

Closure Report

August 20, 2020

Re: NEDU 339 Case # 1RP-2031

On 12/17/2008 a release occurred due to a flowline busted resulting in the loss of fluid. The release (GPS: 32.501628, -103.138122) is located north of Eunice, New Mexico in unit letter M section 2 township 21S range 37E. A groundwater survey was conducted utilizing data from the NMOSE and USGS wells of record. The data was limited and no assumption could be made to determine the depth under the release area. The closure criteria for the release will be to table one standards for release less than or equal to 50 feet.

Utilizing the written data on the initial C-141 submitted to OCD in 2008 and a past google image dated in 2009 showing an area of soil disturbance south of the well pad. On 8/23/2019 Apache Corporation conducted vertical sampling in the disturbed area. The sample protocol was to utilize a hand auger and on the pad take samples in one foot intervals to a depth of 2 foot. The pasture area samples were to be taken in one foot intervals to a depth of 5 feet, encounter a liner, or refusal. All samples collected were submitted to a commercial laboratory for chlorides and every other sample point was submitted for TPH, and BTEX. SP1 on the pad was advanced to a depth of 2 feet and refusal was meet in the pasture at four inches to one foot. Laboratory results were below table one standards for release less than or equal to 50 feet. The vegetation was healthy in the pasture were the samples were collected.

Apache Corporation has concluded that the most reasonable assumption is that the area was excavated to a depth of one foot and that the disturbed image from 2009 was the release area backfilled prior to the re-establishment of vegetation.

Apache Corporation respectfully request that the event 1RP-2031 be closed.

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

Submitted by;

Environmental Technician larry.baker@apachecorp.com

Cell# 432-631-6982 Off# 575-393-7106

Bruce Baker

Form C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
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 Fe, NM 87505 Revised October 10, 2003 Submit 2 Copies to appropriate

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

2031

Release Notification and Corrective Action **OPERATOR** ☐ Initial Report Final Report Name of Company Apache Corporation Contact Natalie Gladden Address P.O. Box 1849 Eunice, NM 88231 Telephone No. 575-390-4186 Facility Type Producing Well Facility Name Nedu #339 Lease No. 30-025-37677 Surface Owner State Mineral Owner State LOCATION OF RELEASE Feet from the North/South Line Feet from the East/West Line Unit Letter Section Township County Range 330 **FWL** Lea County 21S 37E М WIR ZS' Latitude Longitude NATURE OF RELEASE Type of Release Produced Water and Hydrocarbons Volume of Release 5-10bbls Volume Recovered 0 Date 12/17/2008 Source of Release Flowline Date 12/17/008 Was Immediate Notice Given? If YES, To Whom? ☐ Yes ☒ No ☐ Not Required By Whom? Date and Hour Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☐ No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* Due to freezing weather flowline busted at wellhead and blew flowline 100yds from wellhead. Approx 17000sq ft of impacted soil, 90% sprayed out in pasture. Emergency response took place and all hydrocarbons have been hauled to Sundance Disposal. Describe Area Affected and Cleanup Action Taken * Depth to ground water is somewhere around 60-65'. Remediation will take place and NMOCD guidelines will be followed. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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. Madden Signature: Approved by District Supervisor. ENVIRONMENTAL ENGINEER Printed Name: Natalie Gladden Title: EH&S Environmental Tech Approval Date: 17.17.08 Expiration Date: 2.17.09 E-mail Address: natalie.gladden@apachecorp.com Conditions of Approval: Attached \square

SUBMITFINAL C. 191

Phone: 575-390-4186

^{*} Attach Additional Sheets If Necessary

Received by OCD: 8/22/2020 form C-141	12:00:34 AM State of New Mexico
Page 3	Oil Conservation Division

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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?	<50 (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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well Field data	ls.
Data table of soil contaminant concentration data	
Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release	
Boring or excavation logs	
Photographs including date and GIS information	
Topographic/Aerial maps	
☐ Laboratory data including chain of custody	

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 8/22/2020 12:00:34 AM State of New Mexico
Page 4 Oil Conservation Division

Incident ID
District RP
Facility ID

Application ID

Received by OCD: 8/22/2020 Form C-141	12:00:34 AM State of New Mexico
Page 6	Oil Conservation Division

	Page 5 of 24
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 its	ems must be included in the closure report.
✓ A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	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 a should their operations have failed to adequately investigate and remuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulatestore, reclaim, and re-vegetate the impacted surface area to the confaccordance with 19.15.29.13 NMAC including notification to the OC.	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.
Printed Name: Larry Baker	Title: Environmental Tech SR.
Printed Name: Larry Baker Signature: Larry Baker	Date: 8/20/2020
email: larry.baker@apachecorp.com	Telephone: 432-631-6982
OCD Only	
Received by: OCD	Date: 8/21/2020
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Ashley Maxwell	Date: 01/11/2023
Closure Approved by: Ashley Maxwell Printed Name: Ashley Maxwell	Title: Environmental Specialist



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 01741 POD1 NA

03 21S 37E 673895 3597759

Driller License:

1710

Driller Company:

Driller Name:

STRAUB CORPORATION

Drill Start Date:

MARTIN STRAUB

10/01/2018

Drill Finish Date:

10/01/2018

Plug Date:

Log File Date:

11/05/2018

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

4.00

Depth Well:

45 feet

Depth Water:

Water Bearing Stratifications:

Top

Bottom Description

39

Other/Unknown

Casing Perforations:

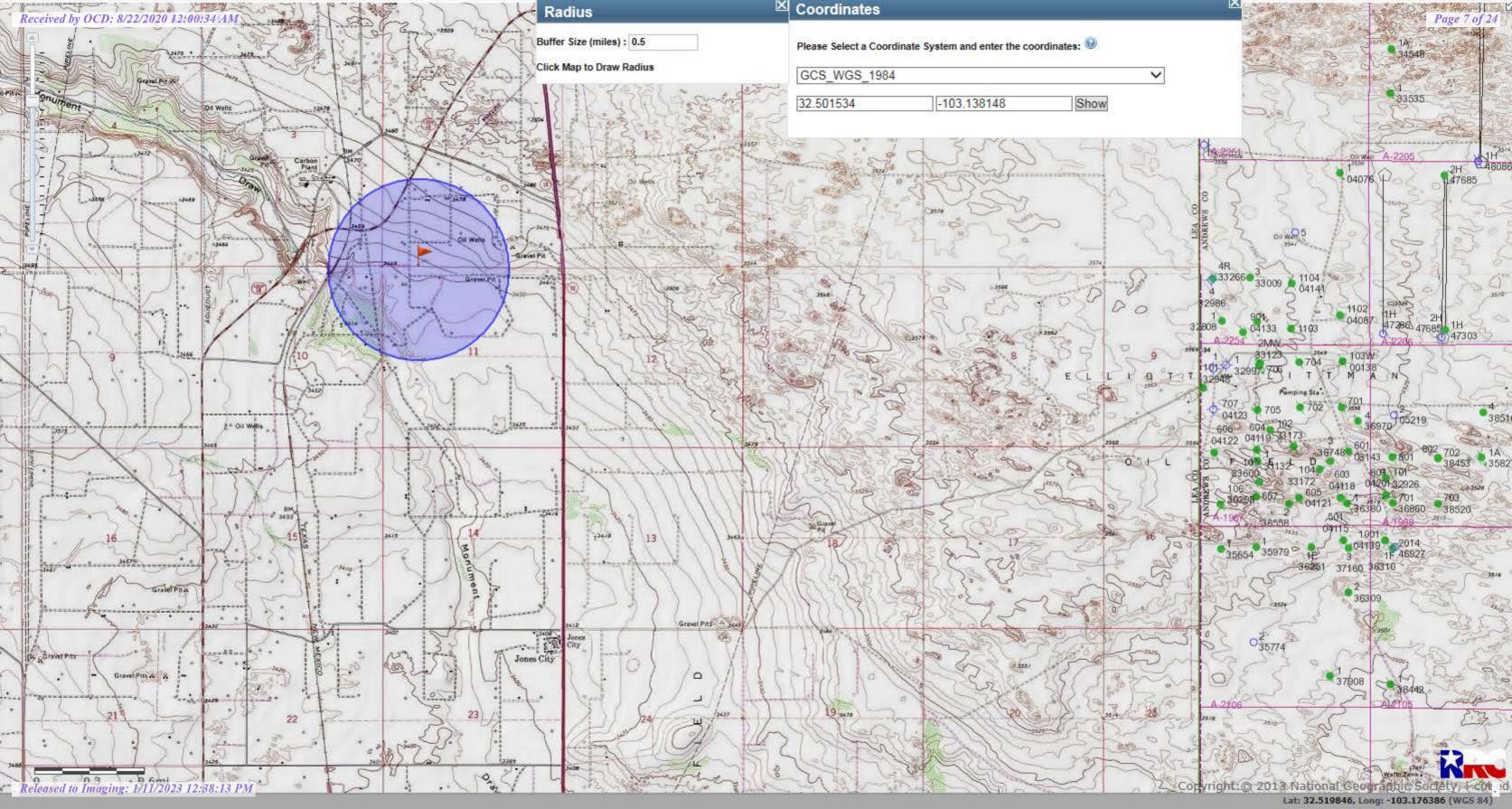
Top Bottom

> 25 45

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

8/20/20 2:58 PM

POINT OF DIVERSION SUMMARY







NEDU Injection Line

Complete List

	Sample	Depth	Chloride	Benzene	Toulene	Ethybenzene	Total	Total	GRO	DRO	EXT DRO	GPS Coordinates
Map ID	Date	·				•	Xylenes	ВТЕХ				
												32.501534
SP1	8/23/2019	S	48	< 0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.138148
	8/23/2019	1'	48	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		2'	416									
												32.501315
SP 2	8/23/2019	S	<16.0									-103.138191
	8/23/2019	1'	<16.0									
												32.501096
SP3	8/23/2019	S	<16.0	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.137954
	8/23/2019	1'	<16.0	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
												32.501327 -
SP 4	8/23/2019	S	<16.0									103.137682
	8/23/2019	4"	<16.0									
												32.501477
SP 5	8/23/2019	S	<16.0	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.137606
	8/23/2019	1'	<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	



August 28, 2019

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU #339

Enclosed are the results of analyses for samples received by the laboratory on 08/23/19 16:58.

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 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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. 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: 08/23/2019
Reported: 08/28/2019
Project Name: NEDU #339

Project Name: NEDU #339
Project Number: NEDU #339
Project Location: NONE GIVEN

Sampling Date: 08/23/2019

Sampling Type: Soil

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

Sample ID: SP 1 @ SURFACE (H902921-01)

DTEV 0021D

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	08/27/2019	ND	1.72	86.2	2.00	2.96	
Toluene*	<0.050	0.050	08/27/2019	ND	1.93	96.5	2.00	2.57	
Ethylbenzene*	<0.050	0.050	08/27/2019	ND	1.98	99.2	2.00	3.86	
Total Xylenes*	<0.150	0.150	08/27/2019	ND	6.02	100	6.00	4.76	
Total BTEX	<0.300	0.300	08/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	227	113	200	0.151	
DRO >C10-C28*	<10.0	10.0	08/28/2019	ND	234	117	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/28/2019	ND					
Surrogate: 1-Chlorooctane	85.7	% 41-142	!						
Surrogate: 1-Chlorooctadecane	93.0	% 37.6-14	7						

Applymed By MC

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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: 08/23/2019
Reported: 08/28/2019
Project Name: NEDU #339

Project Name: NEDU #339
Project Number: NEDU #339
Project Location: NONE GIVEN

Sampling Date: 08/23/2019

Sampling Type: Soil

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

Sample ID: SP 1 @ 1' (H902921-02)

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	08/27/2019	ND	1.72	86.2	2.00	2.96	
Toluene*	<0.050	0.050	08/27/2019	ND	1.93	96.5	2.00	2.57	
Ethylbenzene*	<0.050	0.050	08/27/2019	ND	1.98	99.2	2.00	3.86	
Total Xylenes*	<0.150	0.150	08/27/2019	ND	6.02	100	6.00	4.76	
Total BTEX	<0.300	0.300	08/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-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	08/28/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	227	113	200	0.151	
DRO >C10-C28*	<10.0	10.0	08/28/2019	ND	234	117	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/28/2019	ND					
Surrogate: 1-Chlorooctane	99.8	% 41-142	•						
Surrogate: 1-Chlorooctadecane	110	% 37.6-14	7						

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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:
 08/23/2019
 Sampling Date:
 08/23/2019

 Reported:
 08/28/2019
 Sampling Type:
 Soil

Project Name: NEDU #339 Sampling Condition: Cool & Intact
Project Number: NEDU #339 Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SP 1 @ 2' (H902921-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	08/28/2019	ND	432	108	400	0.00	

Sample ID: SP 2 @ SURFACE (H902921-04)

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	08/28/2019	ND	432	108	400	0.00	

Sample ID: SP 2 @ 1' (H902921-05)

Chloride, SM4500CI-B	de, SM4500Cl-B mg/kg			d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/28/2019	ND	432	108	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:
 08/28/2019
 Sampling Type:
 Soil

Project Name: NEDU #339 Sampling Condition: Cool & Intact
Project Number: NEDU #339 Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: NONE GIVEN

Sample ID: SP 3 @ SURFACE (H902921-06)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2019	ND	1.73	86.6	2.00	1.69	
Toluene*	<0.050	0.050	08/28/2019	ND	1.94	97.0	2.00	3.33	
Ethylbenzene*	<0.050	0.050	08/28/2019	ND	2.06	103	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/28/2019	ND	6.17	103	6.00	1.19	
Total BTEX	<0.300	0.300	08/28/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.2	% 73.3-12	9						
Chloride, SM4500CI-B	-B mg/kg An			d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/28/2019	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	227	113	200	0.151	
DRO >C10-C28*	<10.0	10.0	08/28/2019	ND	234	117	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/28/2019	ND					
Surrogate: 1-Chlorooctane	97.6	% 41-142	•						
Surrogate: 1-Chlorooctadecane	108	% 37.6-14	7						

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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: 08/23/2019 Reported: 08/28/2019

Project Name: NEDU #339
Project Number: NEDU #339
Project Location: NONE GIVEN

Sampling Date: 08/23/2019

Sampling Type: Soil

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

Sample ID: SP 3 @ 1' (H902921-07)

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	08/28/2019	ND	1.73	86.6	2.00	1.69			
Toluene*	<0.050	0.050	08/28/2019	ND	1.94	97.0	2.00	3.33			
Ethylbenzene*	<0.050	0.050	08/28/2019	ND	2.06	103	2.00	1.29			
Total Xylenes*	<0.150	0.150	08/28/2019	ND	6.17	103	6.00	1.19			
Total BTEX	<0.300	0.300	08/28/2019	ND							
Surrogate: 4-Bromofluorobenzene (PID	88.7	% 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	08/28/2019	ND	432	108	400	0.00			
TPH 8015M	mg/kg		mg/kg		Analyzed By: CK			100			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	227	113	200	0.151			
DRO >C10-C28*	<10.0	10.0	08/28/2019	ND	234	117	200	3.14			
EXT DRO >C28-C36	<10.0	10.0	08/28/2019	ND							
Surrogate: 1-Chlorooctane	91.1	% 41-142	?								
Surrogate: 1-Chlorooctadecane	100	% 37.6-14	7								

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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: 08/23/2019 Sampling Date: 08/23/2019

Reported: 08/28/2019 Sampling Type: Soil

Project Name: NEDU #339 Sampling Condition: Cool & Intact
Project Number: NEDU #339 Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SP 4 @ SURFACE (H902921-08)

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	08/28/2019	ND	432	108	400	0.00	

Sample ID: SP 4 @ 4" (H902921-09)

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	08/28/2019	ND	432	108	400	0.00	

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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: 08/23/2019
Reported: 08/28/2019
Project Name: NEDU #339

Project Name: NEDU #339
Project Number: NEDU #339
Project Location: NONE GIVEN

Sampling Date: 08/23/2019

Sampling Type: Soil

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

Sample ID: SP 5 @ SURFACE (H902921-10)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2019	ND	1.73	86.6	2.00	1.69	
Toluene*	<0.050	0.050	08/28/2019	ND	1.94	97.0	2.00	3.33	
Ethylbenzene*	<0.050	0.050	08/28/2019	ND	2.06	103	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/28/2019	ND	6.17	103	6.00	1.19	
Total BTEX	<0.300	0.300	08/28/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.8	% 73.3-12	9						
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	08/28/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	227	113	200	0.151	
DRO >C10-C28*	<10.0	10.0	08/28/2019	ND	234	117	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/28/2019	ND					
Surrogate: 1-Chlorooctane	83.9	% 41-142							
Surrogate: 1-Chlorooctadecane	91.1	% 37.6-14	7						

Analyzed By: me

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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: 08/23/2019 Reported: 08/28/2019

Project Name: NEDU #339 Project Number: NEDU #339 Project Location: NONE GIVEN Sampling Date: 08/23/2019

Sampling Type: Soil

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

Sample ID: SP 5 @ 1' (H902921-11)

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	08/28/2019	ND	1.73	86.6	2.00	1.69	
Toluene*	<0.050	0.050	08/28/2019	ND	1.94	97.0	2.00	3.33	
Ethylbenzene*	<0.050	0.050	08/28/2019	ND	2.06	103	2.00	1.29	
Total Xylenes*	< 0.150	0.150	08/28/2019	ND	6.17	103	6.00	1.19	
Total BTEX	<0.300	0.300	08/28/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.8	% 73.3-12	9						
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	08/28/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	227	113	200	0.151	
DRO >C10-C28*	<10.0	10.0	08/28/2019	ND	234	117	200	3.14	
EXT DRO >C28-C36	<10.0	10.0	08/28/2019	ND					
Surrogate: 1-Chlorooctane	101 9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	113 9	37.6-14	7						

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Notes and Definitions

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

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: HOCK NO	6)[44][6]		ANALYSIS REQUEST
Project Manager: Down Project (Jeller) Troom	P.O. #:		
Address:	Company:		
City: 人かりら State: ()人 Zip: 名を紹う	Attn:		
Phone #: Fax #:	Address:	8	
Project #: Project Owner:	City:		
Project Name:	State: Zip:		
Project Location: (1) 339	Phone #:		
Sampler Name: Orgo, Organistica Of.	Fax #:		
	PRESERV. SAMPLING		
RS TER		7011 V	
(G)RAB OR (C) # CONTAINED GROUNDWA WASTEWATE SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE)/ COOL OTHER: DATE	CL Ext T	6 1 A L
1 SP 1 Suctore 111	(8/83 5:52	/	
9:	∽ `,	/	
~ .) 15:56	1	
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SP3 WEARR) (6:C4)	1	
7583	10.06	/ ht	
8Sp 4 Surface	80:01	/	
3 Spu @4"	01:30	1	
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out of or related to the performance of services hereunder by Ca	rea	-H-	Š
Relinquished By:	Phone Result:	esult: Yes	No Add'l Phone #:
Relinquished By: Date: Received By:	REMARKS:	E g	2
Time:	2		
Delivered By: (Circle One) D. 8 c #97 Sample Condition Cool Intact	tion CHECKED BY:		
Sampler - UPS - Bus - Other: Corrected 1.20 Ino Ino	40		



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(3/3) 333-2320 1 77 (3/3) 333-2410		
Company Name: A CYAC IN S	BILLITO	ANALYSIS REQUEST
Project Manager: Bruch Balter	P.O. #:	
	Company:	
city: 以から state: 以从 zip: 家会中心	Attn:	
l (D	Address:	
Project #: Project Owner:	City:	
Project Name:	State: Zip:	
Project Location: SEDW 339	Phone #:	
Sampler Name:)100 Ding serve de des	Fax #:	
	MATRIX PRESERV. SAMPLING	
RS TER		
Lab I.D. Sample I.D. Siral or (Caracteristic Secondaria) Sample I.D. Sample I.D.	SOIL DIL SLUDGE OTHER: ACID/BASE: CE)/COOL OTHER:	C/ Ext BTEX
	/(6.80 ///
11 SPS @11	/ 8/63	6:50 / /
Contracts tability and allosts exclusive sensety for any dainy arising whether based in contract or tod. Shall be limited to the amount paid by the client for the	hassed in contract or tod, shall be limited to the amount paid by	the client for the
Analyses. All claims including bloose for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including lightness and any other cause whatsoever shall be deeded by client, its substitutions are shall cardinal be lable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substitutions are shall cardinal be lable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substitutions are not used to be added to be consequental damages, including without limitation, business interruptions, loss of use, or loss of profits for unless the state of the same of the above stated reasons or otherwise.	washed to the defended waived unless made in writing and received by Cardinal within 30 days after completion of the use whatboover shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion to the cardinal damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiarities are cardinal set whether such beliam is based unon any of the above stated reasons or otherwise.	mpletion of the applicable it, its subsidiaries, is or otherwise.
	: P	Phone Result: □ Yes □ No Add'l Phone #: Fax Result: □ Yes □ No Add'l Fax #:
Relinquished By:	iara Malaksa	
Delivered By: (Circle One) 0 82 #97 Sar	le Condition CHI	り、いめいま
3 6	No No (initials)	Cines (/ ws cm - "

Photos





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 9795

CONDITIONS

Operator:	OGRID:
APACHE CORPORATION	873
303 Veterans Airpark Ln	Action Number:
Midland, TX 79705	9795
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
amaxwe	II None	1/11/2023