties		
8-Nov-06	haul in backfill			216							C & V properties		
9-Nov-06	haul in backfill			376							C & V properties		
10-Nav-Q6	baul in backfill			344							C& V properties		

#### Environmental Phys. Inc.

### Project Summary

Company: Apoche

Project: NEDU #807 (Ref. # 240005)

		-	pe of Soll		<u> </u>		Sec				
Date	Activity	ļ'	The or post		Field A	nal) set		buralor	y Analyt	<b>ical</b>	Comments
		Excevation	Callche	Top Sell	PID	Chierid	BTEX	TPH	Chlorid	Sulfate	
13-Nov-06	haut in backfill			360							C & V properties
14-Nav-06	haut in backfill			320							C & V properties
15-Nov-06	haul in backfill			360							C & V properties
16-Nov-06	haul in backfill			360							C & V properties
17-Nov-06	tion) in backfill			344							C & V properties
20-Nov-06	haut in backfill			312							C & V properties
21-Nov-06	haul in backfill			40							C & V properties
	Summation	540	a	4,160	13	29	9	14	80	0	

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### NEDU 807 2009







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ANALYTICAL RESULTS FOR APACHE OIL ATTN: JERRY BRIAN P.O. BOX 1849 EUNICE, NM 88231 FAX TO: (575) 394-2425

Receiving Date: 03/25/08 Reporting Date: 03/26/08 Project Number: NOT GIVEN Project Name: NOT GIVEN Project Location: NEDU 807 Analysis Date: 03/26/08 Sampling Date: 03/25/08 Sample Type: SOIL Sample Condition: INTACT Sample Received By: CK Analyzed By: HM

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|                        |              | Cl      |
|------------------------|--------------|---------|
| LAB NUMBER             | SAMPLE ID    | (mg/kg) |
| H14505-1               | T2 SP2 5'    | < 16    |
| H14505-2               | T2 SP2 10'   | 32      |
| H14505-3               | T2 SP2 15'   | 272     |
| H14505-4               | T2 SP2 20'   | 144     |
| H14505-5               | T12 SP2 5'   | 48      |
| H14505-6               | T12 SP2 10'  | 208     |
| H14505-7               | T12 SP2 15'  | 304     |
| H14505-8               | T12 SP2 20'  | 224     |
|                        |              |         |
| Quality Control        |              | 500     |
| True Value QC          |              | 500     |
| % Recovery             |              | 100     |
| <b>Relative Percen</b> | t Difference | < 0.1   |

METHOD: Standard Methods Note: Analyses performed on 1:4 w.v aqueous extracts.

S. M. Mar

Chemist

03-2608 Date

4500-CFB

PLEASE NOTE Liability and Demages. Cerdinal's liability and client's exclusive remady for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyse. All claims, including those for needsproc and any other cause whetsever shall be deemed waived unless made in writing and reactived by Cardinal within likity (30) days after completion of the applicab service. The Word over descriptions for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiarie articlates or successors arising out of or related to the performance of services hereunder by Cardinal, regerdiess of whether such claim is based upon any of the above-claied reasons or otherwise. Result relate only to the samples identified above. This report shall not be reproduced except in full with writien approval of Cardinal Laboratories.

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| A                | RDINAL LAB<br>101 East Martan                                                                                    | ORATORI                 | ES              |           |                    |           |                    |                 |         |       |          |                        |      | <u>(</u>                               | CHAIN                | <u>-O</u> F   | (    | CUST          | <u>00)</u> |       | <u>ID A</u> |               | <u>LY5</u> | <u>315 F</u>                    | <u> </u> | <u>208</u>              | <u>=st</u>   | _            |
|------------------|------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------|-----------|--------------------|-----------|--------------------|-----------------|---------|-------|----------|------------------------|------|----------------------------------------|----------------------|---------------|------|---------------|------------|-------|-------------|---------------|------------|---------------------------------|----------|-------------------------|--------------|--------------|
|                  | (605) 393-232                                                                                                    | 6 Fax (605) 39          | 3-2476          |           |                    |           |                    |                 |         |       |          |                        |      |                                        |                      |               |      |               |            |       |             |               | Pa         | ge                              | _ of     |                         | _            |              |
| Company Name     | - PHILIC A                                                                                                       |                         |                 |           |                    |           |                    |                 | BILL TO |       |          |                        |      |                                        |                      |               |      |               |            | AN/   | LY!         | SIS F         | EQI        | UEST                            | _        | _                       | <u> </u>     |              |
|                  |                                                                                                                  |                         |                 |           |                    |           | P.O. #:            |                 |         |       |          |                        |      |                                        | Т                    |               | T    |               | T          |       |             | T             | T          | T                               |          |                         |              |              |
| Address P. c     |                                                                                                                  | K+9                     |                 |           |                    |           |                    | Company: Acache |         |       |          |                        |      | 1                                      |                      |               |      |               |            |       |             |               |            |                                 |          |                         |              |              |
| City Suc         |                                                                                                                  | State: (                |                 | : 3       | 82                 | 3.        | L                  |                 | A       | រោះ   |          |                        |      |                                        |                      | 1             |      |               |            |       |             |               | ł          |                                 |          |                         |              |              |
| Phone : 30       | 2-41800                                                                                                          | Fax #: 3                | art.            | 24        | 25                 | Ξ         |                    |                 | Ad      | dre   |          |                        |      |                                        |                      | 1             |      |               |            |       |             |               |            |                                 |          |                         |              | 1            |
| Project #        |                                                                                                                  | Project Ow              | /ner:           |           |                    |           |                    |                 | Ci      | y:    |          |                        |      |                                        |                      | 1             |      |               |            |       |             |               |            |                                 |          |                         |              |              |
| Project Name     | •                                                                                                                |                         |                 |           |                    |           |                    |                 | 50      | nte : |          |                        | Zij  | ot:                                    |                      | 1             |      |               |            |       |             |               |            |                                 |          |                         |              |              |
| Project Location | DR , Frod , In                                                                                                   | 57                      |                 |           |                    |           |                    |                 | Ph      | on    | ı di;    |                        |      | ······                                 |                      | 1             |      |               |            |       |             |               |            |                                 |          | - i                     |              |              |
| Sampler Name:    | L b-bl-C                                                                                                         |                         | Te              | ~^        | J. ť               | 5         | -                  |                 |         | 200   | _        |                        |      |                                        |                      | 1             |      |               |            |       |             |               |            |                                 |          | - 1                     |              |              |
| PORIARUSEONLY    |                                                                                                                  |                         |                 |           |                    | 1         | AIR                | ЦХ              |         |       |          | ERV.                   |      | SAMPLI                                 | NO.                  | Í             |      |               |            |       |             |               |            |                                 | ł        | - 1                     |              |              |
| {                |                                                                                                                  |                         | - 19            | Ι.        |                    |           |                    |                 |         |       |          |                        |      |                                        |                      | 1 8           | 1    | 1             | 1          |       |             |               | 1          |                                 |          | - 1                     |              |              |
|                  | 0                                                                                                                |                         | (GAMI OR (C)ONP | CONTAMERS | <b>GROUNDWATER</b> | ä         |                    |                 |         |       |          |                        |      |                                        |                      | L huit        |      | 1             |            |       |             |               |            |                                 |          |                         |              |              |
| Lab I.D.         | Sample                                                                                                           | e I.D.                  | ۴.              | 2         | Ē                  | NN.       |                    | l u             | 5       | Ŋ     | ģ        |                        |      |                                        |                      | 17            |      | 1             |            |       |             | 1             |            |                                 | -        |                         |              |              |
| 4                |                                                                                                                  |                         | - I ₹           | ΙĀ.       | B                  | WEIEWATER | g :                | SU LIDEF        |         |       | DCC/COOL | OTHER                  |      |                                        |                      |               |      |               |            |       |             |               |            | 1                               |          |                         |              |              |
| H14505-1         | T7 587                                                                                                           | 5'                      | _ ≗             | Ĭ.        | 3                  | 3         | 81                 |                 | ЦБ      | 12    | <u>a</u> |                        |      | DATE                                   | TIME                 | ĻŞ            | 4    |               |            |       | $\perp$     |               | ┶          |                                 | _        |                         |              |              |
| -2               | La de                                                                                                            | 101                     |                 | ┢━        |                    |           | 补                  | ╶┼╍             | ╋       | -     | -        | ┢╌╽                    | μ    | 2503                                   |                      | <del>I(</del> | ┿╍   |               |            |       |             |               |            |                                 | _        |                         |              |              |
| • 1              | $\rightarrow$                                                                                                    | 15'                     |                 | ┟━╴       | $\left  - \right $ | $\dashv$  | ╬                  |                 | ╋       | -     | ╞        | ┝╌╢                    | ┝    | $\left  \right $                       |                      | $\vdash$      | ╈    |               | +          |       |             |               | _ _        |                                 | 4        |                         |              | L            |
| -4               | $\leftarrow$                                                                                                     | -20'                    |                 | <b>†</b>  |                    |           | ╢                  | ┿               | ╬┯      | -     | -        | $\left  \cdot \right $ | ┝─   |                                        |                      | ⊬             | ╋    |               |            |       | +-          |               |            | -                               | 4        |                         |              |              |
| -5               | T12 502                                                                                                          | 5'                      |                 |           |                    |           | ╬                  | ╈               | +       |       |          | ┼╾┤                    | -    | +                                      |                      | H-            | ╋    | _ <del></del> | ╺┼──       | +     | +           |               | +          |                                 | ┽        |                         |              | L            |
| -6               |                                                                                                                  | 0'                      |                 |           |                    |           | ╬                  | ┿╸              | +-      |       | ┝        | $\vdash$               | ┝─   | -(                                     |                      | ┝             | ╀    |               |            | ╺┼╼── |             |               |            | _ _                             | +        |                         |              | <u> </u>     |
| -7               |                                                                                                                  | - 151                   | _ -             |           |                    | +         | th                 | +-              | +       | -     |          | +                      | ┝╾   | $\rightarrow$                          |                      | H             | ╋    |               |            |       |             | -             | +          |                                 | -        |                         |              | <u> </u>     |
| -8               |                                                                                                                  | ZE'                     |                 |           | Γİ                 | -         | tt                 | +               |         |       |          |                        |      | ┽┤                                     |                      | ┝┝            | ╋    |               | +          | +     | ╡╌╌         |               | +          |                                 | +        | $\rightarrow$           |              |              |
|                  |                                                                                                                  |                         |                 |           |                    |           | 4                  |                 |         |       |          |                        |      |                                        |                      | ┝╴            | $^+$ |               |            |       | ╈           | ╧             |            |                                 | ╧╋       |                         |              | <u> </u>     |
|                  |                                                                                                                  |                         |                 |           |                    |           |                    | T               |         |       |          | $\vdash$               |      |                                        |                      |               | ┢    |               | +          |       | ┼╌          |               |            | -+-                             | ┿        | -+                      | -            |              |
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| Sampler Reling   | the days of the balance of the same frame                                                                        | AND STREET              |                 |           |                    | 1.        | i lagian<br>Ny fas |                 | inn ai  |       |          | 1 18 yrs<br>2 19 99    |      | angenet by all                         |                      | <b>.</b>      |      |               |            |       |             | to of earlier |            |                                 |          | inina anisi<br>Maleta y | يرو السلامين | e of Hellin, |
|                  |                                                                                                                  |                         |                 | celv      | led .              | By:       |                    |                 |         |       |          |                        |      |                                        | Phone Rei            | 6U/12         | - C  | Yes C         | No<br>No   | Add   |             |               | 9.4        | <u>5 - U</u>                    | 78       | 志                       | 5            | -            |
| 1 have           | (-adden                                                                                                          | Time:                   |                 |           |                    |           |                    |                 |         |       |          |                        |      |                                        | Paz Rosla<br>Remarka |               |      |               |            |       |             |               |            |                                 |          |                         | 1977         | [4 8         |
| Relinquished By  | 0                                                                                                                | 3250                    | O A             | CON       | ÷ġ,                | By:       |                    | ,               | -       |       |          |                        |      |                                        | CIT                  | Sol           | 1    | 18-1          | 200        | 98    |             |               |            |                                 |          |                         |              |              |
| / haui           | ( - broom.                                                                                                       | 17:0                    | <u>ч</u> /      |           | (].                | 1         | $\mathbb{Z}$       | 1.              |         | •     |          |                        |      |                                        | -                    |               |      | -             |            |       |             |               |            |                                 |          |                         |              |              |
| Delivered By:    | TCIrcle One)                                                                                                     | 1230                    | Tell            | <u>م</u>  |                    | ×         | zia C              |                 | Y       | ~     | і<br>Сы  | ECK                    |      |                                        |                      |               |      |               |            |       |             |               |            |                                 |          |                         |              | 132          |
| Sampler - UPS    | - Bus - Other:                                                                                                   |                         | 1               |           |                    | edi       | ini<br>/ee [       | Y               |         |       |          | (Iniți                 | hin) |                                        |                      |               |      |               |            |       |             |               |            |                                 |          |                         |              |              |
|                  |                                                                                                                  |                         | 12              | 1         | G                  | H         | No                 | 1 TO<br>1 N.    |         |       | 0        | k                      | Ċ    |                                        |                      |               |      |               |            |       |             |               |            |                                 |          |                         |              |              |

Cardinal cannot accept verbal changes. Please fax written changes to 676-393-2476.

# APPENDIX D SITE PHOTOGRAPHS OF CURRENT CONDITIONS



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### APPENDIX E LABORATORY REPORT SUMMARY



August 27, 2019

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

RE: NEDU #807

Enclosed are the results of analyses for samples received by the laboratory on 08/22/19 16:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celeg & Kune

Celey D. Keene Lab Director/Quality Manager

Received by OCD: 10/30/2019 2:35:01 PM



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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:<br>Reported: | 08/22/2019<br>08/27/2019 | Sampling Date:<br>Sampling Type: | 08/22/2019<br>Soil |
|------------------------|--------------------------|----------------------------------|--------------------|
| Project Name:          | NEDU #807                | Sampling Condition:              | Cool & Intact      |
| Project Number:        | NONE GIVEN               | Sample Received By:              | Tamara Oldaker     |
| Project Location:      | NONE GIVEN               |                                  |                    |

#### Sample ID: SP - 1 @ SURFACE 32.46479 (H902895-01)

Chloride, SM4500CI-B mg/kg Analyzed By: AC

| Analyte  | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
|----------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Chloride | <16.0  | 16.0            | 08/26/2019 | ND           | 416 | 104        | 400           | 0.00 |           |

#### Sample ID: SP - 1 @ 1 -103.14889 (H902895-02)

| BTEX 8021B     | mg/    | /kg             | Analyze    | d By: ms     |      |            |               |      |           |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/24/2019 | ND           | 1.68 | 83.8       | 2.00          | 3.40 |           |
| Toluene*       | <0.050 | 0.050           | 08/24/2019 | ND           | 1.84 | 92.2       | 2.00          | 1.47 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/24/2019 | ND           | 1.98 | 98.8       | 2.00          | 1.53 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/24/2019 | ND           | 5.90 | 98.3       | 6.00          | 1.11 |           |
| Total BTEX     | <0.300 | 0.300           | 08/24/2019 | ND           |      |            |               |      |           |
|                |        |                 |            |              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIL

73.3-129 93.6%

| Chloride, SM4500CI-B      | mg     | /kg             | Analyze    | d By: AC     |               |            |               |       |           |
|---------------------------|--------|-----------------|------------|--------------|---------------|------------|---------------|-------|-----------|
| Analyte                   | Result | Reporting Limit | Analyzed   | Method Blank | BS % Recovery | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                  | <16.0  | 16.0            | 08/26/2019 | ND           | 416           | 104        | 400           | 0.00  |           |
| TPH 8015M                 | mg     | /kg             | Analyze    | d By: MS     |               |            |               |       |           |
| Analyte                   | Result | Reporting Limit | Analyzed   | Method Blank | BS            | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*               | <10.0  | 10.0            | 08/26/2019 | ND           | 192           | 95.8       | 200           | 0.189 |           |
| DRO >C10-C28*             | <10.0  | 10.0            | 08/26/2019 | ND           | 190           | 95.0       | 200           | 4.12  |           |
| EXT DRO >C28-C36          | <10.0  | 10.0            | 08/26/2019 | ND           |               |            |               |       |           |
| Surrogate: 1-Chlorooctane | 96.7   | % 41-142        | ?          |              |               |            |               |       |           |

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

| Received:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |
|                   |            |                     |                |

#### Sample ID: SP - 1 @ 1 -103.14889 (H902895-02)

| TPH 8015M                     | mg/    |                 | Analyz   | ed By: MS    |    |            | -             |     |           |
|-------------------------------|--------|-----------------|----------|--------------|----|------------|---------------|-----|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Surrogate: 1-Chlorooctadecane | 107 5  | % 37_6-147      |          |              |    |            |               |     |           |

#### Sample ID: SP - 1 @ 2 (H902895-03)

| Chloride, SM4500CI-B | mg/    | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/26/2019 | ND           | 416 | 104        | 400           | 0.00 |           |

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\*=Accredited Analyte

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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:                            | 08/22/2019               | Sampling Date:      | 08/22/2019     |
|--------------------------------------|--------------------------|---------------------|----------------|
| Reported:                            | 08/27/2019               | Sampling Type:      | Soil           |
| Project Name:                        | NEDU #807                | Sampling Condition: | Cool & Intact  |
| Project Number:<br>Project Location: | NONE GIVEN<br>NONE GIVEN | Sample Received By: | Tamara Oldaker |

#### Sample ID: SP - 1 @ 3 (H902895-04)

**BTEX 8021B** mg/kg Analyzed By: ms Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier 8enzene\* < 0.050 0.050 08/24/2019 ND 1.68 83.8 2.00 3.40 0.050 92.2 Toluene\* < 0.050 08/24/2019 ND 1.84 2.00 1.47 Ethylbenzene\* <0.050 0.050 08/24/2019 ND 1.98 98.8 2.00 1.53 Total Xylenes\* <0.150 0.150 08/24/2019 ND 5.90 98.3 6.00 1.11 Total BTEX 08/24/2019 < 0.300 0.300 ND

73.3-129 Surrogate: 4-Bromofluorobenzene (PIE 92.5 %

| Chloride, SM4500CI-B          | mg/    | 'kg             | Analyze    | d By: AC        |     |            |               |       |           |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                      | 16.0   | 16.0            | 08/26/2019 | ND              | 416 | 104        | 400           | 0.00  |           |
| TPH 8015M                     | mg/    | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank    | BŞ  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 08/26/2019 | ND              | 192 | 95.8       | 200           | 0.189 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 08/26/2019 | ND              | 190 | 95.0       | 200           | 4.12  |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 08/26/2019 | ND              |     |            |               |       |           |
| Surrogate: 1-Chlorooctane     | 98.2   | % 41-142        | •          |                 |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 109 9  | 37.6-14         | 7          |                 |     |            |               |       |           |

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#### Analytical Results For:

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

| Received:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

#### Sample ID: SP - 1 @ 4 (H902895-05)

| Chloride, SM4500CI-B | mg,    | /kg             | Analyze    | d By: AC     |     |            |               |      | -         |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/26/2019 | ND           | 416 | 104        | 400           | 0.00 |           |

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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:                            | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|--------------------------------------|------------|---------------------|----------------|
| Reported:                            | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:                        | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:<br>Project Location: | NONE GIVEN | Sample Received By: | Tamara Oldaker |

#### Sample ID: SP - 1 @ 5 (H902895-06)

**BTEX 8021B** mg/kg Analyzed By: ms True Value QC Analyte Result **Reporting Limit** Analyzed Method Blank BS % Recovery RPD Qualifier Benzene\* <0.050 0.050 08/24/2019 ND 1.68 83.8 2.00 3.40 < 0.050 0.050 08/24/2019 ND 92.2 2.00 1.47 Toluene\* 1.84 Ethylbenzene\* <0.050 0.050 08/24/2019 ND 1.98 98.8 2.00 1.53 Total Xylenes\* <0.150 0.150 08/24/2019 ND 5.90 98.3 6.00 1.11 Total BTEX 0.300 08/24/2019 ND < 0.300

Surrogate: 4-Bromofluorobenzene (PIE 91.3 % 73.3-129

| Chloride, SM4500CI-8          | mg,    | /kg             | Analyze    | d By: AC     |     |            |               |       |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                      | <16.0  | 16.0            | 08/26/2019 | ND           | 416 | 104        | 400           | 0.00  |           |
| TPH 8015M                     | mg,    | /kg             | Analyze    | d By: MS     |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 08/26/2019 | ND           | 192 | 95.8       | 200           | 0.189 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 08/26/2019 | ND           | 190 | 95.0       | 200           | 4.12  |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 08/26/2019 | ND           |     |            |               |       |           |
| Surrogate: 1-Chlorooctane     | 101    | % 41-142        | ?          |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | Ш      | % 37.6-14       | 7          |              |     |            |               |       |           |

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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:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

#### Sample ID: SP - 2 @ SURFACE 32.464783 (H902895-07)

| Chloride, SM4500CI-B | mg,    | 'kg             | Analyze    | d By: AC     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/26/2019 | ND           | 416 | 104        | 400           | 0.00 |           |

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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:                            | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|--------------------------------------|------------|---------------------|----------------|
| Reported:                            | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:                        | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:                      | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Number:<br>Project Location: | NONE GIVEN | Sample Received By: | Tamara Oloaker |

#### Sample ID: SP - 2 @ 1 -103.149106 (H902895-08)

**BTEX 8021B** mg/kg Analyzed By: ms Reporting Limit Analyte Result Analyzed Method Blank BS % Recovery True Value OC RPD Oualifier Benzene\* <0.050 0.050 08/24/2019 ND 1.68 83.8 2.00 3.40 Toluene\* < 0.050 0.050 08/24/2019 ND 92.2 2.00 1.84 1.47 Ethylbenzene\* <0.050 0.050 08/24/2019 ND 1.98 98.8 2.00 1.53 Total Xylenes\* <0.150 0.150 08/24/2019 ND 5.90 98.3 6.00 1.11 Total BTEX <0.300 0.300 08/24/2019 ND Surrogate: 4-Bromofluorobenzene (PIL 93.8% 73.3-129 Chloride, SM4500CI-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BŞ % Recovery True Value QC RPD Qualifier Chloride <16.0 16.0 08/26/2019 ND 416 104 400 0.00 **TPH 8015M** mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS True Value QC RPD Qualifier % Recovery GRO C6-C10\* <10.0 10.0 08/26/2019 ND 200 192 95.8 0.189 DRO >C10-C28\* <10.0 10.0 08/26/2019 ND 190 95.0 200 4.12 EXT DRO >C28-C36 08/26/2019 <10.0 10.0 ND Surrogate: I-Chlorooctane 90.6 % 41-142

Surrogate: 1-Chlorooctadecane 99.5 %

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

| Received:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN | - 1 100 U           |                |

#### Sample ID: SP - 2 @ 2 (H902895-09)

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| Chloride, SM4500CI-B | mg/kg  |                 |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 08/26/2019 | ND              | 416 | 104        | 400           | 0.00 |           |

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

| Received:                            | 08/22/2019               | Sampling Date:      | 08/22/2019     |
|--------------------------------------|--------------------------|---------------------|----------------|
| Reported:                            | 08/27/2019               | Sampling Type:      | Soil           |
| Project Name:                        | NEDU #807                | Sampling Condition: | Cool & Intact  |
| Project Number:<br>Project Location: | NONE GIVEN<br>NONE GIVEN | Sample Received By: | Tamara Oldaker |

#### Sample ID: SP - 2 @ 3 (H902895-10)

| BTEX 8021B     | mg,    | /kg             | Analyzed By: ms |              |            |            |               |      |           |
|----------------|--------|-----------------|-----------------|--------------|------------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed        | Method Blank | <b>8</b> S | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/24/2019      | ND           | 1.68       | 83.8       | 2.00          | 3.40 |           |
| Toluene*       | <0.050 | 0.050           | 08/24/2019      | ND           | 1.84       | 92.2       | 2.00          | 1.47 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/24/2019      | ND           | 1.98       | 98.8       | 2.00          | 1.53 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/24/2019      | ND           | 5.90       | 98.3       | 6.00          | 1.11 |           |
| Total BTEX     | <0.300 | 0.300           | 08/24/2019      | ND           |            |            |               |      |           |
|                |        |                 |                 |              |            |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIL 92.8 % 73.3-129

| 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            | 08/26/2019      | ND           | 416 | 104        | 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            | 08/26/2019      | ND           | 192 | 95.8       | 200           | 0.189 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 08/26/2019      | ND           | 190 | 95.0       | 200           | 4.12  |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 08/26/2019      | ND           |     |            |               |       |           |
| Surrogate: 1-Chlorooctane     | 96.9   | % 41-142        | 2               |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 105    | % 37.6-14       | 7               |              |     |            |               |       |           |

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

| Received:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

#### Sample ID: SP - 2 @ 4 (H902895-11)

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| Chloride, SM4500CI-B | CI-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            | 08/26/2019 | ND              | 432 | 108        | 400           | 3.77 |           |

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## **CARDINAL** Laboratories

#### Analytical Results For:

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

| Received:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN | Sample Received by. | Tamara Oldaker |

#### Sample ID: SP - 2 @ 5 (H902895-12)

| BTEX 8021B     | . mg,  | /kg             | Analyze    | d By: ms     |      |            |               |      |           |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/24/2019 | ND           | 1.68 | 83.8       | 2.00          | 3.40 |           |
| Toluene*       | <0.050 | 0.050           | 08/24/2019 | ND           | 1.84 | 92.2       | 2.00          | 1.47 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/24/2019 | ND           | 1.98 | 98.8       | 2.00          | 1.53 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/24/2019 | ND           | 5.90 | 98.3       | 6.00          | 1.11 |           |
| Total BTEX     | <0.300 | 0.300           | 08/24/2019 | ND           |      |            |               |      |           |
|                |        |                 |            |              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIL 94.7 % 73.3-129

| Chloride, SM4500CI-B          | mg,    | /kg             | Analyze    | d By: AC     |                  |            |               |       |           |
|-------------------------------|--------|-----------------|------------|--------------|------------------|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS               | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                      | 48.0   | 16.0            | 08/26/2019 | ND           | 432              | 108        | 400           | 3.77  |           |
| TPH 8015M                     | mg,    | /kg             | Analyze    | d By: MS     |                  |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BŞ               | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 08/26/2019 | ND           | 1 <del>9</del> 2 | 95.8       | 200           | 0.189 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 08/26/2019 | ND           | 190              | 95.0       | 200           | 4.12  |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 08/26/2019 | ND           |                  |            |               |       |           |
| Surrogate: 1-Chlorooctane     | 102    | % 41-142        |            |              |                  |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 111 9  | % 37.6-14       | 7          |              |                  |            |               |       |           |

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

| Received:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

#### Sample ID: SP - 3 @ SURFACE 32.464792 (H902895-13)

| Chloride, SM4500CI-B | mg/    | 'kg             | Analyze    | d By: AC     |     |            |               |      | _         |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/26/2019 | ND           | 432 | 108        | 400           | 3.77 |           |

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102

RPD

1.03

0.837

3.20

2.59

6.00

Qualifier

#### Analytical Results For:

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

| Received:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN | Sumple Received by  |                |

#### Sample ID: SP - 3 @ 1 -103.148714 (H902895-14)

**BTEX 8021B** mg/kg Analyzed By: ms Analyte Result **Reporting Limit** Analyzed Method Blank BS % Recovery True Value QC <0.050 0.050 08/26/2019 Benzene\* ND 1.67 83.6 2.00 Toluene\* < 0.050 0.050 08/26/2019 ND 1.87 93.4 2.00 0.050 Ethylbenzene\* <0.050 08/26/2019 ND 98.5 2.00 1.97 **Total Xylenes\*** 

08/26/2019

08/26/2019

Surrogate: 4-Bromofluorobenzene (PIL 93.8% 73.3-129

<0.150

<0.300

0.150

0.300

| Chloride, SM4500CI-B          | mg/    | /kg             | Analyze    | d By: AC     |     |            |               |       |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                      | <16.0  | 16.0            | 08/26/2019 | ND           | 432 | 108        | 400           | 3.77  |           |
| TPH 8015M                     | mg/    | /kg             | Analyze    | d By: MS     |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 08/26/2019 | ND           | 192 | 95.8       | 200           | 0.189 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 08/26/2019 | ND           | 190 | 95.0       | 200           | 4.12  |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 08/26/2019 | ND           |     |            |               |       |           |
| Surrogate: 1-Chlorooctane     | 95.2   | % 41-142        | 2          |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 104 9  | 37.6-14         | 7          |              |     |            |               |       |           |

ND

ND

6.13

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Total BTEX

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

| Received:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

#### Sample ID: SP - 3 @ 2 (H902895-15)

| Chloride, SM4500CI-B | mg,    | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/26/2019 | ND           | 432 | 108        | 400           | 3.77 |           |

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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:<br>Reported:<br>Project Name:<br>Project Number:<br>Project Location: | 08/22/2019<br>08/27/2019<br>NEDU #807<br>NONE GIVEN<br>NONE GIVEN | Sampling Date:<br>Sampling Type:<br>Sampling Condition:<br>Sample Received By: | 08/22/2019<br>Soil<br>Cool & Intact<br>Tamara Oldaker |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------|
|---------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------|

#### Sample ID: SP - 3 @ 3 (H902895-16)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: ms     |               |                  |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|---------------|------------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS            | % Recovery       | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 08/26/2019 | ND           | 1.67          | 83.6             | 2.00          | 1.03  |           |
| Toluene*                             | <0.050 | 0.050           | 08/26/2019 | ND           | 1.87          | 93.4             | 2.00          | 0.837 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 08/26/2019 | ND           | 1. <b>9</b> 7 | <del>9</del> 8.5 | 2.00          | 3.20  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 08/26/2019 | ND           | 6.13          | 102              | 6.00          | 2.59  |           |
| Total BTEX                           | <0.300 | 0.300           | 08/26/2019 | ND           |               |                  |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PIL | 94.2 9 | % 73.3-12       | 9          |              |               |                  |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |               |                  |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS            | % Recovery       | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 08/26/2019 | ND           | 432           | 108              | 400           | 3.77  |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |               |                  |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS            | % Recovery       | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 08/26/2019 | ND           | 192           | 95.8             | 200           | 0.189 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 08/26/2019 | ND           | 190           | 95.0             | 200           | 4.12  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 08/26/2019 | ND           |               |                  |               |       |           |
| Surrogate: 1-Chloropetane            | 102 9  | % 41-142        | 2          |              |               |                  |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 111 9  | 6 37.6-14       | 7          |              |               |                  |               |       |           |

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| Received:                            | 08/22/2019               | Sampling Date:      | 08/22/2019     |
|--------------------------------------|--------------------------|---------------------|----------------|
| Reported:                            | 08/27/2019               | Sampling Type:      | Soil           |
| Project Name:                        | NEDU #807                | Sampling Condition: | Cool & Intact  |
| Project Number:<br>Project Location: | NONE GIVEN<br>NONE GIVEN | Sample Received By: | Tamara Oldaker |

#### Sample ID: SP - 3 @ 4 (H902895-17)

| Chloride, SM4500CI-B | mg/    | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 08/26/2019 | ND           | 432 | 108        | 400           | 3.77 |           |

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

| Received:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |
|                   |            |                     |                |

#### Sample ID: SP - 3 @ 5 (H902895-18)

| BTEX 8021B     | mg/    | mg/kg           |            | d By: ms     |      |            |               |       |           |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/26/2019 | ND           | 1.67 | 83.6       | 2.00          | 1.03  |           |
| Toluene*       | <0.050 | 0.050           | 08/26/2019 | ND           | 1.87 | 93.4       | 2.00          | 0.837 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/26/2019 | ND           | 1.97 | 98.5       | 2.00          | 3.20  |           |
| Total Xylenes* | <0.150 | 0.150           | 08/26/2019 | ND           | 6.13 | 102        | 6.00          | 2.59  |           |
| Total BTEX     | <0.300 | 0.300           | 08/26/2019 | ND           |      |            |               |       |           |
|                |        |                 |            |              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIE 94.9 % 73.3-129

| Chloride, SM4500Cl-B          | mg,    | /kg             | Analyze    | d By: AC     |     |            |               |       |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                      | 16.0   | 16.0            | 08/26/2019 | ND           | 432 | 108        | 400           | 3.77  |           |
| TPH 8015M                     | mg/kg  |                 | Analyze    | d By: MS     |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 08/27/2019 | ND           | 205 | 102        | 200           | 0.789 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 08/27/2019 | ND           | 215 | 107        | 200           | 5.05  |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 08/27/2019 | ND           |     |            |               |       |           |
| Surrogate: 1-Chlorooctane     | 94.9   | % +1-1+2        | ,          |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 104    | 37.6-14         | 7          |              |     |            |               |       |           |

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| Received:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

#### Sample ID: SP - 4 @ SURFACE 32.464619 (H902895-19)

| Chloride, SM4500CI-B |        |                 |            |              |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/26/2019 | ND           | 432 | 108        | 400           | 3.77 |           |

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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:                            | 08/22/2019               | Sampling Date:      | 08/22/2019     |
|--------------------------------------|--------------------------|---------------------|----------------|
| Reported:                            | 08/27/2019               | Sampling Type:      | Soil           |
| Project Name:                        | NEDU #807                | Sampling Condition: | Cool & Intact  |
| Project Number:<br>Project Location: | NONE GIVEN<br>NONE GIVEN | Sample Received By: | Tamara Oldaker |

#### Sample ID: SP - 4 @ 1 -103.148797 (H902895-20)

**BTEX 8021B** Analyzed By: ms mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD < 0.050 0.050 Benzene\* 08/26/2019 ND 1.67 83.6 2.00 1.03 Toluene\* < 0.050 0.050 08/26/2019 ND 1.87 93.4 2.00 0.837 Ethylbenzene\* <0.050 0.050 08/26/2019 98.5 2.00 ND 1.97 3.20 Total Xylenes\* <0.150 0.150 08/26/2019 ND 102 2.59 6.13 6.00 Total BTEX <0.300 0.300 08/26/2019 ND

Surrogate: 4-Bromofluorobenzene (PIL 94.5 % 73.3-129

| Chloride, SM4500CI-B          | mg,    | /kg             | Analyze    | d By: AC     |     |            |               |       |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                      | <16.0  | 16.0            | 08/26/2019 | ND           | 432 | 108        | 400           | 3.77  |           |
| TPH 8015M                     | mg,    | /kg             | Analyze    | d By: MS     |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 08/27/2019 | ND           | 205 | 102        | 200           | 0.789 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 08/27/2019 | ND           | 215 | 107        | 200           | 5.05  |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 08/27/2019 | ND           |     |            |               |       |           |
| Surrogate: 1-Chlorooctane     | 99.1   | % 41-142        | ?          |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 106    | % 37.6-14       | 7          |              |     |            |               |       |           |

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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:         | 08/22/2019 | Sampling Date:                          | 08/22/2019     |
|-------------------|------------|-----------------------------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:                          | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition:                     | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By:                     | Tamara Oldaker |
| Project Location: | NONE GIVEN | - , , , , , , , , , , , , , , , , , , , |                |

#### Sample ID: SP - 4 @ 2 (H902895-21)

| Chloride, SM4500CI-B | mg,    | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 08/26/2019 | ND           | 432 | 108        | 400           | 3.77 |           |

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# **CARDINAL** Laboratories

#### 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 (575) 393-2432 Fax To:

| Received:                            | 08/22/2019               | Sampling Date:      | 08/22/2019     |
|--------------------------------------|--------------------------|---------------------|----------------|
| Reported:                            | 08/27/2019               | Sampling Type:      | Soil           |
| Project Name:                        | NEDU #807                | Sampling Condition: | Cool & Intact  |
| Project Number:<br>Project Location: | NONE GIVEN<br>NONE GIVEN | Sample Received By: | Tamara Oldaker |

#### Sample ID: SP - 4 @ 3 (H902895-22)

**BTEX 8021B** mg/kg Analyzed By: ms Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier 0.050 08/26/2019 ND < 0.050 1.67 83.6 2.00 1.03 Benzene\* < 0.050 0.050 08/26/2019 ND 93.4 2.00 0.837 Toluene\* 1.87 Ethylbenzene\* < 0.050 0.050 08/26/2019 ND 1.97 98.5 2.00 3.20 Total Xylenes\* 0.150 08/26/2019 ND 102 6.00 2.59 < 0.150 6.13 Total BTEX < 0.300 0.300 08/26/2019 ND

Surrogate: 4-Bromofluorobenzene (PIL 94.2 % 73.3-129

| Chloride, SM4500CI-B          | mg/    | kg              | Analyze    | d By: AC     |     |            |               |       |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                      | 16.0   | 16.0            | 08/26/2019 | ND           | 432 | 108        | 400           | 3.77  |           |
| TPH 8015M                     | mg/    | 'kg             | Analyze    | d By: MS     |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 08/27/2019 | ND           | 205 | 102        | 200           | 0.789 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 08/27/2019 | ND           | 215 | 107        | 200           | 5.05  |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 08/27/2019 | ND           |     |            |               |       |           |
| Surrogate: 1-Chlorooctane     | 101    | % 41-142        | ?          |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 112 9  | % 37.6-14       | 7          |              |     |            |               |       |           |

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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:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

#### Sample ID: SP - 4 @ 4 (H902895-23)

| Chloride, SM4500Cl-B mg/kg |        | Analyzed By: AC |            |              |     |            |               |      |           |
|----------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                   | 16.0   | 16.0            | 08/26/2019 | ND           | 432 | 108        | 400           | 3.77 |           |

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#### 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:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

#### Sample ID: SP - 4 @ 5 (H902895-24) RTEY ROOTE

| DIEX 8021D     | nıg/   | ĸġ              | Anaiyze    | Analyzed By: ms |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/26/2019 | ND              | 1.67 | 83.6       | 2.00          | 1.03  |           |
| Toluene*       | <0.050 | 0.050           | 08/26/2019 | ND              | 1.87 | 93.4       | 2.00          | 0.837 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/26/2019 | ND              | 1.97 | 98.5       | 2.00          | 3.20  |           |
| Total Xylenes* | <0.150 | 0.150           | 08/26/2019 | ND              | 6.13 | 102        | 6.00          | 2.59  |           |
| Total BTEX     | <0.300 | 0.300           | 08/26/2019 | ND              |      |            |               |       |           |
|                |        |                 |            |                 |      |            |               |       |           |

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Surrogate: 4-Bromofluorobenzene (PIL 95 5 % 73.3-129

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| Chloride, SM4500CI-B          | mg/kg  |                 | Analyzed By: AC |              |     |            |               |       |           |
|-------------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed        | Method Blank | 8S  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                      | 16.0   | 16.0            | 08/26/2019      | ND           | 432 | 108        | 400           | 3.77  |           |
| 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            | 08/27/2019      | ND           | 205 | 102        | 200           | 0.789 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 08/27/2019      | ND           | 215 | 107        | 200           | 5.05  |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 08/27/2019      | ND           |     |            |               |       |           |
| Surrogate: 1-Chlorooctane     | 101    | % 41-142        | •               |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 112    | % 37.6-14       | 7               |              |     |            |               |       |           |

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#### Analytical Results For:

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

| Received:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

#### Sample ID: SP - 5 @ SURFACE 32.464979 (H902895-25)

| Chloride, SM4500CI-B | hloride, SM4500Cl-B mg/kg |                 | Analyzed By: AC |              |     |            |               |      |           |
|----------------------|---------------------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result                    | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0                     | 16.0            | 08/26/2019      | ND           | 432 | 108        | 400           | 3.77 |           |

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

| Received:                            | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|--------------------------------------|------------|---------------------|----------------|
| Reported:                            | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:                        | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:<br>Project Location: | NONE GIVEN | Sample Received By: | Tamara Oldaker |

#### Sample ID: SP - 5 @ 1 -103.148935 (H902895-26)

BTEX 8021B mg/kg Analyzed By: ms

| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | 85   | % Recovery | True Value QC | RPD   | Qualifier |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Benzene*       | <0.050 | 0.050           | 08/26/2019 | ND           | 1.67 | 83.6       | 2.00          | 1.03  |           |
| Toluene*       | <0.050 | 0.050           | 08/26/2019 | ND           | 1.87 | 93.4       | 2.00          | 0.837 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/26/2019 | ND           | 1.97 | 98.5       | 2.00          | 3.20  |           |
| Total Xylenes* | <0.150 | 0.150           | 08/26/2019 | ND           | 6.13 | 102        | 6.00          | 2.59  |           |
| Total BTEX     | <0.300 | 0.300           | 08/26/2019 | ND           |      |            |               |       |           |
|                |        |                 |            |              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIE 95.4 % 73.3-129

| Chloride, SM4500CI-B          | mg/kg  |                 | Analyzed By: AC |              |     |            |               |       |           |
|-------------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                      | <16.0  | 16.0            | 08/26/2019      | ND           | 432 | 108        | 400           | 3.77  |           |
| TPH 8015M                     | mg,    | /kg             | Analyze         | d By: MS     |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                   | <10.0  | 10.0            | 08/27/2019      | ND           | 205 | 102        | 200           | 0.789 |           |
| DRO >C10-C28*                 | <10.0  | 10.0            | 08/27/2019      | ND           | 215 | 107        | 200           | 5.05  |           |
| EXT DRO >C28-C36              | <10.0  | 10.0            | 08/27/2019      | ND           |     |            |               |       |           |
| Surrogate 1-Chlorooctane      | 100    | % 41-142        | ?               |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 109    | % 37.6-14       | 7               |              |     |            |               |       |           |

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#### Analytical Results For:

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| Received:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

#### Sample ID: SP - 5 @ 2 (H902895-27)

| Chloride, SM4500CI-B mg/kg |        |                 | Analyzed By: AC |              |     |            |               |      |           |
|----------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                   | <16.0  | 16.0            | 08/26/2019      | ND           | 432 | 108        | 400           | 3.77 |           |

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#### Analytical Results For:

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

| Received:<br>Reported:               | 08/22/2019<br>08/27/2019 | Sampling Date:<br>Sampling Type: | 08/22/2019<br>Soil |
|--------------------------------------|--------------------------|----------------------------------|--------------------|
| Project Name:                        | NEDU #807                | Sampling Condition:              | Cool & Intact      |
| Project Number:<br>Project Location: | NONE GIVEN<br>NONE GIVEN | Sample Received By:              | Tamara Oldaker     |

#### Sample ID: SP - 5 @ 3 (H902895-28)

**BTEX 8021B** mg/kg Analyzed By: ms Analyzed Method Blank BS True Value QC RPD Qualifier Analyte Result **Reporting Limit** % Recovery Benzene\* <0.050 0.050 08/26/2019 ND 1.67 83.6 2.00 1.03 Toluene\* <0.050 0.050 08/26/2019 ND 1.87 93.4 2.00 0.837 Ethylbenzene\* <0.050 0.050 08/26/2019 ND 1.97 98.5 2.00 3.20 Total Xylenes\* <0.150 0.150 08/26/2019 ND 6.13 102 6.00 2.59 Total BTEX <0.300 0.300 08/26/2019 ND Surrogate: 4-Bromofluorobenzene (PIE 97.6% 73.3-129 Chloride, SM4500CI-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier ND Chloride 16.0 08/26/2019 432 108 400 3.77 16.0 **TPH 8015M** Analyzed By: MS mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier 08/27/2019 GRO C6-C10\* 10.0 ND <10.0 205 102 200 0.789 DRO >C10-C28\* <10.0 10.0 08/27/2019 ND 215 107 200 5.05 EXT DRO >C28-C36 08/27/2019 <10.0 10.0 ND 99.2% 41-142 Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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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:         | 08/22/2019 | Sampling Date:      | 08/22/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

#### Sample ID: SP - 5 @ 4 (H902895-29)

| Chioride, SM4500CI-B | mg     | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 08/26/2019 | ND           | 432 | 108        | 400           | 3.77 |           |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

#### **Notes and Definitions**

PLEASE NOTE: Liability and Damages. Cardinal's bability and chent's eviduavie remedy for any dawn ansing, whether based in contract an ton's shall be limited to the amount paid by chent for analyses. All dawns, including those for negligence and any other cause whatsoever shall be deemed waved 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 inodential or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by chent, its subsidiaries, affliates or successors ansing out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated masions or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full writh writizen approval of Cardinal.

| QR-03 | The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch<br>accepted based on LCS and/or LCSD recovery and/or RPD values. |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                                                                                                    |
| 2     | Chloride by SM4500CI-B does not require samples be received at or below 6°C                                                                                                                |
|       | Samples reported on an as received basis (wet) unless otherwise noted on report                                                                                                            |

**Cardinal Laboratories** 

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Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte

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Released to Linaging: 6/22/2022 9:23:39 AM



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 000-241 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                        |                                                                                 |                                   | - |
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| Project Manager: Bluce Pakel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | P.O. #                                                                                                                                                                                                 |                                                                                 |                                   |   |
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| City: Sta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | State: Zip:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Attn:                                                                                                                                                                                                  |                                                                                 |                                   |   |
| Phone #: Fax #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 井                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Address:                                                                                                                                                                                               |                                                                                 |                                   |   |
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| ame: NEDU SNZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | State: Zip:                                                                                                                                                                                            |                                                                                 |                                   |   |
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| 1 Sr-1 Surface 32.46479                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                        | <                                                                               |                                   |   |
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| 3 57-102                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                        |                                                                                 |                                   |   |
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| 6 8-125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                        | VVV                                                                             |                                   |   |
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| 9 50-202                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                                                                                                                                                                                      | V                                                                               |                                   |   |
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| P-EASE NOTE: Liability and Generges, Cardinal's lability and denit's exclusive enropidy or any chain a strain whether based to contrad or tort, stable fittings do the annunitytability the centrify the central version and the strain strain whether based to contrading the completion of the applicable service. In no event stall Cardinal within 30 days the completion of the applicable service. In no event stall Cardinal within 30 days the completion of the applicable service. In no event stall Cardinal within 30 days the completion of the applicable service. In no event stall Cardinal within 30 days the completion of the applicable service. In no event stall Cardinal within 30 days the completion of the applicable service. In no event stall Cardinal within 50 days the completion of the applicable service in the service standard or to a stable service here and an another to Cardinal within 40 days the completion of the applicable service. In no event stall Cardinal within 50 days the completion of the applicable service in the service standard or to applicable service here and the service standard service here and the service here and the service standard service here and the service standard service here and the service here and the service standard service here and the service standard service here and the service standard service standard service standard service standard service standards and the service standard service standards and the service stan | This exclusive remedy for any claim a training whether based in contract or text shall be firmad to the annoval field by the detent for the<br>surger whatscorver shall be deemed waired unless made in writing and received by Catalmai within 30 days after completion of the<br>questal damages. Including without instantion, business internuptions, bas of uses of posts inclumed by Catent, its subsidiate<br>of services herwarder has Catental examples of whether such chaim is based uncomerced the above stands reasons no cohardes. | et or toot, shall be firmised to the amount paid by<br>nd received by Cardinal within 30 days after<br>to based union and of positis incurred by client<br>to based union and of the above stated name | the clent for the sphicable<br>reletion of the sphicable<br>, its subsidiaries. |                                   |   |
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| Relinquished By: Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | e: Received By:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ( Miller Marth)                                                                                                                                                                                        | 1 to Br                                                                         | e and wett                        |   |
| Delivered By: (Circle One) / C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Han                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | tion CHECKED BY:                                                                                                                                                                                       |                                                                                 |                                   |   |
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| California and a series (10/10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tiel a. & HINO NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 40                                                                                                                                                                                                     |                                                                                 |                                   |   |

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Received by OCD: 10/30/2019 2:35:01 PM



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name-                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                |                                   |                         |
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| Project Manager: Bruce                                       | Bruge Bakar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                              | P.O. #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                   |                         |
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| Project #:                                                   | Project Owner:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | er:                                                                                          | City:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                |                                   |                         |
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| Project Location:                                            | NEDU 807                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                              | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                |                                   |                         |
| Sampler Name:                                                | Daniel Ruster                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                              | Fax #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                   |                         |
| FOR LAB USE ONLY                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MATRIX                                                                                       | PRESERV SAMPLING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                |                                   |                         |
| Lab I.D.                                                     | Sample I.D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OR (C)OMP.<br>AINERS<br>IDWATER<br>WATER                                                     | ASE:<br>DOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TPH<br>X                                                                                                       |                                   |                         |
| 4002895                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | # CON<br>GROU                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CL<br>EX<br>BTL                                                                                                |                                   |                         |
| 11 5                                                         | 50.204                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                              | <i>6</i> 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | *                                                                                                              |                                   |                         |
| 12 5                                                         | 51-205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <                                                                                                              |                                   |                         |
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| 14 6                                                         | 58-302-103.148 114                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$ |                                   |                         |
| 15 5                                                         | 5p-3@2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                |                                   |                         |
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| 1-2                                                          | 58-385                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <t< td=""><td></td><td></td></t<>                                                                              |                                   |                         |
| 195                                                          | SP-4 Surface 32.464/19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                              | Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                |                                   |                         |
| 20 5                                                         | SP-4@2 -103. 148767                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                              | 1/2 G/8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | くくく                                                                                                            |                                   |                         |
| JEASE NOTE: Liebley and C<br>alyses. All dalms including the | PELSSE MOTT: Lebibly and Demogos: Candinal's labibly and dean's exclusive remody for any claim erising whether based in contract or birt, shall be finnied to the amount paid by the class for the<br>analyses. All claims including those for nogligence and any other cluse whatsoever shall be deemed waved unlists made in writing and reserved by Candinal within 10 days after completion of the applicable<br>analyses. All claims including those for nogligence and any other cluse whatsoever shall be deemed waved unlists made in writing and reserved by Candinal writin 10 days after completion of the applicable<br>analyses. All claims including those for nogligence and any other cluse whatsoever shall be deemed waved unlists                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | sr any claim ersong whether based in contract<br>the deemed walved unless made in writing an | t or tort, shall be limited to the amount paid b<br>d received by Cantinal within 30 days after c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | / the client for the<br>impletion of the applicable                                                            |                                   |                         |
| lates or successors analog a                                 | There is a construction of a second mean of the performance of second means and there is the second means of the second means and the performance of second means of the second means of t | - Doordinal, regardless of whether such claim                                                | is based upon any of the above stated reaso                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                |                                   |                         |
| Reinquisned by:                                              | 222-801<br>122-801                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2 Received By:                                                                               | Plake IT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Phone Result: D Yes D No<br>Fax Result: D Yes D No<br>REMARKS:                                                 | o Add'i Phone#:<br>o Add'i Fax #: |                         |
| Relinquished By:                                             | Date:<br>Time:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Received By:                                                                                 | Service and the service of the servi | Email to Bruce a                                                                                               | Brock and Joff                    |                         |
| •••                                                          | ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cool Int                                                                                     | ion CHECKED BY:<br>(Initials)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                |                                   |                         |
| Sampler - OFS -                                              | PE- PUTANYON SAMO - SA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                              | 1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                |                                   |                         |
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Released to Imaging: 6/22/2022 9:23:39 AM



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: Anche                                                                                                             | Attacher Corporation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | BILL TO                                                                                                                                                                                                                                    |                                                                                                    |                  | ANALYSIS REQUEST               |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------|--------------------------------|
| Project Manager: Fruce                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | P.O. #                                                                                                                                                                                                                                     |                                                                                                    |                  |                                |
| Address:                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Company:                                                                                                                                                                                                                                   |                                                                                                    |                  |                                |
| City:                                                                                                                           | State:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Zip:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Attn:                                                                                                                                                                                                                                      |                                                                                                    |                  |                                |
| Phone #:                                                                                                                        | Fax #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Address:                                                                                                                                                                                                                                   |                                                                                                    |                  |                                |
| Project #:                                                                                                                      | Project Owner:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | City:                                                                                                                                                                                                                                      |                                                                                                    |                  |                                |
| ame:                                                                                                                            | NGR 807                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | State: Zip:                                                                                                                                                                                                                                |                                                                                                    |                  |                                |
| Project Location: NEPV 807                                                                                                      | NEDV 807                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Phone #:                                                                                                                                                                                                                                   |                                                                                                    |                  |                                |
| Sampler Name:                                                                                                                   | Paniel Raster                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Fax #:                                                                                                                                                                                                                                     |                                                                                                    |                  |                                |
| FOR LAB USE ONLY                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | D. MATRIX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PRESERV. SAMPLING                                                                                                                                                                                                                          | ด                                                                                                  |                  |                                |
| Lab I.D.                                                                                                                        | Sample I.D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (G)RAB OR (C)OMF<br># CONTAINERS<br>GROUNDWATER<br>WASTEWATER<br>SOIL<br>OIL<br>SLUDGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OTHER :<br>ACID/BASE:<br>ICE / COOL<br>OTHER :                                                                                                                                                                                             | TIME                                                                                               | EXT. TPH<br>BTEX |                                |
|                                                                                                                                 | 204-42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                            | 5                                                                                                  |                  |                                |
| 22 5                                                                                                                            | Sp.403                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                            |                                                                                                    | <<br><           |                                |
|                                                                                                                                 | h @h-45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                            | ~                                                                                                  |                  |                                |
| 142                                                                                                                             | 59-485                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                            | <                                                                                                  | 5                |                                |
| - )                                                                                                                             | 68-5 SurFace 32.464979                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                            | <                                                                                                  |                  |                                |
| 5 22                                                                                                                            | 30 BALI- 201 - 7 3-45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                            | <                                                                                                  | <<br>、<br>、      |                                |
| 27 6                                                                                                                            | 8-502                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                            | 5                                                                                                  |                  |                                |
| 58 6                                                                                                                            | 58-583                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | •                                                                                                                                                                                                                                          |                                                                                                    | <u>v</u> . v     |                                |
| 2 <b>9</b> 25                                                                                                                   | 58-5@4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8/22/19                                                                                                                                                                                                                                    | 5                                                                                                  |                  |                                |
|                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                            |                                                                                                    |                  |                                |
| PLEASE NOTE: Leaviny and<br>snalyses, All claims including<br>lervice. In no event shall Can<br>officians or successors arising | FLEASE MOVIE: Luking and Lenninger, Amounts movement accurate intervention (in my cannot control or survey) and use introd or or another by an example, analysis. All chains including those for negligence and any other curse with a conserver shall be derived unders model in writing and received by Caedinal within 30 days also completion of the eppReserver. All chains including those for negligence and any other curse with accurse within the days without it mining writing and meaning of the solid within 30 days also completions within 30 days also complete by cleaning and meaning of the solid writing and any other and any other and any other solid and any other solid and any other any other any other and any other and any other and any other any any and any | reans secure minute you may cann acture where severe is converted to twit, share any inness to the inneurit pad or una cann the term<br>as cause whatsoever shall be deermed valved unless made in where gund received by Cardinal within 30 days after completion of the<br>resequential damages, including without limitation valueness interruptors, loss of uses or profits incurred by cardinal, its subsidiant<br>near a favrices heraunder by Cardinal, neoedless of whether such chain is beside upon any of the boow stated ressons or otherwise. | I of early shall be inneed to the annum pairs<br>of received by Cardinal within 30 darys after<br>(loss of use, or loss of profits incurred by d<br>lossed upon any of the above stated rea-<br>is besed upon any of the above stated rea- | ory une control one<br>completion of the appRcable<br>lent, its subsidianes,<br>sons of otherwise. |                  |                                |
| Relinquished By:                                                                                                                | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Mi II                                                                                                                                                                                                                                      | Phone Result: 0                                                                                    | Tes DN0          | Add'l Phone #:<br>Add'l Fax #: |
| Relinquished By:                                                                                                                | - lorz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | the for                                                                                                                                                                                                                                    | 8                                                                                                  | wce              | (Jat                           |
|                                                                                                                                 | Time:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (                                                                                                                                                                                                                                          |                                                                                                    |                  |                                |
| Delivered By:                                                                                                                   | (Circle One) / 92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 197 Sample Condition<br>Cool Intact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | _                                                                                                                                                                                                                                          |                                                                                                    |                  |                                |
| Sampler - UPS -                                                                                                                 | - Bus - Other: Construction 2.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | J.J. GTES GTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | - Q                                                                                                                                                                                                                                        |                                                                                                    |                  |                                |

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August 27, 2019

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

RE: NEDU #807

Enclosed are the results of analyses for samples received by the laboratory on 08/23/19 10:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celeg Di Keine

Celey D. Keene Lab Director/Quality Manager

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Received by OCD: 10/30/2019 2:35:01 PM



#### Analytical Results For:

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

| Received:<br>Reported:<br>Project Name:<br>Project Number:<br>Project Location: |
|---------------------------------------------------------------------------------|
|---------------------------------------------------------------------------------|

#### Sample ID: SP - 5 @ 5 (H902902-01)

| BTEX 8021B                           | mg/    | 'kg             | Analyze    | d By: ms     |              |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|--------------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS           | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 08/26/2019 | ND           | 1.67         | 83.6       | 2.00          | 1.03  |           |
| Toluene*                             | <0.050 | 0.050           | 08/26/2019 | ND           | 1.87         | 93.4       | 2.00          | 0.837 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 08/26/2019 | ND           | 1. <b>97</b> | 98.5       | 2.00          | 3.20  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 08/26/2019 | ND           | 6.13         | 102        | 6.00          | 2.59  |           |
| Total BTEX                           | <0.300 | 0.300           | 08/26/2019 | ND           |              |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PIE | 97.8   | % 73.3-12       | 9          |              |              |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | /kg             | Analyze    | d By: AC     |              |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BŞ           | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 16.0   | 16.0            | 08/27/2019 | ND           | 432          | 108        | 400           | 3.77  |           |
| TPH 8015M                            | mg/    | /kg             | Analyze    | d By: MS     |              |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS           | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | < 10.0 | 10.0            | 08/27/2019 | ND           | 205          | 102        | 200           | 0.789 |           |
| DRO >C10-C28*                        | < 10.0 | 10.0            | 08/27/2019 | ND           | 215          | 107        | 200           | 5.05  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 08/27/2019 | ND           |              |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 93 9   | % 41-142        | ?          |              |              |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 107 :  | % 37.6-14       | 17         |              |              |            |               |       |           |

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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:         | 08/23/2019 | Sampling Date:      | 08/23/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

#### Sample ID: SP - 6 @ SURFACE (H902902-02)

| Chloride, SM4500CI-B | mg,    | 'kg             | Analyze    | d By: AC     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/27/2019 | ND           | 416 | 104        | 400           | 0.00 |           |

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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:         | 08/23/2019 | Sampling Date:      | 08/23/2019    |
|-------------------|------------|---------------------|---------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil          |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldake |
| Project Location: | NONE GIVEN |                     |               |

#### Sample ID: SP - 6 @ 1 (H902902-03)

| BTEX 8021B                          | mg/    | 'kg             | Analyze    | d By: ms     |      |            |               |       |           |
|-------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                             | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                            | <0.050 | 0.050           | 08/26/2019 | ND           | 1.67 | 83.6       | 2.00          | 1.03  |           |
| Toluene*                            | <0.050 | 0.050           | 08/26/2019 | ND           | 1.87 | 93.4       | 2.00          | 0.837 |           |
| Ethylbenzene*                       | <0.050 | 0.050           | 08/26/2019 | ND           | 1.97 | 98.5       | 2.00          | 3.20  |           |
| Total Xylenes*                      | <0.150 | 0.150           | 08/26/2019 | ND           | 6.13 | 102        | 6.00          | 2.59  |           |
| Total BTEX                          | <0.300 | 0.300           | 08/26/2019 | ND           |      |            |               |       |           |
| Surrogate 4-Bromofluorobenzene (PIL | 97.7   | % 73 3-12       | 9          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                | mg/    | 'kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                            | <16.0  | 16.0            | 08/27/2019 | ND           | 416  | 104        | 400           | 0.00  |           |

|                           |        |                 |            |              |     | 5          |               |       |           |
|---------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| TPH 8015M                 | mg,    | /kg             | Analyze    | d By: MS     |     |            |               |       | _         |
| Analyte                   | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*               | <10.0  | 10.0            | 08/27/2019 | ND           | 205 | 102        | 200           | 0.789 |           |
| DRO >C10-C28*             | <10.0  | 10.0            | 08/27/2019 | ND           | 215 | 107        | 200           | 5.05  |           |
| EXT DRO >C28-C36          | <10.0  | 10.0            | 08/27/2019 | ND           |     |            |               |       |           |
| Surrogate: 1-Chlorooctane | 101    | % -11-142       | 1          |              |     |            |               |       |           |

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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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:         | 08/23/2019 | Sampling Date:      | 08/23/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |

#### Sample ID: SP - 6 @ 2 (H902902-04)

| Chloride, SM4500CI-B | mg/    | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/27/2019 | ND           | 416 | 104        | 400           | 0.00 |           |

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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:                                             | 08/23/2019               | Sampling Date:      | 08/23/2019     |
|-------------------------------------------------------|--------------------------|---------------------|----------------|
| Reported:                                             | 08/27/2019               | Sampling Type:      | Soil           |
| Broiget Name:                                         | NEDU #807                | Sampling Condition: | Cool & Intact  |
| Project Name:<br>Project Number:<br>Project Location: | NONE GIVEN<br>NONE GIVEN | Sample Received By: | Tamara Oldaker |

#### Sample ID: SP - 6 @ 3 (H902902-05)

| BTEX 80218                           | mg/    | 'kg             | Analyze    | d By: ms     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 08/26/2019 | ND           | 1.67 | 83.6       | 2.00          | 1.03  |           |
| Toluene*                             | <0.050 | 0.050           | 08/26/2019 | ND           | 1.87 | 93.4       | 2.00          | 0.837 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 08/26/2019 | ND           | 1.97 | 98.5       | 2.00          | 3.20  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 08/26/2019 | ND           | 6.13 | 102        | 6.00          | 2.59  |           |
| Total BTEX                           | <0.300 | 0.300           | 08/26/2019 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PIL | 98.3   | % 73_3-12       | 9          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 08/27/2019 | ND           | 416  | 104        | 400           | 0.00  |           |

| Chloride                  | <16.0  | 16.0            | 08/27/2019 | ND           | 416 | 104        | 400           | 0.00  |           |
|---------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| TPH 8015M                 | mg,    | /kg             | Analyze    | d By: MS     |     |            |               |       |           |
| Analyte                   | Result | Reporting Limit | Analyzed   | Method Blank | BŞ  | % Recovery | True Value QC | RPD   | Qualifier |
| GR0 C6-C10*               | <10.0  | 10.0            | 08/27/2019 | ND           | 205 | 102        | 200           | 0.789 |           |
| DRO >C10-C28*             | <10.0  | 10.0            | 08/27/2019 | ND           | 215 | 107        | 200           | 5.05  |           |
| EXT DRO >C28-C36          | <10.0  | 10.0            | 08/27/2019 | ND           |     |            |               |       |           |
| Surrogate: 1-Chlorooctane | 95,1   | % 41-142        | 2          |              |     |            |               |       |           |

37.6-147

Surrogate: 1-Chlorooctadecane 104%

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08/23/2019

Cool & Intact

Tamara Oldaker

Soil

#### Analytical Results For:

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

| Received:         | 08/23/2019 |
|-------------------|------------|
| Reported:         | 08/27/2019 |
| Project Name:     | NEDU #807  |
| Project Number:   | NONE GIVEN |
| Project Location: | NONE GIVEN |

#### Sample ID: SP - 6 @ 4 (H902902-06)

| Chloride, SM4500CI-B | mg,    | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 08/27/2019 | ND           | 416 | 104        | 400           | 0.00 |           |

Sampling Date: Sampling Type:

Sampling Condition:

Sample Received By:

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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:         | 08/23/2019 | Sampling Date:      | 08/23/2019     |
|-------------------|------------|---------------------|----------------|
| Reported:         | 08/27/2019 | Sampling Type:      | Soil           |
| Project Name:     | NEDU #807  | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN |                     |                |
|                   |            |                     |                |

#### Sample ID: SP - 6 @ 5 (H902902-07)

| BTEX 8021B                           | mg/    | /kg             | Analyze    | d By: ms     |              |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|--------------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS           | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 08/26/2019 | ND           | 1.67         | 83.6       | 2.00          | 1.03  |           |
| Toluene*                             | <0.050 | 0.050           | 08/26/2019 | ND           | 1.87         | 93.4       | 2.00          | 0.837 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 08/26/2019 | ND           | 1. <b>97</b> | 98.5       | 2.00          | 3.20  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 08/26/2019 | ND           | 6.13         | 102        | 6.00          | 2.59  |           |
| Totai BTEX                           | <0.300 | 0.300           | 08/26/2019 | ND           |              |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PIL | 99.3   | % 73.3-12       | 9          |              |              |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: AC     |              |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | 8\$          | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 08/27/2019 | ND           | 416          | 104        | 400           | 0.00  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |              |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS           | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 08/27/2019 | ND           | 205          | 102        | 200           | 0.789 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 08/27/2019 | ND           | 215          | 107        | 200           | 5.05  |           |

ND

| Surrogate: 1-Chlorooctane     | 99.6 % | 41-142   |
|-------------------------------|--------|----------|
| Surrogate: 1-Chlorooctadecane | 109 %  | 37.6-147 |

<10.0

10.0

08/27/2019

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EXT DRO >C28-C36

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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<br>accepted based on LCS and/or LCSD recovery and/or RPD values. |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                                                                                                    |
| а.    | Chloride by SM4500CI-B does not require samples be received at or below 6°C                                                                                                                |
|       | Samples reported on an as received basis (wet) unless otherwise noted on report                                                                                                            |

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| 2                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                          |                                                                                                                                                                                                 |                                                                                                                |          | E .                            |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------|--------------------------------|
| Project Manager: 13nut                                                                                                     | Brut Palar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                          | PO #                                                                                                                                                                                            |                                                                                                                |          | ANALYSIS REQUESI               |
| Address:                                                                                                                   | ł                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                          | Company:                                                                                                                                                                                        |                                                                                                                |          |                                |
| City:                                                                                                                      | State:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Zip:                                                                                                                                                                     | Attn:                                                                                                                                                                                           | i                                                                                                              |          |                                |
| Phone #:                                                                                                                   | Fax #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                          | Address:                                                                                                                                                                                        |                                                                                                                |          |                                |
| Project #:                                                                                                                 | Project Owner:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ż                                                                                                                                                                        | City:                                                                                                                                                                                           |                                                                                                                |          |                                |
| ame:                                                                                                                       | NEDV 807                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                          | State: Zip:                                                                                                                                                                                     |                                                                                                                |          |                                |
| 8                                                                                                                          | NEDU 807                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                          | *                                                                                                                                                                                               |                                                                                                                |          |                                |
| Sampler Name:                                                                                                              | David Rusher                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                          | Fax #:                                                                                                                                                                                          |                                                                                                                |          |                                |
| FOR LAB USE ONLY                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | P. MATRIX                                                                                                                                                                | PRESERV. SAMPLING                                                                                                                                                                               | ING                                                                                                            |          |                                |
| Lab I.D.                                                                                                                   | Sample I.D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (G)RAB OR (C)OM<br># CONTAINERS<br>GROUNDWATER<br>WASTEWATER<br>SOIL<br>OIL                                                                                              | SLUDGE<br>OTHER :<br>ACID/BASE:<br>ICE / COOL<br>OTHER :<br>DATE:                                                                                                                               | TIME<br>CL<br>EXT: TPH                                                                                         | BTEX     |                                |
| -                                                                                                                          | SPSPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                          | 20                                                                                                                                                                                              | <b>र</b>                                                                                                       |          |                                |
| 2                                                                                                                          | Sp. 6 Surface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                          |                                                                                                                                                                                                 | <                                                                                                              |          |                                |
| ۲                                                                                                                          | SP-6@1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                          |                                                                                                                                                                                                 | <                                                                                                              | 5        |                                |
|                                                                                                                            | 20+15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                          |                                                                                                                                                                                                 | <                                                                                                              |          |                                |
| <del>с</del>                                                                                                               | 5048                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                          |                                                                                                                                                                                                 | <                                                                                                              |          |                                |
| 6                                                                                                                          | 5-6e4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                          | <b>↓</b>                                                                                                                                                                                        | ~                                                                                                              |          |                                |
| 4                                                                                                                          | y-105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                          | sizz/4                                                                                                                                                                                          | <                                                                                                              | <        |                                |
|                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                          |                                                                                                                                                                                                 |                                                                                                                |          |                                |
| LEASE NOTE: Labiity and<br>rahyses. All claims including<br>invice. In no event shall Ce<br>illiates or successors.affstik | PLEASE INFOTE: LabeRy and Damages. Continues labelity and clant's exclusive internet (views) intering views) and views and baranges. Continues paid by the clant for the applicable<br>analyses. All claims including those for negligence and any state cursues whetevers waived unless made in writing and near-wed by Catottak which 30 days after completion of the applicable<br>service. In no event shall Cardinal be bein incidential or concernential damages, including without initiation, besives interruptions, toss of uses of uses of posts incurred by cleric, its subsidiaries<br>artifices or succession. All damages and any state of the provide state of the provide source of uses of uses of uses of posts incurred by cleric, its subsidiaries<br>attributes or succession. All damages in the provide the provide source of the provide source of the provide source or the post of the above stated reasons or completed to<br>attribute or succession. All damages in the provide source of the provide source of the post of the source of the post o | any dalim anding whether based in con<br>• deemed waived unless made in writing<br>19 without limitation, business inkernupto<br>Cardinal, recentless of whether such ci | tract or ion; shall be invited to the emount or<br>) and neowed by Cardinal within 30 days an<br>way, loss of use, or loss of profils incurred by<br>sam is based upon any of the above stand n | id by the cleart for the<br>in completion of the applicable<br>cleant, its subsidiaries.<br>above or offeendre |          |                                |
| Relinquished By                                                                                                            | 6ree-8 Ovi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Received By:                                                                                                                                                             | MIN N                                                                                                                                                                                           |                                                                                                                | Yes I No | Add'l Phone #:<br>Add'l Fax #: |
| Relinquished By:                                                                                                           | ler -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Reserved By:                                                                                                                                                             | MARKI                                                                                                                                                                                           | Emarks:<br>Email to Br                                                                                         | s and c  | Ť                              |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HQ7 Sample Condition<br>Cool Intact<br>Gros Fres                                                                                                                         | 3                                                                                                                                                                                               |                                                                                                                |          |                                |
|                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                          | No.                                                                                                                                                                                             |                                                                                                                |          |                                |

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### APPENDIX F CLOSURE CRITERIA JUSTIFICATION

#### **Site Closure Request**

Much of the historical information for the site work performed by Environmental Plus, Inc. (EPI) including field data, documentation of field activities, laboratory analysis of samples, sample location documentation and photography is unavailable for this report. A historical summary of actions taken by EPI is provided and is a forensic representation of evens which can be inferred from the existing documentation. Trinity is not responsible for any gaps in the data related to the missing information.

Apache enlisted the services of Trinity to close NMOCD Region 1 File 1RP1644 on July 25, 2019. Trinity performed a reconnaissance of the NEDU 807 site and collected samples from the ground surface and from one-foot intervals to a depth of five feet at six sample locations using stainless-steel spatula and a soil auger.

Depth to groundwater was determined utilizing data from a regional groundwater trend map, data from the New Mexico Office of State Engineer database and the USGS water well database. A total of 9 water wells occur within one-half mile of the site with depths to groundwater ranging between 35 feet and 80 feet bgs, with average depth to groundwater being 58.1 feet bgs. A well 0.25 miles to the east-northeast of the release location shows a groundwater elevation of 57 feet bgs which is in close agreement to the average groundwater depth of 58.1 feet bgs.

Soil Samples collected from the inferred impacted area were analyzed by a NMOCD approved laboratory (Cardinal Laboratories) in Hobbs, NM. Laboratory results indicate concentrations of chloride, TPH, and BTEX are well below the closure criteria listed in Table 1 of Section 19.15.29.12 of the New Mexico Administrative Code for a site where the depth to groundwater is between 50 and 100 feet bgs. BTEX and TPH results were all below the analytical method detection limits. Chloride results ranged between non-detect (<16.0 mg/kg) and 48 mg/kg which were well below the NMOCD criteria for chloride in soil (10,000 mg/kg). Based on these laboratory analytical results, the initial response and subsequent actions conducted at the site during the period between 2008 and 2019 were effective in remediating the release. Trinity on behalf of Apache hereby requests that the NMOCD grant closure to the NEDU 807 release site as represented by case number 1RP-1644. Closure Criteria is provided on the Final C-141 form (Appendix B) and in Table 3.

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

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

District III

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

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

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

CONDITIONS

| Operator: C               | OGRID:                                    |
|---------------------------|-------------------------------------------|
| APACHE CORPORATION        | 873                                       |
| 303 Veterans Airpark Ln 🛛 | Action Number:                            |
| Midland, TX 79705         | 2167                                      |
| A                         | Action Type:                              |
|                           | [C-141] Release Corrective Action (C-141) |
| CONDITIONS                |                                           |

#### CONDITIONS

| Created By |      | Condition<br>Date |
|------------|------|-------------------|
| bbillings  | None | 6/22/2022         |

Action 2167

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