

**Apache Corporation
Turner Battery Water Transfer Line
NRM2024528755**

Final Remediation Report

Introduction

This report presents the results of remediation activities at the Turner Battery Water Transfer Line. On behalf of Apache Corporation (Apache), Diamondback Disposal Services, Inc (Diamondback) was tasked with the cleanup and remediation of release NRM2024528755. The release occurred in Unit Letter K, Section 22, Township 21S, Range 37E at coordinates 32.46367, -103.15219. The remediation was performed in general accordance with the New Mexico Oil Conservation Division (NMOCD) rules and regulations for releases dated July 24, 2018 and approved NMOCD work plan dated October 27, 2020.

Overview

The spill site is located mostly on private land, owned by Deck Estate, consisting of grass, prairie, or range lands. Approximately 28 bbls of produced water was lost with 15 bbls being recovered, due to a ruptured 3" poly flow line.

Regulatory Guidelines

Upon review of the site characteristics, depth to ground water being 51'-100' according to well data obtained from New Mexico Office of the State Engineer, and Table 1 Closure Criteria, The Recommended Remediation Action Levels (RRAL), determined by the latest NMOCD guidelines (19.15.29 NMAC) are as follows: 10,000mg/kg Chloride, 1,000 mg/kg GRO/DRO, 2,500 mg/kg GRO/DRO/MRO, 50 mg/kg BTEX, 10mg/kg Benzene.

Remediation Activities

Between the dates of February 8, 2021 and March 5, 2021, Diamondback excavated approximately 800 cubic yards (cy) of impacted material, loaded, and transported to Sundance Services Parabo Facility for disposal. Depth of excavation is approximately 4 feet below ground surface. Between the dates of February 22, 2021 and March 10, 2021 the site was sampled to determine if RRAL's had been met. Five-point composite samples were collected, every 200 square feet of side wall, packaged and delivered to a third-party lab, with chain of custody, for testing as per regulatory standards. (see attached analytical). Upon review of analytical, all wall samples prove to be below Table 1 RRAL's for site closure. Being that the spill area was excavated to a depth of 4 feet bgs all restoration and reclamation standards have been met. On March 23, 2021, a 20-mil reinforced liner was installed at 4' bgs throughout the entire excavation and seated along edges. On March 23, 2021 backfilling began and ran thru March 26, 2021. Backfill was obtained from the surrounding dunes at the private surface owner's request. Material was placed in a manner to promote compaction, crowned, and sloped to promote storm water runoff and erosion prevention. Excavated pasture area, including unexcavated disturbed areas., will be seeded during the next optimal growing season with seed mix approved by Deck Estate.

Conclusions

Upon review of all analytical and data provide by the third-party independent lab, it is our belief that all recommended remediation action levels have been met. Diamondback feels the migration of any remaining contaminants through the vadose zone, has been greatly reduced. Therefore, leaving this site in a manner that will pose very little if any future environmental threat.

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: 4/23/2021
email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: Chad Hensley Date: 07/29/2021

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: _____ Date: 07/29/2021
Printed Name: Chad Hensley Title: Environmental Specialist Advanced

Project Name:**Turner Battery Transfer Line**

SAMPLE ID	SAMPLE DATE	DEPTH FT BGS	CHLORIDE Mg/Kg	BTEX Mg/Kg	TPH Mg/Kg
Sec W 1 Wall (H210604-01)	3-10-21	1'-4'	288	<0.300	<10.0
Sec W 2 Wall (H210604-02)	3-10-21	1'-4'	304	<0.300	<10.0
Sec W 3 Wall (H210604-03)	3-10-21	1'-4'	<16.0	<0.300	<10.0
Sec W 4 Wall (H210604-04)	3-10-21	1'-4'	<16.0	<0.300	<10.0
Sec W 5 Wall (H210604-05)	3-10-21	1'-4'	864	<0.300	<10.0
Sec W 5 Wall (H210684-01)	3-18-21	1'-4'	32.0	N/A	N/A
Sec W 6 Wall (H210604-06)	3-10-21	1'-4'	656	<0.300	<10.0
Sec W 6 Wall (H210684-02)	3-18-21	1'-4'	16.0	N/A	N/A
Sec W 7 Wall (H210604-07)	3-10-21	1'-4'	752	<0.300	<10.0
Sec W 7 Wall (H210684-03)	3-18-21	1'-4'	32.0	N/A	N/A

Turner Battery water Transfer Line

Legend

- Excavation
- Wall Sections
- Wall Section Line



W

270

NW

300

N

N

0

30

☉ 324°NW (T) ● 32°27'49"N, 103°9'6"W ±13ft ▲ 3415ft



Excavation
Diamondback

Turner Water Transfer Line
20 Mar 2021, 08:39:04

0

60

90

120

150

180

E

E

SE

S

☀ 116°SE (T)

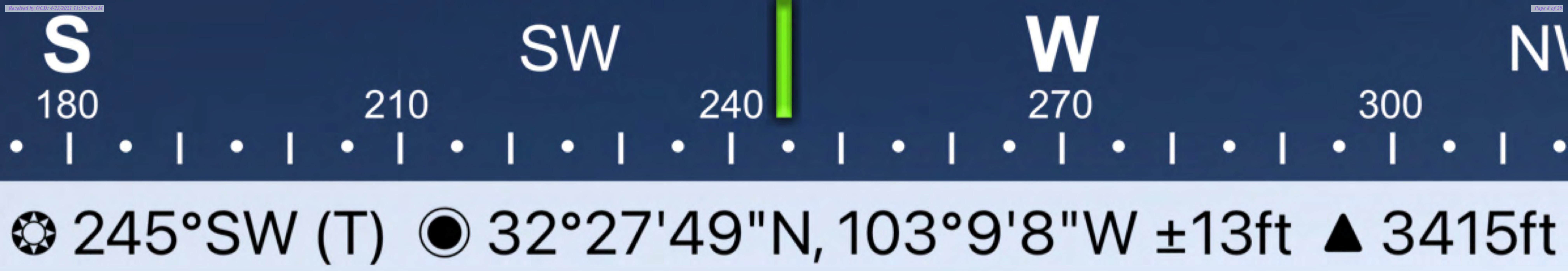
🕒 32°27'49"N, 103°9'7"W ±13ft

▲ 3416ft



Excavation
Diamondback

Turner Water Transfer Line
20 Mar 2021, 08:40:13



Excavation
Diamondback

Turner Water Transfer Line
20 Mar 2021, 08:40:27



Excavation
Diamondback

Turner Water Transfer Line
20 Mar 2021, 08:40:40







SE

S

SW

120

150

180

210

240

☀ 181°S (T) ● 32°27'49"N, 103°9'7"W ±13ft ▲ 3413ft

23 Mar 2021, 11:40:55



SE

S

SW

120

150

180

210

240

☀ 173°S (T) ● 32°27'49"N, 103°9'7"W ±13ft ▲ 3417ft

23 Mar 2021, 11:41:06



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

March 16, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TURNER BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/10/21 16:19.

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: 03/10/2021
 Reported: 03/16/2021
 Project Name: TURNER BATTERY
 Project Number: WATER TRANSFER LINE
 Project Location: NONE GIVEN

Sampling Date: 03/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W 1 BGS 1'- 4' (H210604-01)

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	03/13/2021	ND	1.92	95.8	2.00	0.0580	
Toluene*	<0.050	0.050	03/13/2021	ND	1.92	95.8	2.00	2.11	
Ethylbenzene*	<0.050	0.050	03/13/2021	ND	1.93	96.3	2.00	2.18	
Total Xylenes*	<0.150	0.150	03/13/2021	ND	6.15	102	6.00	2.17	
Total BTEX	<0.300	0.300	03/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg							
		Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/12/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg							
		Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2021	ND	183	91.7	200	3.26	
DRO >C10-C28*	<10.0	10.0	03/15/2021	ND	193	96.4	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	03/15/2021	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/10/2021	Sampling Date:	03/10/2021
Reported:	03/16/2021	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	WATER TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: W 2 BGS 1'- 4' (H210604-02)

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	03/13/2021	ND	1.92	95.8	2.00	0.0580	
Toluene*	<0.050	0.050	03/13/2021	ND	1.92	95.8	2.00	2.11	
Ethylbenzene*	<0.050	0.050	03/13/2021	ND	1.93	96.3	2.00	2.18	
Total Xylenes*	<0.150	0.150	03/13/2021	ND	6.15	102	6.00	2.17	
Total BTEx	<0.300	0.300	03/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	03/12/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2021	ND	183	91.7	200	3.26	
DRO >C10-C28*	<10.0	10.0	03/12/2021	ND	193	96.4	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	03/12/2021	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/10/2021	Sampling Date:	03/10/2021
Reported:	03/16/2021	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	WATER TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: W 3 BGS 1'- 4' (H210604-03)

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	03/13/2021	ND	1.92	95.8	2.00	0.0580	
Toluene*	<0.050	0.050	03/13/2021	ND	1.92	95.8	2.00	2.11	
Ethylbenzene*	<0.050	0.050	03/13/2021	ND	1.93	96.3	2.00	2.18	
Total Xylenes*	<0.150	0.150	03/13/2021	ND	6.15	102	6.00	2.17	
Total BTEX	<0.300	0.300	03/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 73.3-129

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	03/12/2021	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2021	ND	183	91.7	200	3.26	
DRO >C10-C28*	<10.0	10.0	03/12/2021	ND	193	96.4	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	03/12/2021	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/10/2021	Sampling Date:	03/10/2021
Reported:	03/16/2021	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	WATER TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: W 4 BGS 1'- 4' (H210604-04)

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	03/12/2021	ND	2.06	103	2.00	5.35	
Toluene*	<0.050	0.050	03/12/2021	ND	2.14	107	2.00	5.40	
Ethylbenzene*	<0.050	0.050	03/12/2021	ND	2.11	106	2.00	5.23	
Total Xylenes*	<0.150	0.150	03/12/2021	ND	6.66	111	6.00	5.45	
Total BTEX	<0.300	0.300	03/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 73.3-129

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	03/12/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2021	ND	183	91.7	200	3.26	
DRO >C10-C28*	<10.0	10.0	03/12/2021	ND	193	96.4	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	03/12/2021	ND					

Surrogate: 1-Chlorooctane 90.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/10/2021	Sampling Date:	03/10/2021
Reported:	03/16/2021	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	WATER TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: W 5 BGS 1'- 4' (H210604-05)

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	03/12/2021	ND	2.06	103	2.00	5.35	
Toluene*	<0.050	0.050	03/12/2021	ND	2.14	107	2.00	5.40	
Ethylbenzene*	<0.050	0.050	03/12/2021	ND	2.11	106	2.00	5.23	
Total Xylenes*	<0.150	0.150	03/12/2021	ND	6.66	111	6.00	5.45	
Total BTEX	<0.300	0.300	03/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	03/12/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2021	ND	183	91.7	200	3.26	
DRO >C10-C28*	<10.0	10.0	03/12/2021	ND	193	96.4	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	03/12/2021	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/10/2021	Sampling Date:	03/10/2021
Reported:	03/16/2021	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	WATER TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: W 6 BGS 1'- 4' (H210604-06)

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	03/12/2021	ND	2.06	103	2.00	5.35		
Toluene*	<0.050	0.050	03/12/2021	ND	2.14	107	2.00	5.40		
Ethylbenzene*	<0.050	0.050	03/12/2021	ND	2.11	106	2.00	5.23		
Total Xylenes*	<0.150	0.150	03/12/2021	ND	6.66	111	6.00	5.45		
Total BTEX	<0.300	0.300	03/12/2021	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	03/12/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/12/2021	ND	183	91.7	200	3.26		
DRO >C10-C28*	<10.0	10.0	03/12/2021	ND	193	96.4	200	8.89		
EXT DRO >C28-C36	<10.0	10.0	03/12/2021	ND						

Surrogate: 1-Chlorooctane 89.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.7 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/10/2021	Sampling Date:	03/10/2021
Reported:	03/16/2021	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	WATER TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: W 7 BGS 1'- 4' (H210604-07)

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	03/12/2021	ND	2.06	103	2.00	5.35	
Toluene*	<0.050	0.050	03/12/2021	ND	2.14	107	2.00	5.40	
Ethylbenzene*	<0.050	0.050	03/12/2021	ND	2.11	106	2.00	5.23	
Total Xylenes*	<0.150	0.150	03/12/2021	ND	6.66	111	6.00	5.45	
Total BTEX	<0.300	0.300	03/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PII) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	03/12/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2021	ND	183	91.7	200	3.26	
DRO >C10-C28*	<10.0	10.0	03/12/2021	ND	193	96.4	200	8.89	
EXT DRO >C28-C36	<10.0	10.0	03/12/2021	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.6 % 42.2-156

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apex</u> Project Manager: <u>Bruce Baker</u> Address: City: <u>Albion</u> State: <u>MI</u> Zip: <u>48240</u> Phone #: Fax #: Project #: Project Owner: Project Name: Project Location: <u>Turner Battery Water Transfer Line</u> Sampler Name: <u>Joe Quisenberry</u>		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST			
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING	
Lab I.D. <u>H21D004</u> Sample I.D.		<input checked="" type="checkbox"/> (G)RAB OR <input checked="" type="checkbox"/> (C)OMP.		<input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER:		<input type="checkbox"/> ACID/BASE: <input checked="" type="checkbox"/> ICE/ COOL <input type="checkbox"/> OTHER:	
# CONTAINERS		DATE		TIME		PH	
1 2 3 4 5 6 7 u01 BGS 14 u02 BGS 14 u03 BGS 1-1 u04 BGS 14 u05 BGS 14 u06 BGS 14 u07 BGS 14		3/10 3/10 3:00 3:15 3:20 3:22		2:36 2:58 3:00 3:15 3:20 3:22		X X X X X X X	

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Relinquished By: <u>[Signature]</u> Relinquished By: <u>[Signature]</u> Date: <u>3/10/00</u> Time: <u>4:19</u> Date: <u>3/10/00</u> Time: <u>4:19</u> Received By: <u>[Signature]</u> Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS: <u>Discovered Back at yanco.com</u> Turnaround Time: <u>1 day</u> Standard: <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Thermometer ID #113 <input type="checkbox"/> Cool Intact <input type="checkbox"/> Correction Factor None <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C
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PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

March 18, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TURNER BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/18/21 8:55.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" being more prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/18/2021	Sampling Date:	03/18/2021
Reported:	03/18/2021	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	TURNER BATTERY WATER TRANSFER LI	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 5 BGS 1'-4' (H210684-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/18/2021	ND	400	100	400	3.92	

Sample ID: W 6 BGS 1'-4' (H210684-02)

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	03/18/2021	ND	400	100	400	3.92	


Sample ID: W 7 BGS 1'-4' (H210684-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/18/2021	ND	400	100	400	3.92	

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* = Accredited Analyte

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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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 25379

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 25379
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	7/29/2021