



303 Veterans Airpark Lane Midland, TX 79705

Closure Report

June 22, 2021

Re: Lockhart B 12 # 12
Case # NRM2021223307

On 7/23/2020 a release occurred due to a stuffing box failure. The release (GPS: 32.49962, -103.11024) is located north of Eunice, NM in unit letter A section 12 township 21S range 37E. A groundwater survey was conducted utilizing NMOSE and USGS wells of record. The nearest well suggest that groundwater beneath the release is 81 feet. A remediation plan was submitted and approve by OCD on 12/23/2021.

The release area was excavated to a depth of 1 foot. On 5/7/2021 final 5 point bottom and wall samples were collected in accordance with the approved remediation plan. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory results were below table one standards for releases 51-100 feet to groundwater. All excavated material was hauled to an OCD approved disposal facility. The excavation was backfilled with clean imported caliche and the pad was restored.

Apache Corporation has completed remediation to below table one standards and respectfully request event # NRM2021223307 be closed.

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

Submitted by;

Bruce Baker

Environmental Technician
larry.baker@apachecorp.com
Cell# 432-631-6982

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: 6/22/2021
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: Chad Hensley Date: 08/17/2021

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: *Chad Hensley* Date: 08/17/2021
 Printed Name: Chad Hensley Title: Environmental Specialist Advanced



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Google Earth



Final Samples

Sample Date	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
5/7/2021	B1	1'	208	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4994870, -103.1101693
5/7/2021	B2	1'	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4995871, -103.1101814
5/7/2021	B3	1'	112	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4996338, -103.1102166
5/7/2021	B4	1'	112	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4995799, -103.1102833
5/7/2021	B5	1'	112	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4994299, -103.1103168
5/7/2021	B6	1'	384	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.49943742, -103.1103272
5/7/2021	B7	1'	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4994050, -103.1102679
5/7/2021	W1	0-1'	112	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4995173, -103.1101368
5/7/2021	W2	0-1'	112	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4994791, -103.1103302
5/7/2021	W3	0-1'	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4994932, -103.1102947



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

May 12, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LOCKHART B12

Enclosed are the results of analyses for samples received by the laboratory on 05/07/21 15:35.

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 written in a cursive style.

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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	LOCKHART B12	Sampling Condition:	Cool & Intact
Project Number:	LOCK HART B12 #12	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 1 @ 1' (H211186-01)

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	05/10/2021	ND	2.07	104	2.00	1.52	
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780	
Total BTEX	<0.300	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	208	16.0	05/11/2021	ND	432	108	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	05/10/2021	ND	207	103	200	0.414	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	222	111	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.9 % 38.9-142

Cardinal Laboratories

*=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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	LOCKHART B12	Sampling Condition:	Cool & Intact
Project Number:	LOCK HART B12 #12	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 2 @ 1' (H211186-02)

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	05/10/2021	ND	2.07	104	2.00	1.52		
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192		
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17		
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780		
Total BTEX	<0.300	0.300	05/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	320	16.0	05/11/2021	ND	432	108	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	05/10/2021	ND	207	103	200	0.414		
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	222	111	200	1.06		
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND						

Surrogate: 1-Chlorooctane 95.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.4 % 38.9-142

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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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	LOCKHART B12	Sampling Condition:	Cool & Intact
Project Number:	LOCK HART B12 #12	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 3 @ 1' (H211186-03)

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	05/10/2021	ND	2.07	104	2.00	1.52		
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192		
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17		
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780		
Total BTEX	<0.300	0.300	05/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	112	16.0	05/11/2021	ND	432	108	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	05/10/2021	ND	207	103	200	0.414		
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	222	111	200	1.06		
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND						

Surrogate: 1-Chlorooctane 91.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.6 % 38.9-142

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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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	LOCKHART B12	Sampling Condition:	Cool & Intact
Project Number:	LOCK HART B12 #12	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 4 @ 1' (H211186-04)

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	05/10/2021	ND	2.07	104	2.00	1.52		
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192		
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17		
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780		
Total BTEX	<0.300	0.300	05/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	112	16.0	05/11/2021	ND	432	108	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	05/10/2021	ND	207	103	200	0.414		
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	222	111	200	1.06		
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND						

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	LOCKHART B12	Sampling Condition:	Cool & Intact
Project Number:	LOCK HART B12 #12	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 5 @ 1' (H211186-05)

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	05/10/2021	ND	2.07	104	2.00	1.52		
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192		
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17		
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780		
Total BTEX	<0.300	0.300	05/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	112	16.0	05/11/2021	ND	432	108	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	05/10/2021	ND	207	103	200	0.414		
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	222	111	200	1.06		
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND						

Surrogate: 1-Chlorooctane 92.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.6 % 38.9-142

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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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	LOCKHART B12	Sampling Condition:	Cool & Intact
Project Number:	LOCK HART B12 #12	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 6 @ 1' (H211186-06)

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	05/10/2021	ND	2.07	104	2.00	1.52		
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192		
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17		
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780		
Total BTEX	<0.300	0.300	05/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	384	16.0	05/11/2021	ND	432	108	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	05/10/2021	ND	207	103	200	0.414		
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	222	111	200	1.06		
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND						

Surrogate: 1-Chlorooctane 94.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.6 % 38.9-142

Cardinal Laboratories

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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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	LOCKHART B12	Sampling Condition:	Cool & Intact
Project Number:	LOCK HART B12 #12	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 7 @ 1' (H211186-07)

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	05/10/2021	ND	2.07	104	2.00	1.52	
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780	
Total BTEX	<0.300	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	400	16.0	05/11/2021	ND	432	108	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	05/10/2021	ND	207	103	200	0.414	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	222	111	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.7 % 38.9-142

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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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	LOCKHART B12	Sampling Condition:	Cool & Intact
Project Number:	LOCK HART B12 #12	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 1 BGS 0-1' (H211186-08)

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	05/10/2021	ND	2.07	104	2.00	1.52	
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780	
Total BTEX	<0.300	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	112	16.0	05/11/2021	ND	432	108	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	05/10/2021	ND	207	103	200	0.414	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	222	111	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.6 % 38.9-142

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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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	LOCKHART B12	Sampling Condition:	Cool & Intact
Project Number:	LOCK HART B12 #12	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 2 BGS 0-1' (H211186-09)

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	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	<0.050	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTEX	<0.300	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	112	16.0	05/11/2021	ND	432	108	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	05/10/2021	ND	207	103	200	0.414	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	222	111	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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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:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	LOCKHART B12	Sampling Condition:	Cool & Intact
Project Number:	LOCK HART B12 #12	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 3 BGS 0-1' (H211186-10)

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	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	<0.050	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTEX	<0.300	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	05/11/2021	ND	432	108	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	05/10/2021	ND	207	103	200	0.414	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	222	111	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 93.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

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, Lab Director/Quality Manager



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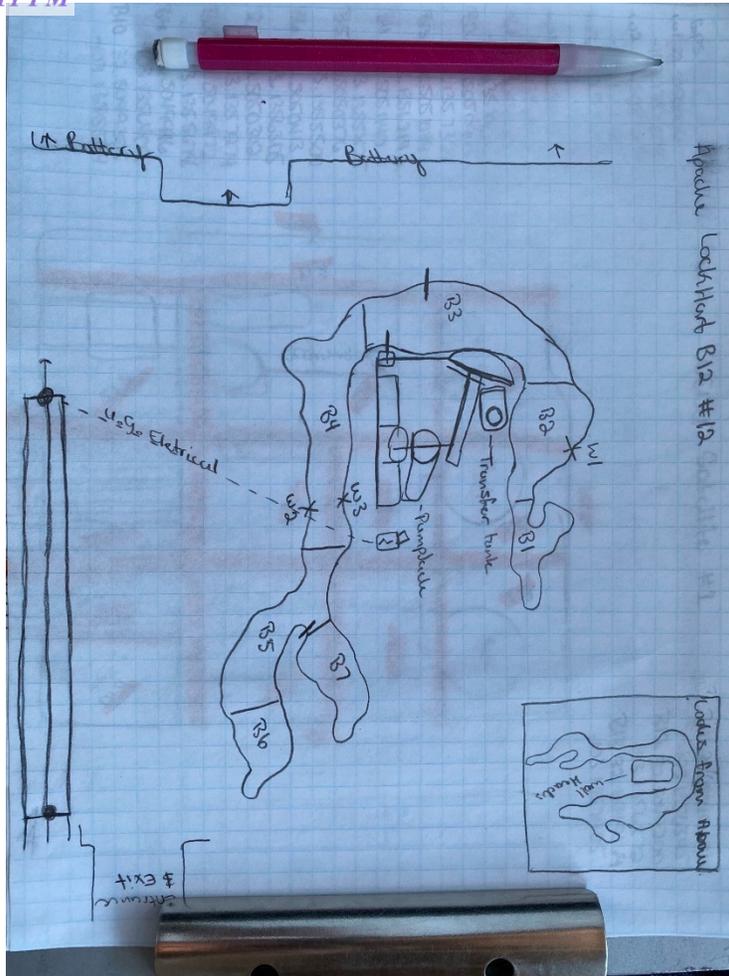
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Agrium</u> Project Manager: <u>Juff Brown</u> Address: _____ City: <u>Hobbs</u> State: <u>NM</u> zip: <u>88240</u> Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: _____ Project Location: <u>Lockhart Bldg # 19</u> Sampler Name: <u>Jack Susser Jr.</u> FOR LAB USE ONLY		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
BILL TO		ANALYSIS REQUEST	
Lab I.D. <u>H211184</u>	Sample I.D.	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: _____	PRESERV. ACID/BASE: ICE/COOL OTHER: _____
(G)RAB OR (C)OMP # CONTAINERS DATE TIME		SAMPLING DATE TIME	
1 B1 @ 11 2 B2 @ 11 3 B3 @ 11 4 B4 @ 11 5 B5 @ 11 6 B6 @ 11 7 B7 @ 11 8 W1 P550-11 9 W2 P550-11 10 W3 P550-11		1 1 1 1 1 1 1 1 1 1 5/7 9:48 5/7 9:50 5/7 9:54 5/7 9:56 5/7 9:58 5/7 10:00 5/7 10:19 5/7 10:20 5/7 10:24	
Relinquished By: <u>[Signature]</u> Date: <u>5/7/21</u> Time: <u>15:35</u>		Received By: <u>[Signature]</u> Date: _____ Time: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C <u>4.3</u> Corrected Temp. °C _____		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: (Initials) <u>[Signature]</u> Turnaround Time: _____ Standard <input checked="" type="checkbox"/> <u>Rush</u> Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C _____	
REMARKS: _____ Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____			

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







#12

Apache Lockhart B12 #12 May 5, 2021

w1 @ 11:31:30.1	C-3	.18	2.66 = 478 ✓
w2 @ 11:31:30.1	C-3	.20	2.66 = 531 ~
w3 @ 11:21:30.3	C-3	.19	2.70 = 512 ~
w4 @ 11:11:30.1	C-3	.25	2.71 = 677 X

Apache Lockhart B12 #12 May 6, 2021

w4			
B1 @ 11:01:30.0	32.4994870	.19	2.72 = 516 ✓
B1 @ 11:11:30.0	32.4995871	.20	-103.1101693
B2 @ 11:31:30.2	32.4996338	.23	2.70 = 531 ✓
B3 @ 11:11:30.0	32.4995749	.11	-103.1103164
B4 @ 11:31:30.1	32.4994244	.19	2.70 = 296 ✓
B5 @ 11:01:30.3	32.4993742	.20	-103.1102833
B6 @ 11:01:30.1	32.4994050	.24	2.66 = 505 ✓
B7 @ 11:01:30.0		.17	-103.1103164
			2.73 = 654 ✓
			-103.1102674
			2.72 = 360 ✓

Apache Lockhart B12 #12 May 7, 2021

w1 @ 11:11:30.3	32.4994791	.14	2.72 = 380 ✓
w2		.13	-103.1103202
w3	32.4994932	.17	2.65 = 344 ✓
w4		.17	-103.1102947
			2.72 = 462 ✓

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 33246

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 33246
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	8/17/2021