

INFORMATION ONLY



Lockhard B-28 6

1RP-1356 and 1RP-1373

Site Closure Report

Release Date: 7/17/2004 and 11/30/2006



April 20, 2017

Tomáš 'Doc' Oberding, PhD

Hydrologist, Adv-District 1

Oil Conservation Division, EMNRD

1625 North French Drive

Hobbs, NM 88240

RE: Site Closure Report

ConocoPhillips Lockhart B-28 6 (1RP-1356 and 1373)

UL/A sec. 28 T21S R36E

API No. 30-025-054814

Tomas,

ConocoPhillips is requesting closure of 1RP-1356 and 1RP-1373. As per our last discussion, this site meets the expectations in terms of contaminate levels in the horizontal and vertical extent. Along with this, ConocoPhillips will continue to take additional steps to prevent future leaks from this line. With all this be taken into consideration, we humbly request closure and thank you for your assistance in this matter.

Sincerely,

A handwritten signature in black ink that reads "Wendy Acosta Quintero". The signature is written in a cursive, flowing style.

Wendy S. Acosta Quintero

Environmental Coordinator

ConocoPhillips Lower 48 – MCBU

3300 North A Street, Building 3-278, Midland, Texas 79705

T: 432.688.9162 | M: 432.234.8050 | Wendy.AcostaQuintero@cop.com

Attachments:

Appendix A – Initial C-141

Figure 1 – Location of Samples Collected

Appendix B – Laboratory Analysis

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	ConocoPhillips	Contact	John Abney
Address	1410 N. West County Rd. Hobbs NM. 88240	Telephone No.	(505)391-3128
Facility Name	Lockhart B - 28 Well #6	Facility Type	Oil Well

Surface Owner	BLM	Mineral Owner	BLM	Lease No.	NM-90162
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LOCATION OF RELEASE 30025048140000

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	28	21S	36E	1650	South	1650	East	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE


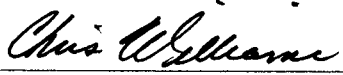
Type of Release	Oil and Produced water	Volume of Release	22 bbls	Volume Recovered	15 bbls
Source of Release	Flowline	Date and Hour of Occurrence	7/17/04	Date and Hour of Discovery	7/17/04 8a
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	NA		
By Whom?	NA	Date and Hour	NA		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	NA		

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
Flowline ruptured due to extremely low night time temperatures.

Describe Area Affected and Cleanup Action Taken.*
Area affected was 30' X 72' of well pad and 100' X 12' area of pasture land. A vacuum truck was called to pickup the free liquids. We recovered 2 bbl of oil and 13 bbls of water. A backhoe was used to back drag the well pad and spread sand over the contaminated area of pasture due to cattle in the area. The site will be delineated to determine the necessary remediation action.

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.

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: John Abney		Approved by District Supervisor: 	
Title: SHEAR Specialist	Approval Date: 5/21/07	Expiration Date: 6/21/07	
E-mail Address: John.H.Abney@conocophillips.com	Conditions of Approval: <i>Need final report.</i>	Attached <input type="checkbox"/>	
Date: 01/31/2005	Phone: (505)391-3128		

* Attach Additional Sheets If Necessary

PAC 07/1350229

RP# 1356

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
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1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company ConocoPhillips Company	Contact Jesse A. Sosa
Address 3300 North A St., Bldg. 6, Midland, TX 79705-5406	Telephone No. 505.391.3126
Facility Name Lockhart B28 # 6	Facility Type Oil and Gas

Surface Owner BLM	Mineral Owner BLM	Lease No NM90162
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LOCATION OF RELEASE

API# 30025 04814 0000

Unit Letter A	Section 28	Township 21S	Range 36E	Feet from the 660	North/South Line North	Feet from the 660	East/West Line East	County Lea
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Latitude

Longitude

NATURE OF RELEASE

Type of Release Oil And Produced Water	Volume of Release 18bbl (1oil, 17water)	Volume Recovered (0oil, 10water)
Source of Release 3" Poly flowline	Date and Hour of Occurrence 11/30/2006 7:00 am	Date and Hour of Discovery 11/30/2006 9:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD-Pat Caperton (voicemail) BLM-Trisha Bad Bear (voicemail)	
By Whom? Jesse Sosa	Date and Hour 12/08/2006 3:00 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

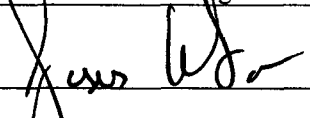
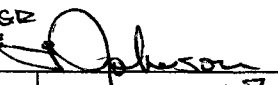
Describe Cause of Problem and Remedial Action Taken.*

There was an accidental discharge of 1 BO and 17 BPW from a 3" poly flowline due to freezing temperatures during normal operations. The fluid was not contained. There was 10 BPW recovered.

Describe Area Affected and Cleanup Action Taken.*

Affected area of 39' X 69' was on pasture and area of 78' X 39' was on caliche pad. There was no livestock present. Area will be remediated in accordance with NMOCD guidelines.

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.

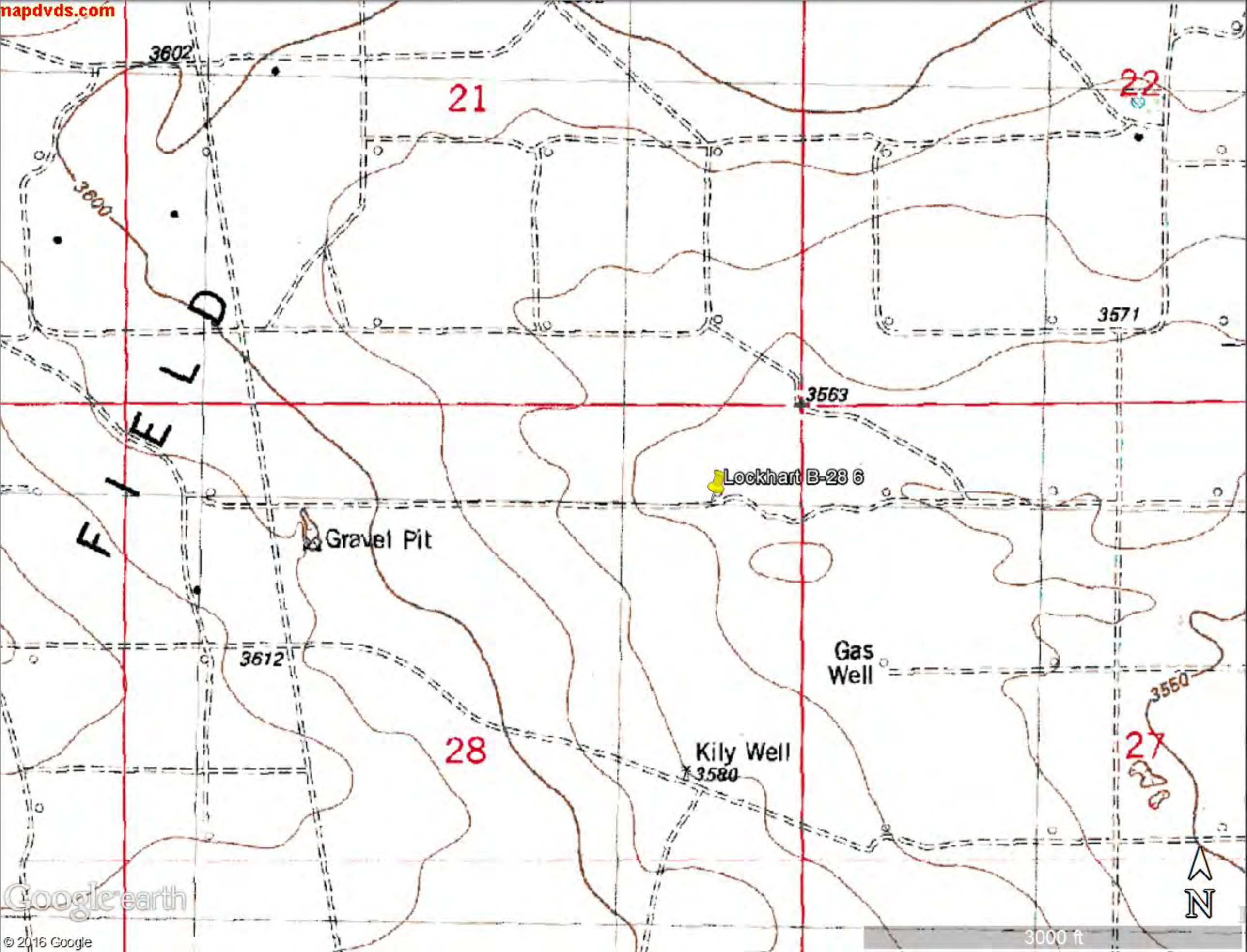
Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Jesse A. Sosa		Approved by District Supervisor 	
Title: HSER Lead		Approval Date: 5.25.07	Expiration Date: 8.25.07
E-mail Address: Jesse.A.Sosa@conocophillips.com		Conditions of Approval: <input checked="" type="checkbox"/> Attached <input type="checkbox"/>	
Date: 12/08/2006 Phone: 505.391.3126		SUBMIT FINAL C. 141 34	

- Attach Additional Sheets If Necessary

incident - n PAC0714546403
application - p PAC071456542

W/ Documentation

RP# 1373



3602

21

22

3600

3571

3563

FIELD

Lockhart B-23 6

Gravel Pit

3612

Gas Well

28

Kily Well
3580

3550

27







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

April 06, 2017

JUSTIN WRIGHT

Conoco Phillips - Hobbs

P. O. BOX 325

Hobbs, NM 88240

RE: LOCKHART B28 #6

Enclosed are the results of analyses for samples received by the laboratory on 03/31/17 9:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received: 03/31/2017
Reported: 04/06/2017
Project Name: LOCKHART B28 #6
Project Number: LOCKHART B28 #6
Project Location: NONE GIVEN

Sampling Date: 03/30/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: #1 SURFACE (H700853-01)

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	04/04/2017	ND	1.94	97.1	2.00	1.79	
Toluene*	<0.050	0.050	04/04/2017	ND	1.88	93.9	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/04/2017	ND	1.91	95.3	2.00	1.34	
Total Xylenes*	<0.150	0.150	04/04/2017	ND	5.42	90.3	6.00	1.53	
Total BTEX	<0.300	0.300	04/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/03/2017	ND	416	104	400	3.77		

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	03/31/2017	ND	219	109	200	3.41	
DRO >C10-C28	<10.0	10.0	03/31/2017	ND	215	108	200	4.08	

Surrogate: 1-Chlorooctane 96.5 % 25.1-158

Surrogate: 1-Chlorooctadecane 106 % 26.8-170

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received: 03/31/2017
Reported: 04/06/2017
Project Name: LOCKHART B28 #6
Project Number: LOCKHART B28 #6
Project Location: NONE GIVEN

Sampling Date: 03/30/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: #1 1' (H700853-02)

BTX 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	04/04/2017	ND	1.94	97.1	2.00	1.79	
Toluene*	<0.050	0.050	04/04/2017	ND	1.88	93.9	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/04/2017	ND	1.91	95.3	2.00	1.34	
Total Xylenes*	<0.150	0.150	04/04/2017	ND	5.42	90.3	6.00	1.53	
Total BTX	<0.300	0.300	04/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/03/2017	ND	416	104	400	3.77	

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	03/31/2017	ND	219	109	200	3.41	
DRO >C10-C28	<10.0	10.0	03/31/2017	ND	215	108	200	4.08	

Surrogate: 1-Chlorooctane 114 % 25.1-158

Surrogate: 1-Chlorooctadecane 123 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received: 03/31/2017
Reported: 04/06/2017
Project Name: LOCKHART B28 #6
Project Number: LOCKHART B28 #6
Project Location: NONE GIVEN

Sampling Date: 03/30/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: #2 SURFACE (H700853-03)

BTX 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	04/04/2017	ND	1.94	97.1	2.00	1.79		
Toluene*	<0.050	0.050	04/04/2017	ND	1.88	93.9	2.00	1.30		
Ethylbenzene*	<0.050	0.050	04/04/2017	ND	1.91	95.3	2.00	1.34		
Total Xylenes*	<0.150	0.150	04/04/2017	ND	5.42	90.3	6.00	1.53		
Total BTX	<0.300	0.300	04/04/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 72-148

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	04/03/2017	ND	416	104	400	3.77	

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	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	<10.0	10.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 87.1 % 25.1-158

Surrogate: 1-Chlorooctadecane 107 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	03/31/2017	Sampling Date:	03/30/2017
Reported:	04/06/2017	Sampling Type:	Soil
Project Name:	LOCKHART B28 #6	Sampling Condition:	Cool & Intact
Project Number:	LOCKHART B28 #6	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: #2 1' (H700853-04)

BTX 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	04/04/2017	ND	1.94	97.1	2.00	1.79	
Toluene*	<0.050	0.050	04/04/2017	ND	1.88	93.9	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/04/2017	ND	1.91	95.3	2.00	1.34	
Total Xylenes*	<0.150	0.150	04/04/2017	ND	5.42	90.3	6.00	1.53	
Total BTX	<0.300	0.300	04/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/03/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	582	50.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 69.3 % 25.1-158

Surrogate: 1-Chlorooctadecane 169 % 26.8-170

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received: 03/31/2017
Reported: 04/06/2017
Project Name: LOCKHART B28 #6
Project Number: LOCKHART B28 #6
Project Location: NONE GIVEN

Sampling Date: 03/30/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: #3 SURFACE (H700853-05)

BTX 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	04/04/2017	ND	1.94	97.1	2.00	1.79		
Toluene*	<0.050	0.050	04/04/2017	ND	1.88	93.9	2.00	1.30		
Ethylbenzene*	<0.050	0.050	04/04/2017	ND	1.91	95.3	2.00	1.34		
Total Xylenes*	<0.150	0.150	04/04/2017	ND	5.42	90.3	6.00	1.53		
Total BTX	<0.300	0.300	04/04/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/03/2017	ND	416	104	400	3.77	

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	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	<10.0	10.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 88.8 % 25.1-158

Surrogate: 1-Chlorooctadecane 93.5 % 26.8-170

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received: 03/31/2017
Reported: 04/06/2017
Project Name: LOCKHART B28 #6
Project Number: LOCKHART B28 #6
Project Location: NONE GIVEN

Sampling Date: 03/30/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: #3 1' (H700853-06)

BTX 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	04/04/2017	ND	1.94	97.1	2.00	1.79	
Toluene*	<0.050	0.050	04/04/2017	ND	1.88	93.9	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/04/2017	ND	1.91	95.3	2.00	1.34	
Total Xylenes*	<0.150	0.150	04/04/2017	ND	5.42	90.3	6.00	1.53	
Total BTX	<0.300	0.300	04/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/03/2017	ND	416	104	400	3.77	

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	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	<10.0	10.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 89.7 % 25.1-158

Surrogate: 1-Chlorooctadecane 94.0 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	03/31/2017	Sampling Date:	03/30/2017
Reported:	04/06/2017	Sampling Type:	Soil
Project Name:	LOCKHART B28 #6	Sampling Condition:	Cool & Intact
Project Number:	LOCKHART B28 #6	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: #4 SURFACE (H700853-07)

BTX 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	04/04/2017	ND	1.94	97.1	2.00	1.79		
Toluene*	<0.050	0.050	04/04/2017	ND	1.88	93.9	2.00	1.30		
Ethylbenzene*	<0.050	0.050	04/04/2017	ND	1.91	95.3	2.00	1.34		
Total Xylenes*	<0.150	0.150	04/04/2017	ND	5.42	90.3	6.00	1.53		
Total BTX	<0.300	0.300	04/04/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 72-148

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	04/03/2017	ND	416	104	400	3.77	

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	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	<10.0	10.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 84.6 % 25.1-158

Surrogate: 1-Chlorooctadecane 89.2 % 26.8-170

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Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received: 03/31/2017
Reported: 04/06/2017
Project Name: LOCKHART B28 #6
Project Number: LOCKHART B28 #6
Project Location: NONE GIVEN

Sampling Date: 03/30/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: #4 1' (H700853-08)

BTX 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	04/04/2017	ND	1.94	97.1	2.00	1.79	
Toluene*	<0.050	0.050	04/04/2017	ND	1.88	93.9	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/04/2017	ND	1.91	95.3	2.00	1.34	
Total Xylenes*	<0.150	0.150	04/04/2017	ND	5.42	90.3	6.00	1.53	
Total BTX	<0.300	0.300	04/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/03/2017	ND	416	104	400	3.77	

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	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	<10.0	10.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 91.9 % 25.1-158

Surrogate: 1-Chlorooctadecane 95.5 % 26.8-170

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Analytical Results For:

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JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	03/31/2017	Sampling Date:	03/30/2017
Reported:	04/06/2017	Sampling Type:	Soil
Project Name:	LOCKHART B28 #6	Sampling Condition:	Cool & Intact
Project Number:	LOCKHART B28 #6	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: #5 SURFACE (H700853-09)

BTX 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	04/04/2017	ND	1.94	97.1	2.00	1.79	
Toluene*	<0.050	0.050	04/04/2017	ND	1.88	93.9	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/04/2017	ND	1.91	95.3	2.00	1.34	
Total Xylenes*	<0.150	0.150	04/04/2017	ND	5.42	90.3	6.00	1.53	
Total BTX	<0.300	0.300	04/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/03/2017	ND	416	104	400	3.77	

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	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	<10.0	10.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 83.4 % 25.1-158

Surrogate: 1-Chlorooctadecane 86.5 % 26.8-170

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Analytical Results For:

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JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received: 03/31/2017
Reported: 04/06/2017
Project Name: LOCKHART B28 #6
Project Number: LOCKHART B28 #6
Project Location: NONE GIVEN

Sampling Date: 03/30/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: #5 1' (H700853-10)

BTX 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	04/04/2017	ND	2.19	110	2.00	0.503	
Toluene*	<0.050	0.050	04/04/2017	ND	2.13	107	2.00	0.718	
Ethylbenzene*	<0.050	0.050	04/04/2017	ND	2.18	109	2.00	0.693	
Total Xylenes*	<0.150	0.150	04/04/2017	ND	6.19	103	6.00	0.676	
Total BTX	<0.300	0.300	04/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 72-148

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	04/03/2017	ND	416	104	400	3.77	

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	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	<10.0	10.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 89.3 % 25.1-158

Surrogate: 1-Chlorooctadecane 90.1 % 26.8-170

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Analytical Results For:

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JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	03/31/2017	Sampling Date:	03/30/2017
Reported:	04/06/2017	Sampling Type:	Soil
Project Name:	LOCKHART B28 #6	Sampling Condition:	Cool & Intact
Project Number:	LOCKHART B28 #6	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: #6 SURFACE (H700853-11)

BTX 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	04/05/2017	ND	2.19	110	2.00	0.503	
Toluene*	<0.050	0.050	04/05/2017	ND	2.13	107	2.00	0.718	
Ethylbenzene*	<0.050	0.050	04/05/2017	ND	2.18	109	2.00	0.693	
Total Xylenes*	<0.150	0.150	04/05/2017	ND	6.19	103	6.00	0.676	
Total BTX	<0.300	0.300	04/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 72-148

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	04/03/2017	ND	416	104	400	3.77	

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	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	<10.0	10.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 87.6 % 25.1-158

Surrogate: 1-Chlorooctadecane 88.4 % 26.8-170

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Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	03/31/2017	Sampling Date:	03/30/2017
Reported:	04/06/2017	Sampling Type:	Soil
Project Name:	LOCKHART B28 #6	Sampling Condition:	Cool & Intact
Project Number:	LOCKHART B28 #6	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: #6 1' (H700853-12)

BTX 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	04/05/2017	ND	2.19	110	2.00	0.503	
Toluene*	<0.050	0.050	04/05/2017	ND	2.13	107	2.00	0.718	
Ethylbenzene*	<0.050	0.050	04/05/2017	ND	2.18	109	2.00	0.693	
Total Xylenes*	<0.150	0.150	04/05/2017	ND	6.19	103	6.00	0.676	
Total BTX	<0.300	0.300	04/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/05/2017	ND	432	108	400	3.64	

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	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	<10.0	10.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 92.3 % 25.1-158

Surrogate: 1-Chlorooctadecane 92.2 % 26.8-170

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Analytical Results For:

 Conoco Phillips - Hobbs
 JUSTIN WRIGHT
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

Received:	03/31/2017	Sampling Date:	03/30/2017
Reported:	04/06/2017	Sampling Type:	Soil
Project Name:	LOCKHART B28 #6	Sampling Condition:	Cool & Intact
Project Number:	LOCKHART B28 #6	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: #7 SURFACE (H700853-13)

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	04/05/2017	ND	2.19	110	2.00	0.503		
Toluene*	<0.050	0.050	04/05/2017	ND	2.13	107	2.00	0.718		
Ethylbenzene*	<0.050	0.050	04/05/2017	ND	2.18	109	2.00	0.693		
Total Xylenes*	<0.150	0.150	04/05/2017	ND	6.19	103	6.00	0.676		
Total BTEx	<0.300	0.300	04/05/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/05/2017	ND	432	108	400	3.64		

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	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	<10.0	10.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 79.4 % 25.1-158

Surrogate: 1-Chlorooctadecane 82.1 % 26.8-170

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Analytical Results For:

 Conoco Phillips - Hobbs
 JUSTIN WRIGHT
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

Received:	03/31/2017	Sampling Date:	03/30/2017
Reported:	04/06/2017	Sampling Type:	Soil
Project Name:	LOCKHART B28 #6	Sampling Condition:	Cool & Intact
Project Number:	LOCKHART B28 #6	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: #7 1' (H700853-14)

BTX 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	04/05/2017	ND	2.19	110	2.00	0.503	
Toluene*	<0.050	0.050	04/05/2017	ND	2.13	107	2.00	0.718	
Ethylbenzene*	<0.050	0.050	04/05/2017	ND	2.18	109	2.00	0.693	
Total Xylenes*	<0.150	0.150	04/05/2017	ND	6.19	103	6.00	0.676	
Total BTX	<0.300	0.300	04/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 72-148

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	04/05/2017	ND	432	108	400	3.64	

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	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	<10.0	10.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 86.5 % 25.1-158

Surrogate: 1-Chlorooctadecane 86.8 % 26.8-170

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JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	03/31/2017	Sampling Date:	03/30/2017
Reported:	04/06/2017	Sampling Type:	Soil
Project Name:	LOCKHART B28 #6	Sampling Condition:	Cool & Intact
Project Number:	LOCKHART B28 #6	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: #8 SURFACE (H700853-15)

BTX 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	04/05/2017	ND	2.19	110	2.00	0.503	
Toluene*	<0.050	0.050	04/05/2017	ND	2.13	107	2.00	0.718	
Ethylbenzene*	<0.050	0.050	04/05/2017	ND	2.18	109	2.00	0.693	
Total Xylenes*	<0.150	0.150	04/05/2017	ND	6.19	103	6.00	0.676	
Total BTX	<0.300	0.300	04/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/05/2017	ND	432	108	400	3.64	

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	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	<10.0	10.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 78.1 % 25.1-158

Surrogate: 1-Chlorooctadecane 78.8 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	03/31/2017	Sampling Date:	03/30/2017
Reported:	04/06/2017	Sampling Type:	Soil
Project Name:	LOCKHART B28 #6	Sampling Condition:	Cool & Intact
Project Number:	LOCKHART B28 #6	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: #8 1' (H700853-16)

BTX 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	04/05/2017	ND	2.19	110	2.00	0.503	
Toluene*	<0.050	0.050	04/05/2017	ND	2.13	107	2.00	0.718	
Ethylbenzene*	<0.050	0.050	04/05/2017	ND	2.18	109	2.00	0.693	
Total Xylenes*	<0.150	0.150	04/05/2017	ND	6.19	103	6.00	0.676	
Total BTX	<0.300	0.300	04/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/05/2017	ND	432	108	400	3.64	

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	04/03/2017	ND	201	101	200	4.93	
DRO >C10-C28	<10.0	10.0	04/03/2017	ND	210	105	200	5.16	

Surrogate: 1-Chlorooctane 77.6 % 25.1-158

Surrogate: 1-Chlorooctadecane 79.1 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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



ARDINAL LABORATORIES

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

Page ____ of ____

Company Name: Conoco/Phillips		BILL TO		ANALYSIS REQUEST	
Project Manager: Justin Wright		P.O. #:			
Address: Justin Wright (ConocoPhillips.com)		Company:			
City: Hobbs		Attn:			
Phone #: 575-631-9093		Address:			
Fax #:		City:			
Project #: Lockhart B28#6		State:			
Project Owner:		Zip:			
Project Name: Lockhart B28#6		Phone #:			
Project Location:		Fax #:			
Sampler Name: Justin Wright		PRESERV.			
FOR LAB USE ONLY		SAMPLING			
Lab I.D.		(G)RAB OR (C)OMP.			
Sample I.D.		# CONTAINERS			
		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL			
		OTHER :			
		DATE			
		TIME			
1# Surface		3/30 1:30 pm		Chloride	
2# 1'		3/30 1:35 pm		TPH	
3# 12 Surface		3/30 1:45 pm		B-Tex	
4# 1'		3/30 1:50 pm		Benzene	
5# 3 Surface		3/30 1:55 pm			
6# 3'		3/30 1:40 pm			
7# 12 Surface		3/30 1:45 pm			
8# 1'		3/30 1:47 pm			
9# 12 Surface		3/30 1:57 pm			
10# 1'		3/30 1:58			
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Sampler Relinquished:		Date: 3-31		Phone Result: <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: 8:41		Fax Result: <input type="checkbox"/> No Add'l Fax #:	
Date: 3-31-17		Received By:		REMARKS:	
Time: 9:40		Temp. 19.0			
Delivered By: (Circle One)		Sample Condition			
Sampler - UPS - Bus - Other:		Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>			
		CHECKED BY: (Initials)			

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



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(575) 393-2326 Fax (575) 393-2476

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BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

Company Name: Conoco Phillips

Project Manager: Just Wright

Address: Just Wright & Conoco Phillips Co.

City: Mobbs State: NM Zip: 88240

Phone #: 575-631-9093 Fax #:

Project #: Leakout BT846 Project Owner:

Project Name: Leakout BT846

Project Location:

Sampler Name: Just Wright

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H100853

11 #6 Surface
12 #6 Surface
13 #7 Surface
14 #7 Surface
15 #8 Surface
16 #8 Surface

(G)RAB OR (C)OMP.
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER:
ACID/BASE:
ICE / COOL
OTHER:

MATRIX

PRESERV

SAMPLING

DATE TIME

3-30 2:00 pm
3-30 2:02 pm
3-30 2:04 pm
3-30 2:06 pm
3-30 2:08 pm
3-30 2:10 pm

Chloride
TPH
B-Tex
Benzene

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Reiminished:

Date: 3-31 Received By:

Time: 0941

Reiminished By:

Date: 3-31-17 Received By:

Time: 2:40

Delivered By: (Circle One)

Temp: 1.92

Sample Condition
Cool ☒ Intact ☒
Yes ☒ No ☐

CHECKED BY: Just Wright

Sampler - UPS - Bus - Other:

Phone Result: ☐ No ☐ Add'l Phone #:
Fax Result: ☐ No ☐ Add'l Fax #:

REMARKS:

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