

Closure Report

January 14, 2021

Re: NEDU 625

Case # NRM2019755640

Background:

On 6/23/2020 a release occurred due to a stuffing box failure. The release (GPS: 32.4790459, -103.1551971) is located north of Eunice, New Mexico in unit letter E section 15 township 21S range 37E. A groundwater survey was conducted utilizing NMOSE and USGS. The nearest well of record suggest the groundwater depth below the release to be 63 feet below ground surface.

On 9/1/2020 a vertical (SP1) was conducted utilizing a backhoe with samples collected in one foot intervals to a depth of 3 feet. All samples were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Horizontal 5 point surface composite samples were collected and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory results TPH were above table one standards for releases 51-100 feet to groundwater. A Remediation Plan was submitted and approved by OCD.

The release area was excavated to a depth of 1 foot. Final 5 point bottom and wall samples were collected and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory analysis for TPH at B5, B6, B8, B9, B10, and B11 were above table one standards for releases 51-100 feet to groundwater. Those sample points were further excavated to a depth of 1.5 feet. Wall 3 and 4 were further excavated laterally. On 1/8/2021 final 5 point bottom and wall samples were collected and submitted to a commercial laboratory for TPH and BTEX. Laboratory analysis were below table one closure criteria for releases 51-100 feet to groundwater. Horizontal composite samples collected during delineation phase demonstrate that the entire release was contained to the lease pad. All excavated material was hauled to an OCD approved disposal facility and the excavation was backfilled with clean imported caliche and the pad restored.

Apache Corporation has completed remediation to below table one standards and respectfully request that event NRM2019755640 be closed.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, Laboratory Results, and Field Notes.

Submitted by;

Environmental Technician larry.baker@apachecorp.com

Cell# 432-631-6982

Bruce Baker

Page 2 of 4.

Incident ID
District RP
Facility ID
Application ID

Closure

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

Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.13 NMAC including notif	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
Printed Name: Larry Baker	Title: Environmental Tech SR.
Printed Name: Larry Baker Signature: Larry Baker email: larry.baker@apachecorp.com	Date: 4/7/2021
email: larry.baker@apachecorp.com	Telephone: 432-631-6982
OCD Only	
Received by: Chad Hensley	Date: 06/07/2021
remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date: _06/07/2021
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced



Agency code = usgs site_no list =

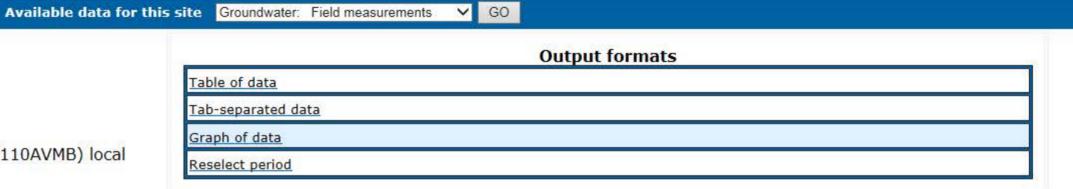
• 322902103093401

Minimum number of levels = 1

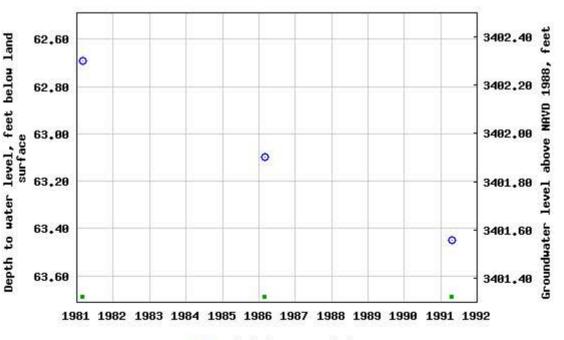
Save file of selected sites to local disk for future upload

USGS 322902103093401 21S.37E.16.222321

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°29'02", Longitude 103°09'34" NAD27
Land-surface elevation 3,465 feet above NAVD88
The depth of the well is 80 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.



USGS 322902103093401 215,37E,16,222321



Period of approved data

Breaks in the plot represent a gap of at least one year between field measurements.

Download a presentation-quality graph Released to Imaging: 6/7/2021 10:54:41 AM



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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number

Q64 Q16 Q4 Sec Tws Rng

X

CP 00554

21S 2 16 37E

3595610* 672744

Driller License:

208

5.00

Driller Company:

VAN NOY, W.L.

Driller Name:

VAN NOY, W.L.

06/01/1976

Drill Finish Date:

06/05/1976

Plug Date:

Drill Start Date: Log File Date:

04/05/1977

PCW Rcv Date:

Source: Shallow

Pump Type: Casing Size:

Pipe Discharge Size:

Estimated Yield:

Depth Water:

Sandstone/Gravel/Conglomerate

70 feet

Water Bearing Stratifications:

Top 75

Bottom Description

80 feet

Depth Well:

Top

Bottom

Casing Perforations:

64 80

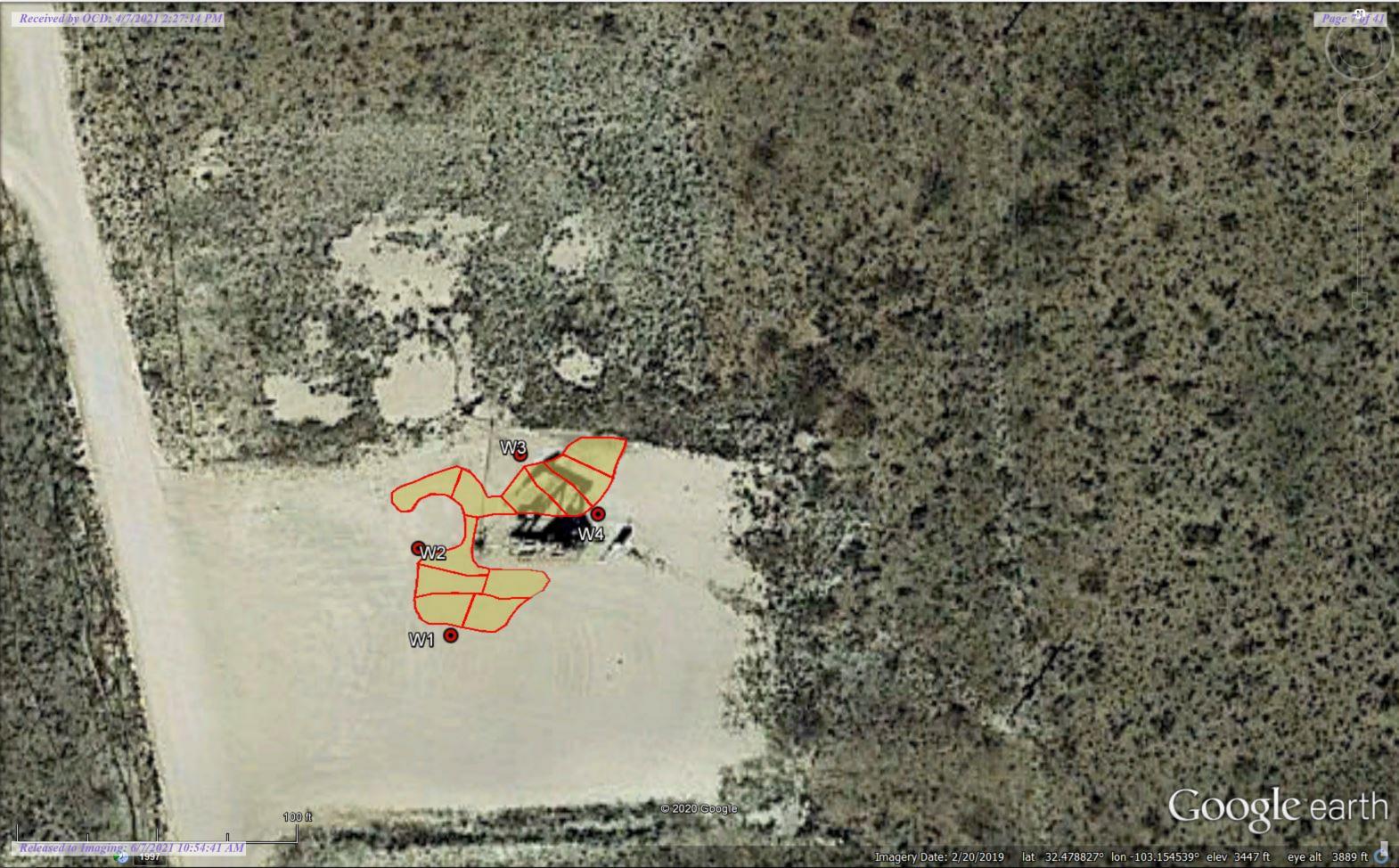
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data

9/21/20 9:56 AM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help





Delineation Samples

Sample	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenze	Total	Total	GRO	DRO	EXT DRO
Date			Lab			ne	Xylenes	BTEX			
12/31/2020	B1	1'	736	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
12/31/2020	B2	1'	800	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	215	58.6
12/31/2020	В3	1'	1460	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.9	13.7
12/31/2020	B4	1'	928	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	503	134
12/31/2020	B5	1'	1150	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2610	607
1/8/2021	B5	1.5'		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	266	73.7
12/31/2020	В6	1'	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1080	305
1/8/2021	В6	1.5'		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	256	74.4
12/31/2020	В7	1'	896	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	378	149
12/31/2020	B8	1'	1170	<0.050	<0.050	<0.050	0.192	<0.300	25.1	2140	579
1/8/2021	В8	1.5'		<0.050	<0.050	<0.050	0.192	<0.300	<10.0	268	76.5
12/31/2020	В9	1'	1020	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1730	503
1/8/2021	В9	1.5'		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	249	78.4
12/31/2020	B10	1'	736	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1230	363
1/8/2021	B10	1.5'		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	263	76.7
12/31/2020	B11	1'	832	<0.050	<0.050	<0.050	<0.150	<0.300	11.3	1790	504
1/8/2021	B11	1.5'		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	270	83.6
12/31/2020	W1		496	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
12/31/2020	W2		128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	82.5	18.6
12/31/2020	W3		416	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	106	39.9
1/8/2021	W3			<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	277	87.6
12/31/2020	W4		288	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	245	50
1/8/2021	W4			<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	277	87.6



January 06, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU #625

Enclosed are the results of analyses for samples received by the laboratory on 12/31/20 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

 Received:
 12/31/2020

 Reported:
 01/06/2021

 Project Name:
 NEDU #625

Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B1 - 1' (H003367-01)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2020	ND	1.96	98.0	2.00	2.20	
Toluene*	<0.050	0.050	12/31/2020	ND	1.88	94.0	2.00	2.10	
Ethylbenzene*	<0.050	0.050	12/31/2020	ND	1.97	98.5	2.00	1.92	
Total Xylenes*	<0.150	0.150	12/31/2020	ND	5.63	93.8	6.00	1.90	
Total BTEX	<0.300	0.300	12/31/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	01/04/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	75.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	73.4	% 42.2-15	6						

Cardinal Laboratories *=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: 12/31/2020 Sampling Date: 12/31/2020

Reported: 01/06/2021 Sampling Type: Soil

Project Name: NEDU #625 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NONE GIVEN

Sample ID: B2 - 1' (H003367-02)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2020	ND	1.96	98.0	2.00	2.20	
Toluene*	<0.050	0.050	12/31/2020	ND	1.88	94.0	2.00	2.10	
Ethylbenzene*	<0.050	0.050	12/31/2020	ND	1.97	98.5	2.00	1.92	
Total Xylenes*	<0.150	0.150	12/31/2020	ND	5.63	93.8	6.00	1.90	
Total BTEX	<0.300	0.300	12/31/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	01/04/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	215	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	58.6	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	89.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.9	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Received: 12/31/2020 Reported: 01/06/2021

Project Name: NEDU #625
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: B3 - 1' (H003367-03)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2020	ND	1.96	98.0	2.00	2.20	
Toluene*	<0.050	0.050	12/31/2020	ND	1.88	94.0	2.00	2.10	
Ethylbenzene*	<0.050	0.050	12/31/2020	ND	1.97	98.5	2.00	1.92	
Total Xylenes*	<0.150	0.150	12/31/2020	ND	5.63	93.8	6.00	1.90	
Total BTEX	<0.300	0.300	12/31/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	01/04/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	32.9	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	13.7	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	88.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.5	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 12/31/2020

NONE GIVEN

Reported: 01/06/2021 Project Name: NEDU #625

Project Location: NONE GIVEN

Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B4 - 1' (H003367-04)

Project Number:

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2020	ND	1.96	98.0	2.00	2.20	
Toluene*	<0.050	0.050	12/31/2020	ND	1.88	94.0	2.00	2.10	
Ethylbenzene*	<0.050	0.050	12/31/2020	ND	1.97	98.5	2.00	1.92	
Total Xylenes*	<0.150	0.150	12/31/2020	ND	5.63	93.8	6.00	1.90	
Total BTEX	<0.300	0.300	12/31/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	01/04/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	503	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	134	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	84.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107	% 42.2-15	6						

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Celey D. Keene



NONE GIVEN

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: 12/31/2020 Sampling Date: 12/31/2020

Reported: 01/06/2021 Sampling Type: Soil

Project Name: NEDU #625 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Sample ID: B5 - 1' (H003367-05)

Project Location:

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2020	ND	1.96	98.0	2.00	2.20	
Toluene*	< 0.050	0.050	12/31/2020	ND	1.88	94.0	2.00	2.10	
Ethylbenzene*	<0.050	0.050	12/31/2020	ND	1.97	98.5	2.00	1.92	
Total Xylenes*	<0.150	0.150	12/31/2020	ND	5.63	93.8	6.00	1.90	
Total BTEX	<0.300	0.300	12/31/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	01/04/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	2610	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	607	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	95.1	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	200	% 42.2-15	6						

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Celeg D. Freene



Analytical Results For:

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

Received: 12/31/2020 Reported: 01/06/2021

Project Name: NEDU #625
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: B6 - 1' (H003367-06)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2020	ND	1.96	98.0	2.00	2.20	
Toluene*	<0.050	0.050	12/31/2020	ND	1.88	94.0	2.00	2.10	
Ethylbenzene*	<0.050	0.050	12/31/2020	ND	1.97	98.5	2.00	1.92	
Total Xylenes*	<0.150	0.150	12/31/2020	ND	5.63	93.8	6.00	1.90	
Total BTEX	<0.300	0.300	12/31/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/04/2021	ND	400	100	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	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	1080	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	305	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	140	% 42.2-15	6						

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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: 12/31/2020

01/06/2021

Project Name: NEDU #625 Project Number: NONE GIVEN Project Location: NONE GIVEN Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: B7 - 1' (H003367-07)

Reported:

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2020	ND	1.96	98.0	2.00	2.20	
Toluene*	<0.050	0.050	12/31/2020	ND	1.88	94.0	2.00	2.10	
Ethylbenzene*	<0.050	0.050	12/31/2020	ND	1.97	98.5	2.00	1.92	
Total Xylenes*	<0.150	0.150	12/31/2020	ND	5.63	93.8	6.00	1.90	
Total BTEX	<0.300	0.300	12/31/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	01/04/2021	ND	400	100	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	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	378	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	149	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	93.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	112 9	% 42.2-15	6						

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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: 12/31/2020 Sampling Date: 12/31/2020

Reported: 01/06/2021 Sampling Type: Soil

Project Name: NEDU #625 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: NONE GIVEN

Sample ID: B8 - 1' (H003367-08)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2020	ND	1.96	98.0	2.00	2.20	
Toluene*	<0.050	0.050	12/31/2020	ND	1.88	94.0	2.00	2.10	
Ethylbenzene*	<0.050	0.050	12/31/2020	ND	1.97	98.5	2.00	1.92	
Total Xylenes*	0.192	0.150	12/31/2020	ND	5.63	93.8	6.00	1.90	
Total BTEX	<0.300	0.300	12/31/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	73.3-12	9						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	01/04/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	25.0	10.0	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	2140	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	579	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	180	% 42.2-15	6						

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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: 12/31/2020 Sampling Date: 12/31/2020

Reported: 01/06/2021 Sampling Type: Soil Project Name: NEDU #625 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Jodi Henson Project Location: NONE GIVEN

Sample ID: B9 - 1' (H003367-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2020	ND	1.96	98.0	2.00	2.20	
Toluene*	<0.050	0.050	12/31/2020	ND	1.88	94.0	2.00	2.10	
Ethylbenzene*	<0.050	0.050	12/31/2020	ND	1.97	98.5	2.00	1.92	
Total Xylenes*	<0.150	0.150	12/31/2020	ND	5.63	93.8	6.00	1.90	
Total BTEX	<0.300	0.300	12/31/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	01/04/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	1730	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	503	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	91.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	160	% 42.2-15	6						

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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: 12/31/2020

Reported: 01/06/2021
Project Name: NEDU #625
Project Number: NONE GIVEN
Project Location: NONE GIVEN

ma/ka

Sampling Date: 12/31/2020

Sampling Type: Soil
Sampling Condition: Cool & Intact

Sample Received By: Jodi Henson

Sample ID: B10 - 1' (H003367-10)

RTFY 8021R

BIEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2021	ND	1.99	99.4	2.00	1.76	
Toluene*	< 0.050	0.050	01/04/2021	ND	1.92	96.1	2.00	1.63	
Ethylbenzene*	< 0.050	0.050	01/04/2021	ND	1.98	98.9	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.65	94.2	6.00	1.27	
Total BTEX	<0.300	0.300	01/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	01/04/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	1230	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	363	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	85.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	134	% 42.2-15	6						

Applyzod By: MC

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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: 12/31/2020

Reported: 01/06/2021
Project Name: NEDU #625
Project Number: NONE GIVEN

Project Location: NONE GIVEN

Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: B11 - 1' (H003367-11)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2021	ND	1.99	99.4	2.00	1.76	
Toluene*	<0.050	0.050	01/04/2021	ND	1.92	96.1	2.00	1.63	
Ethylbenzene*	<0.050	0.050	01/04/2021	ND	1.98	98.9	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.65	94.2	6.00	1.27	
Total BTEX	<0.300	0.300	01/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	01/04/2021	ND	400	100	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*	11.3	10.0	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	1790	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	504	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	82.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	148	% 42.2-15	6						

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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:
 12/31/2020
 Sampling Date:
 12/31/2020

 Reported:
 01/06/2021
 Sampling Type:
 Soil

Project Name: NEDU #625 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: W 1 (H003367-12)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2021	ND	1.99	99.4	2.00	1.76	
Toluene*	<0.050	0.050	01/04/2021	ND	1.92	96.1	2.00	1.63	
Ethylbenzene*	<0.050	0.050	01/04/2021	ND	1.98	98.9	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.65	94.2	6.00	1.27	
Total BTEX	<0.300	0.300	01/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	01/04/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	<10.0	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	86.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	86.0	% 42.2-15	6						

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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: 12/31/2020

Reported: 01/06/2021
Project Name: NEDU #625
Project Number: NONE GIVEN

Project Location: NONE GIVEN

ma/ka

Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: W 2 (H003367-13)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2021	ND	1.99	99.4	2.00	1.76	
Toluene*	<0.050	0.050	01/04/2021	ND	1.92	96.1	2.00	1.63	
Ethylbenzene*	<0.050	0.050	01/04/2021	ND	1.98	98.9	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.65	94.2	6.00	1.27	
Total BTEX	<0.300	0.300	01/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/04/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	82.5	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	18.6	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	96.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102	% 42.2-15	6						

Analyzed By: MC

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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: 12/31/2020 Sampling Date: 12/31/2020

Reported: 01/06/2021 Sampling Type: Soil

Project Name: NEDU #625 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: NONE GIVEN

ma/ka

Sample ID: W 3 (H003367-14)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2021	ND	1.99	99.4	2.00	1.76	
Toluene*	<0.050	0.050	01/04/2021	ND	1.92	96.1	2.00	1.63	
Ethylbenzene*	<0.050	0.050	01/04/2021	ND	1.98	98.9	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.65	94.2	6.00	1.27	
Total BTEX	<0.300	0.300	01/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	01/04/2021	ND	416	104	400	3.92	
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	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	106	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	39.9	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	87.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.1	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 12/31/2020 Sampling Date: 12/31/2020

Reported: 01/06/2021 Sampling Type: Soil

Project Name: NEDU #625 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: NONE GIVEN

Sample ID: W 4 (H003367-15)

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	01/04/2021	ND	1.99	99.4	2.00	1.76	
Toluene*	<0.050	0.050	01/04/2021	ND	1.92	96.1	2.00	1.63	
Ethylbenzene*	<0.050	0.050	01/04/2021	ND	1.98	98.9	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.65	94.2	6.00	1.27	
Total BTEX	<0.300	0.300	01/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/04/2021	ND	416	104	400	3.92	
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	01/04/2021	ND	213	107	200	3.02	
DRO >C10-C28*	245	10.0	01/04/2021	ND	195	97.7	200	3.33	
EXT DRO >C28-C36	50.0	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	91.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102 9	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

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company name:	Hoach	£	BILL TO		AN	ANALYSIS REQUEST	JEST	
Project Manager:	Course Baker		P.O. #:		_			
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city: Hobbas	State: VM Zip:	ONCSX :diz V	Attn: (BY/V) Bal	. NO.			_	
Phone #: 45a-651-6982	_		5	Marland				_
Project #:	Project Owner:		ر. ا					
Project Name:	DEDU 685		₩	SAUO	1			
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Sampler Name:	Diego Muranda				enc			
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PLEASE NOTE: Liability and Damages, analyses. All claims including those for r service. In no event shall Cardinal be lial	PLEASE NOTE: Liability and Damages. Cardinal's liability and client sexclusive remote for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in withing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequently advances including whether therefore hystocometrics.	Cardinal's liability and client's exclusive rennedy for any claim arising whether based in contract or tort, shall be limited to hepigence and any other cause what soever shall be deemed waved unknown withing and received by Cardinal who before the cardinal waved unknown to the cardinal who before the cardinal waved unknown to the cardinal who the for incidental or consecuted and against a few of the cardinal waved to the cardinal waved	r tort, shall be limited to the amount paid received by Cardinal within 30 days after	amount paid by the client for the 0 days after completion of the applicable				ł
affiliates or successors arising	g out of or related to the performance of services hereunder	d to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	based upon any of the above stated rea					
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Yes Yes		100	ID #113	Thermometer ID #113	Lans)	A	Yes	Tyes Tyes		Corrected Temp. °C	- Other:	Sampler - UPS - Bus - Other:
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			applicable is,	er completion of the client, its subsidiarie easons or otherwise	war strait to deemed waved unless made in writing and received by Cardinal within 30 days at the shoulding without inflation, butness interruptions, loss of use, or loss of profits incurred by reunder by Cardinal, regardless of whether such claim is based upon any of the above stated r	f use, or loss and upon any	ruptions, loss on ch claim is bas	nless made in w business interr s of whether su	without limitation regardles	quental damag of services he	using trose for negligence and any other cardinal be liable for incidental or conse cardinal be repeated to the performance	nayses. All claims including incervice. In no event shall Cardina filiates of successors arising out
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ANALYSIS REQUEST	A				BILL TO					DID.	mache (Company Name:
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January 11, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU #625

Enclosed are the results of analyses for samples received by the laboratory on 01/08/21 15:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 01/08/2021 Reported: 01/11/2021

Project Name: NEDU #625
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: B 5 (H210059-01)

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	01/08/2021	ND	1.66	82.8	2.00	1.23	
Toluene*	< 0.050	0.050	01/08/2021	ND	1.75	87.4	2.00	2.98	
Ethylbenzene*	<0.050	0.050	01/08/2021	ND	1.74	87.2	2.00	2.77	
Total Xylenes*	<0.150	0.150	01/08/2021	ND	5.65	94.1	6.00	1.06	
Total BTEX	<0.300	0.300	01/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	73.3-12	9						
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	01/09/2021	ND	237	119	200	1.45	
DRO >C10-C28*	266	10.0	01/09/2021	ND	231	115	200	0.871	
EXT DRO >C28-C36	73.7	10.0	01/09/2021	ND					
Surrogate: 1-Chlorooctane	80.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.6	% 42.2-15	6						

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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: 01/08/2021

NONE GIVEN

Reported: 01/11/2021
Project Name: NEDU #625
Project Number: NONE GIVEN

Sampling Date:

01/08/2021

Sampling Type:

Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: B 6 (H210059-02)

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2021	ND	1.66	82.8	2.00	1.23	
Toluene*	<0.050	0.050	01/08/2021	ND	1.75	87.4	2.00	2.98	
Ethylbenzene*	<0.050	0.050	01/08/2021	ND	1.74	87.2	2.00	2.77	
Total Xylenes*	<0.150	0.150	01/08/2021	ND	5.65	94.1	6.00	1.06	
Total BTEX	<0.300	0.300	01/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	6 73.3-12	9						
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	01/09/2021	ND	237	119	200	1.45	
DRO >C10-C28*	256	10.0	01/09/2021	ND	231	115	200	0.871	
EXT DRO >C28-C36	74.4	10.0	01/09/2021	ND					
Surrogate: 1-Chlorooctane	76.4 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.4 9	% 42.2-15	6						

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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:
 01/08/2021
 Sampling Date:
 01/08/2021

 Reported:
 01/11/2021
 Sampling Type:
 Soil

Project Name: NEDU #625 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: B 8 (H210059-03)

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	01/08/2021	ND	1.66	82.8	2.00	1.23	
Toluene*	<0.050	0.050	01/08/2021	ND	1.75	87.4	2.00	2.98	
Ethylbenzene*	<0.050	0.050	01/08/2021	ND	1.74	87.2	2.00	2.77	
Total Xylenes*	<0.150	0.150	01/08/2021	ND	5.65	94.1	6.00	1.06	
Total BTEX	<0.300	0.300	01/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	73.3-12	9						
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	01/09/2021	ND	237	119	200	1.45	
DRO >C10-C28*	268	10.0	01/09/2021	ND	231	115	200	0.871	
EXT DRO >C28-C36	76.5	10.0	01/09/2021	ND					
Surrogate: 1-Chlorooctane	86.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.1	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

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 Received:
 01/08/2021
 Sampling Date:
 01/08/2021

 Reported:
 01/11/2021
 Sampling Type:
 Soil

Project Name: NEDU #625 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: B 9 (H210059-04)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2021	ND	1.66	82.8	2.00	1.23	
Toluene*	<0.050	0.050	01/08/2021	ND	1.75	87.4	2.00	2.98	
Ethylbenzene*	<0.050	0.050	01/08/2021	ND	1.74	87.2	2.00	2.77	
Total Xylenes*	<0.150	0.150	01/08/2021	ND	5.65	94.1	6.00	1.06	
Total BTEX	<0.300	0.300	01/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 73.3-12	9						
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	01/09/2021	ND	237	119	200	1.45	
DRO >C10-C28*	249	10.0	01/09/2021	ND	231	115	200	0.871	
EXT DRO >C28-C36	78.4	10.0	01/09/2021	ND					
Surrogate: 1-Chlorooctane	71.6	% 44.3-14	'4						
Surrogate: 1-Chlorooctadecane	78.3	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

 Received:
 01/08/2021
 Sampling Date:
 01/08/2021

 Reported:
 01/11/2021
 Sampling Type:
 Soil

Project Name: NEDU #625 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: B 10 (H210059-05)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2021	ND	1.66	82.8	2.00	1.23	
Toluene*	<0.050	0.050	01/08/2021	ND	1.75	87.4	2.00	2.98	
Ethylbenzene*	<0.050	0.050	01/08/2021	ND	1.74	87.2	2.00	2.77	
Total Xylenes*	<0.150	0.150	01/08/2021	ND	5.65	94.1	6.00	1.06	
Total BTEX	<0.300	0.300	01/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	73.3-12	9						
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	01/09/2021	ND	237	119	200	1.45	
DRO >C10-C28*	263	10.0	01/09/2021	ND	231	115	200	0.871	
EXT DRO >C28-C36	76.7	10.0	01/09/2021	ND					
Surrogate: 1-Chlorooctane	84.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.5	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

Received: 01/08/2021 Reported: 01/11/2021

Project Name: NEDU #625
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: B 11 (H210059-06)

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	01/08/2021	ND	1.66	82.8	2.00	1.23	
Toluene*	<0.050	0.050	01/08/2021	ND	1.75	87.4	2.00	2.98	
Ethylbenzene*	<0.050	0.050	01/08/2021	ND	ND 1.74		2.00	2.77	
Total Xylenes*	<0.150	0.150	01/08/2021	ND	5.65	94.1	6.00	1.06	
Total BTEX	<0.300	0.300	01/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 73.3-12	9						
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		01/09/2021	ND	237	119	200	1.45	
DRO >C10-C28*	270	10.0	01/09/2021	ND	231	115	200	0.871	
EXT DRO >C28-C36	83.6	10.0	01/09/2021	ND					
Surrogate: 1-Chlorooctane	76.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.3	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 01/08/2021

NONE GIVEN

Reported: 01/11/2021 Project Name: NEDU #625

Project Location: NONE GIVEN

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: W 3 (H210059-07)

Project Number:

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	01/08/2021	ND	1.66	82.8	2.00	1.23	
Toluene*	< 0.050	0.050	01/08/2021	ND	1.75	87.4	2.00	2.98	
Ethylbenzene*	< 0.050	0.050	01/08/2021	ND	1.74	87.2	2.00	2.77	
Total Xylenes*	<0.150	0.150	01/08/2021	ND	5.65	94.1	6.00	1.06	
Total BTEX	<0.300	0.300	01/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	73.3-12	9						
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	01/09/2021	ND	237	119	200	1.45	
DRO >C10-C28*	277 10.0		01/09/2021	ND	231	115	200	0.871	
EXT DRO >C28-C36	87.6	10.0	01/09/2021	ND					
Surrogate: 1-Chlorooctane	80.5	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	92.1	% 42.2-15	6						

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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:
 01/08/2021
 Sampling Date:
 01/08/2021

 Reported:
 01/11/2021
 Sampling Type:
 Soil

Project Name: NEDU #625 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: W 4 (H210059-08)

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	01/08/2021	ND	1.66	82.8	2.00	1.23	
Toluene*	<0.050	0.050	01/08/2021	ND	1.75	87.4	2.00	2.98	
Ethylbenzene*	<0.050	0.050	01/08/2021	ND	1.74	87.2	2.00	2.77	
Total Xylenes*	<0.150	0.150	01/08/2021	ND	5.65	94.1	6.00	1.06	
Total BTEX	<0.300	0.300	01/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	6 73.3-12	9						
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		01/09/2021	ND	237	119	200	1.45	
DRO >C10-C28*	283 10.0		01/09/2021	ND	231	115	200	0.871	
EXT DRO >C28-C36	80.5	10.0	01/09/2021	ND					
Surrogate: 1-Chlorooctane	84.0 9	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	91.3 9	% 42.2-15	6						

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Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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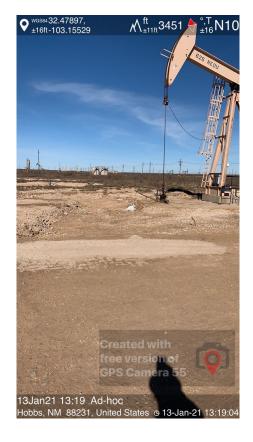
Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



00 K 3.1 00/04/20	Sampler - UPS - Bus - Other: Corrected Temp. °C	Delivered By: (Circle One) Observed Temp. °C	Kelliquisired DY:	Delination By Date: 3:10	Relinquished By:	PLEASE NOTE: Learniny and Journal of the Court of the Cou	Tamanas Carrinal's liability and client's exclusive remedy for an	43		PC (5	200	86	500	H21007	.D. Sample I.D.	FOR LAB USE ONLY	3	9	ame:		10#:432-631-698Eax#:	City: State: Sta	7	Company Name: Hooche Composition	(575) 393-2326 FAX (57
<u>c</u>	2 0	Cool Intact (Initials)	120	Received By: Received By: Received By:	Received By: All Results are emailed.	PLEASE NOTE: Liacinity and Jenningson Communication of the Cause whatsoever shall be deemed waived unless rade in writing and received by Jenning analyses. All claims including those for regispence and any other cause whatsoever shall be deemed waived unless rade in writing and received by Jenning and received by Jenning and received by Jenning analyses. All claims in including without imitation, business interruptions, loss of use, or loss of profits incurred by Jenning and received by Jenning and Receiv	The second Demands Cardinal's lightlik and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	1x1201:00	100	1/8/201/201/	1/8/2010	52.407/8/11			# CO GRO WAS SOIL OIL SLUI OTH ACIE	DGE	ER R	Fax #: MATRIX PRESERV. SAMPLING	Phone #:	State: Zip:	city: SAME	Address:	Zip: 88210 Attn: bruce bales	Company: Apoche	P.O. #:	BILL TO
ey.keene@cardinallabsnm.com	ctor None \q	Standard Cool Intact		OI I I DYUEC	Please provi		pplicable									PH	4	Se								ANALYSIS REQUEST







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

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

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

CONDITIONS

Action 23335

CONDITIONS

Operator:	OGRID:
APACHE CORPORATION	873
303 Veterans Airpark Ln	Action Number:
Midland, TX 79705	23335
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date				
chensley	None	6/7/2021				