

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 Q." 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 *30025 04814 0000*

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 tempratures.

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 snad 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: <i>John Abney</i>		OIL CONSERVATION DIVISION	
Printed Name: John Abney		Approved by District Supervisor: <i>Chris Williams</i>	
Title: SHEAR Specialist	Approval Date: <i>5/21/07</i>	Expiration Date: <i>6/21/07</i>	
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

PPAC 07/14/350229

RP# 1356

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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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 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

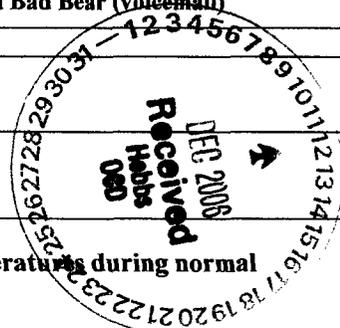
API# 30025 04814 0000

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

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.

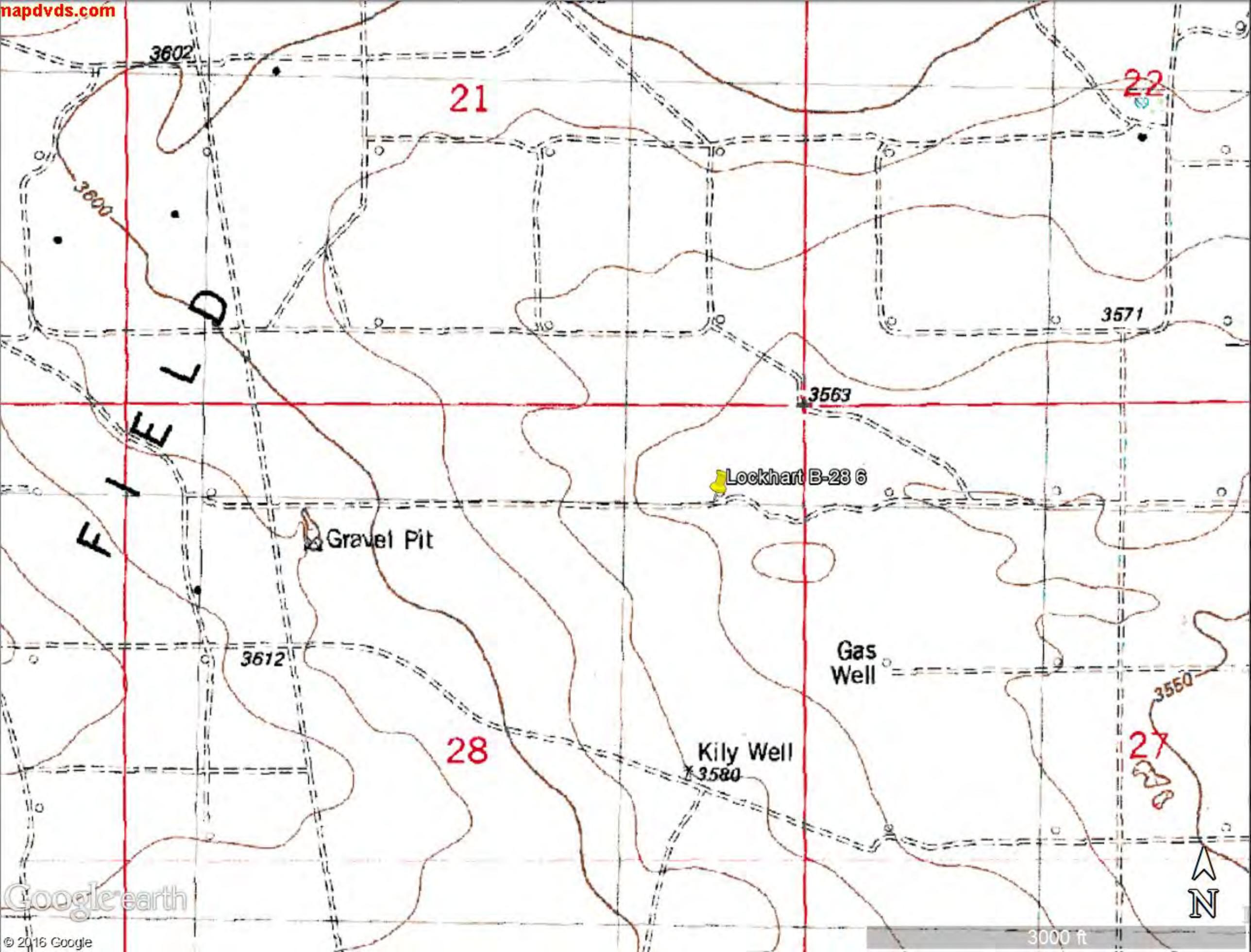
Signature: <i>Jesse A. Sosa</i>	OIL CONSERVATION DIVISION	
Printed Name: Jesse A. Sosa	Approved by District Supervisor: <i>J. Johnson</i>	
Title: HSER Lead	Approval Date: 5.25.07	Expiration Date: 8.25.07
E-mail Address: Jesse.A.Sosa@conocophillips.com	Conditions of Approval: Attached <input type="checkbox"/>	
Date: 12/08/2006	Phone: 505.391.3126	SUBMIT FINAL C. 141 24

- Attach Additional Sheets If Necessary

incident - n PAC 0714546403
application - p PAC 071456542

n/ DOCUMENTATION

RPT# 1373



FIELD

21

22

3571

3563

Lockhart B-23 6

Gravel Pit

3612

Gas Well

28

Kily Well
3580

27

3550





#3

#4

#5

#2

#7

#6

#8

#1

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,



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

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	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) 97.9 % 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	04/03/2017	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	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 SURFACE (H700853-03)

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	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) 98.0 % 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	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)

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) 97.3 % 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	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

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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: #3 SURFACE (H700853-05)

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	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) 97.1 % 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	04/03/2017	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

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*=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	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: #3 1' (H700853-06)

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	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) 98.2 % 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	04/03/2017	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

Cardinal Laboratories

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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)

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) 96.8 % 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	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	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 1' (H700853-08)

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	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) 98.3 % 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	04/03/2017	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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 JUSTIN WRIGHT
 P. O. BOX 325
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 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)

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, 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
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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 1' (H700853-10)

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	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 BTEX	<0.300	0.300	04/04/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	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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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)

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) 98.6 % 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	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:

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 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)

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) 97.8 % 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 92.3 % 25.1-158

Surrogate: 1-Chlorooctadecane 92.2 % 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: #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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 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)

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) 96.9 % 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	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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 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)

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) 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)

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) 98.6 % 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	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



CARDINAL LABORATORIES

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

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BILL TO

ANALYSIS REQUEST

Company Name: Conoco/Phillips
Project Manager: Justin Wright

Address: Just-Wright/ConocoPhillips.com
City: Hobbs State: NM Zip: 88240

Phone #: 575-631-9093 Fax #: _____
Project #: Lockhart B28#6 Project Owner: _____

Project Name: Lockhart B28#6
Project Location: _____

Sampler Name: Justin Wright
FOR LAB USE ONLY

Lab I.D. _____
Sample I.D. _____

#	Surface	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
1	#1 Surface	/	/	/	/	/	/	/	3/30	1:30 pm	Chloride	
2	#1 Surface	/	/	/	/	/	/	/	3/30	1:35 pm	TPH	
3	#2 Surface	/	/	/	/	/	/	/	3/30	1:15 pm	B-Tex	
4	#1 Surface	/	/	/	/	/	/	/	3/30	1:00 pm	Benzine	
5	#3 Surface	/	/	/	/	/	/	/	3/30	1:25 pm		
6	#3 Surface	/	/	/	/	/	/	/	3/30	1:40 pm		
7	#4 Surface	/	/	/	/	/	/	/	3/30	1:45 pm		
8	#4 Surface	/	/	/	/	/	/	/	3/30	1:47 pm		
9	#5 Surface	/	/	/	/	/	/	/	3/30	1:57 pm		
10	#5 Surface	/	/	/	/	/	/	/	3/30	1:58		

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Sampler Relinquished: _____ Date: 3-31 Received By: _____
Time: 0941

Relinquished By: _____ Date: 3-31-17 Received By: _____
Time: 09:40

Delivered By: (Circle One) _____ Temp. 19°
Cool Intact
Sample Condition Yes No

Sampler - UPS - Bus - Other: _____
CHECKED BY: _____ (Initials) D. #75
t Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

