



303 Veterans Airpark Lane Midland, TX 79705

Closure Report

March 10, 2022

Re: EBDU 22
Case # NRM2017549520

On 6/8/2020 a release was discovered due to a steel connection corroded at the well head resulting in the loss of produced water. The release (GPS 32.48805, -103.12631) is located north of Eunice, New Mexico in unit letter P section 11 township 21S range 37E. A ground water survey was conducted utilizing well data from USGS and NMOSE. The nearest well suggest that ground water below the release is 60 feet. On 8/26/2020 and 8/27/2020 vertical and horizontal delineation was conducted utilizing a backhoe collecting samples in regular intervals. All samples collected were field tested for chlorides and representative samples were taking to a commercial laboratory for analysis of chloride, TPH, and BTEX.

On 7/23/2021 the area around SP1 was excavated to a depth of 6". Once the excavation was complete final five-point bottom and wall samples were taken in accordance with the approved remediation plan. Final five-point bottom and wall samples were taken to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory analysis for all samples confirm levels below table one standards for releases 51-100 feet to ground water. All excavated soil (12 yards) was taken to an approved OCD facility. The excavated area was backfilled with clean imported caliche.

On 11/5/2021 the closure request was denied due to no depth to water determination was in the report. The depth to water determination has been added to the report.

Apache Corporation has completed remediation to below table one standards and respectfully requests event # NRM2017549520 be closed.

Enclosed: C-141, Groundwater Data, Sample Data, Laboratory Results, Photo Page, Map, field notes.

Submitted by;

Bruce Baker

Environmental Technician
larry.baker@apachecorp.com
Cell# 432-215-2284

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Larry Baker Title: Environmental Tech SR.
 Signature: *Larry Baker* Date: 3/10/2022
 email: larry.baker@apachecorp.com Telephone: 432-215-2284

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: *Jennifer Nobui* Date: 03/31/2022
 Printed Name: Jennifer Nobui Title: Environmental Specialist A

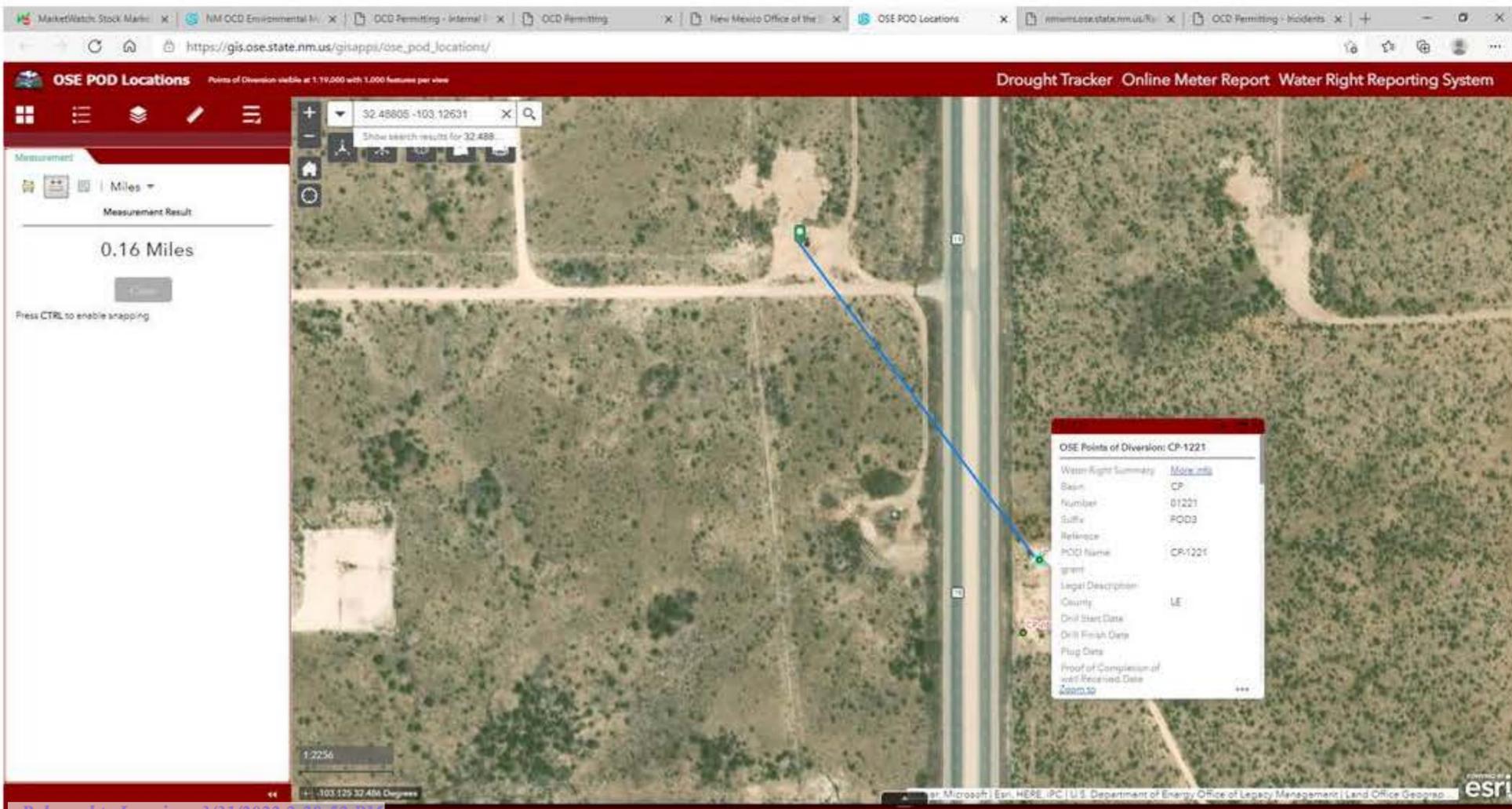
HR Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
To Baker, Larry
Cc Bratcher, Mike, EMNRD; Eads, Cristina, EMNRD

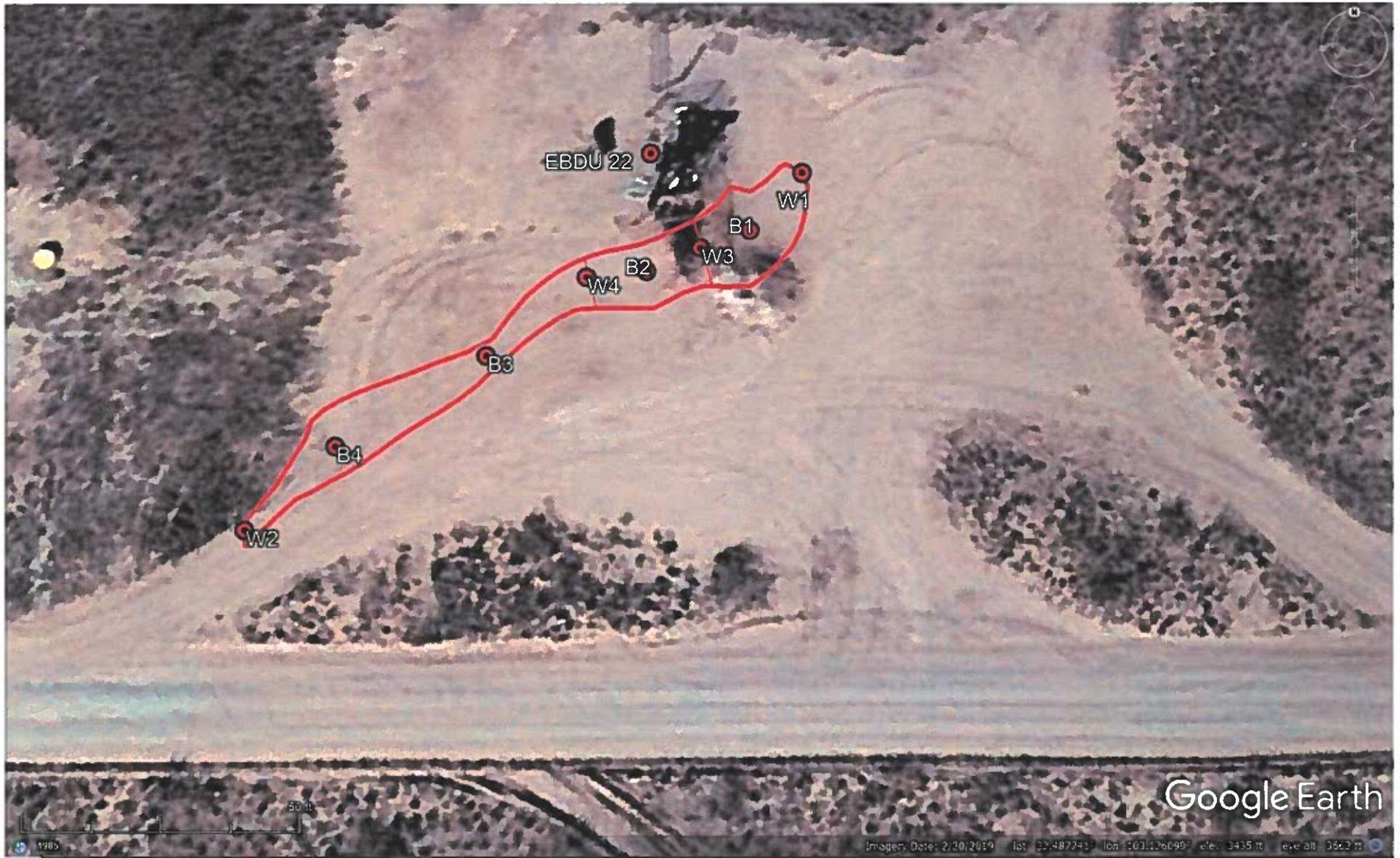
Larry,

The OSE site includes this particular well (CP 01221), our NM OCD Environmental Map does not. It looks like we need an update to our Map. We should be able to approve the remediation plan for chlorides under 10,000 mg/kg. I will go back and approve the plan and image it into the incident file.

The 1/2 mile and 25 year instructions come from a Spill Rule Clarification Document that has been put on the OCD website.

IX. DETERMINING DEPTH TO GROUNDWATER: a. The remediation levels provided in Table I are largely dependent upon depth to groundwater. As such, the OCD focuses upon depth to water estimation. 19.15.11(A)(2) NMAC allows for various means of determining depth to groundwater. If nearby wells are used, it is preferable if they are situated within 1/2-mile of the release, the water level information is no more than 25 years old, and well construction information is provided. If the water level information does not meet these criteria, the OCD may require boring to a limited depth for verification. If the operator has applicable information which does not meet the above preference, we will review it on a case by case basis to determine if it is acceptable.





Final Samples

Sample Date	Sample ID	Depth	Chloride Lab	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
7/23/2021	W1	S	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.488067 -103.126237
7/23/2021	W2	S	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.487871 -103.126581
7/23/2021	W3	6"	2140	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.488024 -103.126303
7/23/2021	W4	6"	784	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.488007 -103.126375
7/23/2021	B1	S	2120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.488034 -103.126271
7/23/2021	B2 @ 6"	6"	624	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.488011 -103.126337
7/23/2021	B3	S	1180	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.487964 -103.126437
7/23/2021	B4	S	800	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.487915 -103.126529



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

July 28, 2021

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

RE: EBDU 22

Enclosed are the results of analyses for samples received by the laboratory on 07/23/21 12:48.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/23/2021	Sampling Date:	07/23/2021
Reported:	07/28/2021	Sampling Type:	Soil
Project Name:	EBDU 22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 1 (H211940-01)

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	07/26/2021	ND	1.89	94.6	2.00	7.58		
Toluene*	<0.050	0.050	07/26/2021	ND	2.03	101	2.00	7.79		
Ethylbenzene*	<0.050	0.050	07/26/2021	ND	1.94	97.0	2.00	8.49		
Total Xylenes*	<0.150	0.150	07/26/2021	ND	5.83	97.2	6.00	6.64		
Total BTEX	<0.300	0.300	07/26/2021	ND						

Surrogate: *p*-Bromofluorobenzene (PIE) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/27/2021	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	07/27/2021	ND	201	100	200	1.71		
DRO >C10-C28*	<10.0	10.0	07/27/2021	ND	205	102	200	0.381		
EXT DRO >C28-C36	<10.0	10.0	07/27/2021	ND						

Surrogate: *l*-Chlorooctane 73.8 % 41.3-133

Surrogate: *l*-Chlorooctadecane 70.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/23/2021	Sampling Date:	07/23/2021
Reported:	07/28/2021	Sampling Type:	Soil
Project Name:	EBDU 22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 2 (H211940-02)

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	07/26/2021	ND	1.89	94.6	2.00	7.58		
Toluene*	<0.050	0.050	07/26/2021	ND	2.03	101	2.00	7.79		
Ethylbenzene*	<0.050	0.050	07/26/2021	ND	1.94	97.0	2.00	8.49		
Total Xylenes*	<0.150	0.150	07/26/2021	ND	5.83	97.2	6.00	6.64		
Total BTEx	<0.300	0.300	07/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/27/2021	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	07/27/2021	ND	177	88.6	200	1.40		
DRO >C10-C28*	<10.0	10.0	07/27/2021	ND	197	98.6	200	0.391		
EXT DRO >C28-C36	<10.0	10.0	07/27/2021	ND						

Surrogate: 1-Chlorooctane 91.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/23/2021 Sampling Date: 07/23/2021
Reported: 07/28/2021 Sampling Type: Soil
Project Name: EBDU 22 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker
Project Location: NONE GIVEN

Sample ID: W 3 (H211940-03)

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include Benzene*, Toluene*, Ethylbenzene*, Total Xylenes*, and Total BTEX.

Surrogate: 4-Bromofluorobenzene (PIE) 100% 69.9-140

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Row includes Chloride.

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include GRO C6-C10*, DRO >C10-C28*, and EXT DRO >C28-C36.

Surrogate: 1-Chlorooctane 92.9% 44.3-133

Surrogate: 1-Chlorooctadecane 102% 38.9-142

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Signature of Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/23/2021	Sampling Date:	07/23/2021
Reported:	07/28/2021	Sampling Type:	Soil
Project Name:	EBDU 22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 4 (H211940-04)

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	07/26/2021	ND	1.89	94.6	2.00	7.58		
Toluene*	<0.050	0.050	07/26/2021	ND	2.03	101	2.00	7.79		
Ethylbenzene*	<0.050	0.050	07/26/2021	ND	1.94	97.0	2.00	8.49		
Total Xylenes*	<0.150	0.150	07/26/2021	ND	5.83	97.2	6.00	6.64		
Total BTEX	<0.300	0.300	07/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	07/27/2021	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	07/27/2021	ND	177	88.6	200	1.40		
DRO >C10-C28*	<10.0	10.0	07/27/2021	ND	197	98.6	200	0.391		
EXT DRO >C28-C36	<10.0	10.0	07/27/2021	ND						

Surrogate: 1-Chlorooctane 86.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/23/2021	Sampling Date:	07/23/2021
Reported:	07/28/2021	Sampling Type:	Soil
Project Name:	EBDU 22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 1 @ SURFACE (H211940-05)

BTEX 80218		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2021	ND	1.89	94.6	2.00	7.58		
Toluene*	<0.050	0.050	07/26/2021	ND	2.03	101	2.00	7.79		
Ethylbenzene*	<0.050	0.050	07/26/2021	ND	1.94	97.0	2.00	8.49		
Total Xylenes*	<0.150	0.150	07/26/2021	ND	5.83	97.2	6.00	6.64		
Total BTEX	<0.300	0.300	07/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 97.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	07/27/2021	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	07/27/2021	ND	177	88.6	200	1.40		
DRO >C10-C28*	<10.0	10.0	07/27/2021	ND	197	98.6	200	0.391		
EXT DRO >C28-C36	<10.0	10.0	07/27/2021	ND						

Surrogate: 1-Chlorooctane 77.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/23/2021
 Reported: 07/28/2021
 Project Name: EBDU 22
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 07/23/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 2 @ 6" (H211940-06)

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	07/26/2021	ND	1.89	94.6	2.00	7.58		
Toluene*	<0.050	0.050	07/26/2021	ND	2.03	101	2.00	7.79		
Ethylbenzene*	<0.050	0.050	07/26/2021	ND	1.94	97.0	2.00	8.49		
Total Xylenes*	<0.150	0.150	07/26/2021	ND	5.83	97.2	6.00	6.64		
Total BTEX	<0.300	0.300	07/26/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	07/27/2021	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	07/27/2021	ND	177	88.6	200	1.40		
DRO >C10-C28*	<10.0	10.0	07/27/2021	ND	197	98.6	200	0.391		
EXT DRO >C28-C36	<10.0	10.0	07/27/2021	ND						

Surrogate: 1-Chlorooctane 87.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 100 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/23/2021	Sampling Date:	07/23/2021
Reported:	07/28/2021	Sampling Type:	Soil
Project Name:	EBDU 22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 3 @ SURFACE (H211940-07)

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	07/26/2021	ND	1.89	94.6	2.00	7.58		
Toluene*	<0.050	0.050	07/26/2021	ND	2.03	101	2.00	7.79		
Ethylbenzene*	<0.050	0.050	07/26/2021	ND	1.94	97.0	2.00	8.49		
Total Xylenes*	<0.150	0.150	07/26/2021	ND	5.83	97.2	6.00	6.64		
Total BTEX	<0.300	0.300	07/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	07/27/2021	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	07/27/2021	ND	177	88.6	200	1.40		
DRO >C10-C28*	<10.0	10.0	07/27/2021	ND	197	98.6	200	0.391		
EXT DRO >C28-C36	<10.0	10.0	07/27/2021	ND						

Surrogate: 1-Chlorooctane 94.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/23/2021	Sampling Date:	07/23/2021
Reported:	07/28/2021	Sampling Type:	Soil
Project Name:	EBDU 22	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 4 @ SURFACE (H211940-08)

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	07/27/2021	ND	1.89	94.6	2.00	7.58		
Toluene*	<0.050	0.050	07/27/2021	ND	2.03	101	2.00	7.79		
Ethylbenzene*	<0.050	0.050	07/27/2021	ND	1.94	97.0	2.00	8.49		
Total Xylenes*	<0.150	0.150	07/27/2021	ND	5.83	97.2	6.00	6.64		
Total BTEX	<0.300	0.300	07/27/2021	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	07/27/2021	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	07/27/2021	ND	177	88.6	200	1.40		
DRO >C10-C28*	<10.0	10.0	07/27/2021	ND	197	98.6	200	0.391		
EXT DRO >C28-C36	<10.0	10.0	07/27/2021	ND						

Surrogate: 1-Chlorooctane 92.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

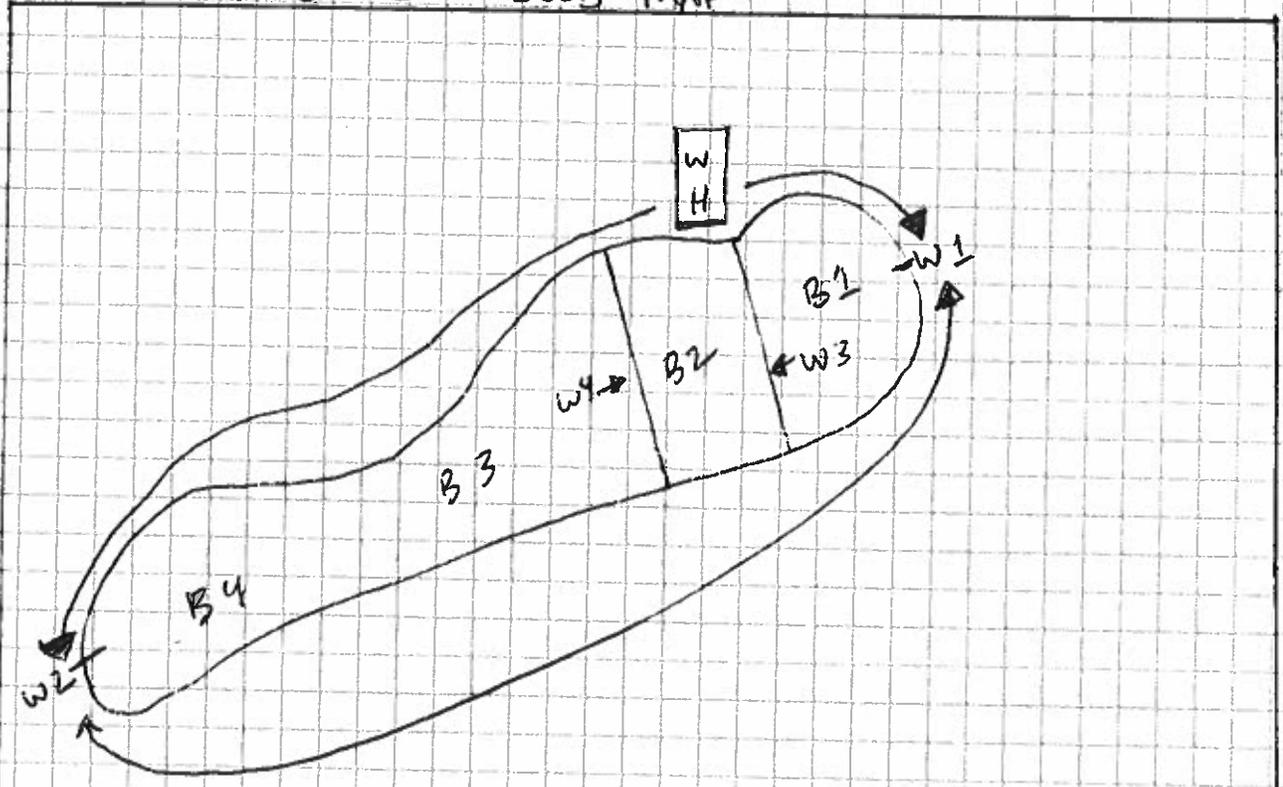
Company Name: <i>Opacite Operations</i> Project Manager: <i>Paula Bice</i>		Address: City: State: Zip:		FOR LAB USE ONLY	
Project Name: <i>EBDU 22</i> Project Location: <i>EBDU 22</i> Sampler Name: <i>Jeff Bower</i>		Project Owner: City: State: Zip: Phone #: Fax #:		Company: Attn: Address: City: State: Zip: Phone #: Fax #:	
Lab I.D.: <i>H2119440</i>		Sample I.D.:		DATE TIME	
<i>1 W1</i> <i>2 W2</i> <i>3 W3</i> <i>4 W4</i> <i>5 B1 @ Surface</i> <i>6 B2 @ 6"</i> <i>7 B3 @ Surface</i> <i>8 B4 @ Surface</i>		(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER ACID/BASE ICE / COOL OTHER		MATRIX PRESERV SAMPLING	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: <i>5.9</i> Corrected Temp. °C:		Sample Condition: Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: (Initials) <i>JP</i>	
Retrieved By: <i>Jeff Bower</i> Retrieved By: <i>Sumera Akhtar</i> Date: <i>7/25/21</i> Time: <i>7:48</i>		Received By:		Vertical Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Remarks:		Turnaround Time:		Standard <input checked="" type="checkbox"/> <i>Result</i> Add'l Phone #:	
Bacteria (only) Sample Condition: Cool Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C:		Bacteria (only) Sample Condition: Cool Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C:		Corrected Temp. °C:	



7/03/21 EBDU 22 FINAL SAMPLES GPS Coordinates - NRM 2017549520

- W1 - 32.488067, -103.126237
- W2 - 32.487871, -103.126581
- W3 - 32.488024, -103.126303
- W4 - 32.488007, -103.126375
- B1 - 32.488034, -103.126271
- B2 \odot - 32.488011, -103.126337
- B3 - 32.487964, -103.126437
- B4 - 32.487915, -103.126529

- EBDU 22 FIELD MAP -



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

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

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

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

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

CONDITIONS
 Action 89160

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 89160
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/31/2022