

# **CONOCOPHILLIPS**

P.O. Box 2197 Houston, TX 77252-2197 Phone 281.293.1000

# Lockhart A-35 Battery (1RP-4077)

# Corrective Action Plan

Release Date: January 5<sup>th</sup>, 2016

Unit Letter B, Section 35, Township 21S, Range 37E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

May 6<sup>th</sup>, 2016

Jamie Keyes Environmental Specialist – New Mexico Oil Conservation Division Energy, Minerals and Natural Resources Department 1625 N. French Dr. Hobbs, NM 88240

# RE: Corrective Action Plan ConocoPhillips Lockhart A-35 Battery (1RP-4077) UL/B sec. 35 T21S R37E

Mr. Keyes:

ConocoPhillips (CoP) has retained Basin Environmental Service Technologies to address potential environmental concerns at the above-referenced site.

# **Background and Previous Work**

The site is located approximately 1.5 miles east of Eunice, New Mexico at UL/B sec. 35 T21S R37E. NM OSE and Basin installed monitor well records indicate that groundwater will likely be encountered at a depth of approximately 44 +/- feet.

On January 5<sup>th</sup>, 2016, CoP discovered a release from an out of service vessel had leaked due to the circulating pump being left in service. A total of 9 barrels of oil was released over 10,686 sq ft of caliche pad and lease road. 9 barrels of fluid was recovered. CoP scraped the road six inches and exported soil to an approved NMOCD facility and imported caliche to backfill road. NMOCD was notified of the release on January 6<sup>th</sup>, 2016, and an initial C-141 was submitted the same day. NMOCD approved the initial C-141 on January 6<sup>th</sup>, 2016 (Appendix A).

Basin personnel were on site to assess the release January 6<sup>th</sup>, 2016. The release was mapped and photographed (Figure 1). On April 28<sup>th</sup>, 2016, 1 sample was collected in the road scrape and sent to a commercial laboratory for analysis (Appendix B). Laboratory analysis of Point 1 at 6" (six inches) returned a chloride value, Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and BTEX values of non-detect.

Photo Documentation of these activities may be found in Appendix C.

# **Corrective Action Plan**

Based on the assessment, the release around point 3 will be excavated down to 1 ft bgs and the area around point 4 will be excavated down to 2 ft bgs. Representative wall samples will be taken to a commercial laboratory to confirm that all constituents are below regulatory standards. There are buried and surface lines and heater treater and separator running throughout the release. To provide for the safety of people and equipment at the site, the excavation will remain a safe distance away from the buried and surface lines.

All excavated soil will be taken to a NMOCD approved facility for disposal. Clean soil will be imported to the site to serve as backfill. A sample of the backfill soil will be taken to a commercial laboratory to confirm that the chloride reading is below regulatory standards. The lease pad will be backfilled with clean, imported caliche. The site will be contoured to the surrounding location.

Once these activities have been completed, a report will be sent to NMOCD and BLM requesting 'remediation termination' and site closure.

Basin appreciates the opportunity to work with you on this project. Please contact me if you have any questions or wish to discuss the site.

Sincerely,

Kyle Norma\_\_\_\_

Kyle Norman Project Lead Basin Environmental Service Technologies (575) 942-8542

Attachments: Figure 1 – Proposed Scrape Appendix A – Initial C-141 Appendix B – Laboratory Analysis Appendix C – Photo Documentation

# Figures

Basin Environmental Service Technologies, LLC P.O. Box 2948, Hobbs, NM 88241 Phone 575.393.2967

# Initial Sampling



# Appendix A Intial C-141

Basin Environmental Service Technologies, LLC P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967 District 1 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr. Santa Fe. NM 87505

RECEIVED State of New Mexico Energy Minerals and Natural R By JKeyes at 3:32 pm, Jan 06, 2016

**Oil Conservation Division** 1220 South St. Francis Dr. Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

220 S. St. Francis Dr., Santa PC, NW 87303	Santa F	e, NM 875	505		
Release No	tificatio			ction	
No. 60 DI 111		OPERA'		🛛 Initi	al Report 🔲 Final Repo
Name of Company: ConocoPhillips			se A Zepeda		
Address: 1410 N West County Road Facility Name: Lockhart A-35 Battery			No. 575-391-31	65	
		Facility Typ	e: Battery		
Surface Owner: Federal Lease 032096A Min	eral Owner:	N/A		API No	),
L	OCATIO	N OF RE	LEASE		
Unit Letter   Section   Township   Range   Feet from	the North	/South Line	Feet from the	East/West Line	County
B 35 21S 37E					Lea
La	titude	_Longitude	)		
	NATURE	OF REL	EASE		
Type of Release: Oil		the second se	Release: 9.0		Recovered: 9.0
Source of Release: Vessel			lour of Occurrent		Hour of Discovery
Was Immediate Notice Given?		01/05/201		SAME	
No Answer Ves No	Not Required				
By Whom? Jose A Zepeda		Date and H	lour: 01/06/16 15	00 Emailed	
Was a Watercourse Reached?			olume Impacting		
f a Watercourse was Impacted, Describe Fully.*		_			
Describe Cause of Problem and Remedial Action Taken.* Describe Area Affected and Cleanup Action Taken.* ENV – Agency Courtesy Call – MCBU – Permian – 9 MST at Lockhart A35 Battery, MSO discovered an our esulting in a release of 9 bbl. of oil with 9 bbl. being is mendiated in place according to NMOCD guidelines hereby certify that the information given above is true and egulations all operators are required to report and/or file ce- public health or the environment. The acceptance of a C-14	to f service recovered. I complete to r rtain release r 1 report by th	the best of my notifications a he NMOCD m	knowledge and u nd perform correct arked as "Final R	circulating pump t down the circula understand that pur- ctive actions for rel eport" does not rel	b being left in service, ation pump. Spill site will be suant to NMOCD rules and eases which may endanger ieve the operator of liability
hould their operations have failed to adequately investigate r the environment. In addition, NMOCD acceptance of a C ederal, state, or local laws and/or regulations.	and remedia	te contaminati	on that pose a thr e the operator of	eat to ground wate responsibility for c	r, surface water, human health ompliance with any other
			OIL CON	SERVATION	DIVISION
ignature: JOSE A 3EPEDA				0	but.
rinted Name: José A Zepeda		Approved by	Environmental S	pecialist: Jam	klyr
Title: LEAD HSE		Approval Da	te: 01/06/2016	Expiration	Date: 03/06/2016
E-mail Address: Jose. A. Zepeda@conocophillips		remediate per	f Approval: amples required. NMOCD guideli otos of remediation	nes.	Attached IRP 4077
Date: 01/06/16 Phone: 575-391-3			. Ensure BLM co		
Attach Additional Sheets If Necessary		approval.			Charles and an and a second

\* Attach Additional Sheets If Necessary

nJXK1600655552 pJXK1600655667

# Appendix B Laboratory Analysis

Basin Environmental Service Technologies, LLC P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967



May 04, 2016

KYLE NORMAN Basin Environmental Service P.O. Box 301 Lovington, NM 88260

**RE: LOCKHART A-35 BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 05/03/16 9:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/03/2016	Sampling Date:	04/28/2016
Reported:	05/04/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

# Sample ID: PT. 1 @ 6" (H600949-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2016	ND	1.86	93.1	2.00	0.855	
Toluene*	<0.050	0.050	05/03/2016	ND	1.81	90.4	2.00	0.203	
Ethylbenzene*	<0.050	0.050	05/03/2016	ND	1.65	82.6	2.00	0.769	
Total Xylenes*	<0.150	0.150	05/03/2016	ND	5.09	84.8	6.00	0.424	
Total BTEX	<0.300	0.300	05/03/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/03/2016	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/03/2016	ND	217	109	200	0.447	
DRO >C10-C28	<10.0	10.0	05/03/2016	ND	233	117	200	4.52	
Surrogate: 1-Chlorooctane	87.3 9	% 35-147							
Surrogate: 1-Chlorooctadecane	81.7 9	6 28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Project Manager: Kyle Norman	liips		BILL IO		1	1	1	ANAL	ANALYSIS		REQUEST
Address: 419 W Cain			Company: Basin					s			
City: Hobbs	State: NM	Zip: 88240	Attn:		_	_		on			
Phone #: 575-393-2967	Fax #: 575-393-0293	393-0293	Address: 419 W Cain			-		٩ni			_
Project #:	Project Owner:	er:	City: Hobbs		-		н	s/A			
Project Name:			State: NM Zip: 88240		-		P	on	;		_
Project Location: Lock Kar	art A-35	Barthy	2	oric	301	E)	s T	atic	DS		
Sampler Name: 5/	Skanplan		Fax #: 575-393-0293		-	-	a	Ca	Т		_
	1	MATRIX	DRESERV SAMDI		-	-	ex	) (		_	_
FOR LHOUSE UNLY	'	P. MATRIX	PRESERV. SAMPLING		-	-	Те	te			
Lab I.D. Sar	Sample I.D.	G)RAB OR (C)OMP. CONTAINERS ROUNDWATER VASTEWATER OIL UL	THER : CID/BASE: DE / COOL THER :				Т	Complete			
1 74 10	6	-	V 4.28-16	2:00 V	5	1			1	+	
Dama those dinal t	ges. Cardina's lability and client's exclusive remedy for any daim for regileros and any ofter cause whatsoever shall be deemed to is reducted or consequential damages, including without least the performance of services herewide by Cardinal, for related to the performance of services herewide by Cardinal,	any claim arising whether based in contract e deemed waived unless made in writing and ng without limitation, business interruptions, in Cardinal, regardless of whether such claim is	seed in contract or tort, shall be limited to the amount paid the in writing and received by Centinal within 30 days after is interruptions, loss of use, or loss of profits incurred by d her such claim is besed upon any of the above stand rea-	unt paid by the client for the ys after completion of the appli of by client, its subsidiaries ted reasons or otherwise.	cable	I	[		1	ł	
Relinquished By:	Date: 5.3-16 Time -02	Received By:		Phone Result: Fax Result: REMARKS:		les 🖸	No	Add'l P	Add'l Phone #: Add'l Fax #:		
Relinquished By:	Date: Time:	Received By:		email results: knorman@ba	@ba	sine	NV.CC		amp	lain@	email results: knorman@basinenv.com: ikamplain@basinenv:
Delivered By: (Circle One)		Sample Condition Cool Intact	ON CHECKED BY:							(	

# Appendix C Photo Documentation

Basin Environmental Service Technologies, LLC P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967

# Conoco Phillips Lockhart A-35 Battery (1RP-4077) Unit B, Section 35, T-21-S, R-37-E



Initial release, facing south west 1/6/2016



Initial release, facing north

1/6/2016



Initial release, facing east south east 1/6/2016



Scraping road, facing east

1/6/2016



Scraping road, facing south



1/6/2016



Road backfilled, facing west

4/28/2016

# Initial Sampling





May 12, 2016

KYLE NORMAN Basin Environmental Service P.O. Box 301 Lovington, NM 88260

**RE: LOCKHART A-35 BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 05/11/16 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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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. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/11/2016	Sampling Date:	05/10/2016
Reported:	05/12/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

# Sample ID: PT. 2 @ 6" (H601039-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/12/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	0.050	0.050	05/12/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	0.214	0.150	05/12/2016	ND	5.58	92.9	6.00	2.20	
Total BTEX	<0.300	0.300	05/12/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/12/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2016	ND	187	93.6	200	2.95	
DRO >C10-C28	17.0	10.0	05/12/2016	ND	187	93.6	200	9.01	
Surrogate: 1-Chlorooctane	88.4	% 35-147	,						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/11/2016	Sampling Date:	05/10/2016
Reported:	05/12/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: PT. 3 @ 6" (H601039-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/12/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/12/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	<0.150	0.150	05/12/2016	ND	5.58	92.9	6.00	2.20	
Total BTEX	<0.300	0.300	05/12/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/12/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2016	ND	187	93.6	200	2.95	
DRO >C10-C28	44.3	10.0	05/12/2016	ND	187	93.6	200	9.01	
Surrogate: 1-Chlorooctane	83.2 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	103 %	6 28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/11/2016	Sampling Date:	05/10/2016
Reported:	05/12/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: PT. 4 @ 6" (H601039-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/12/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/12/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	<0.150	0.150	05/12/2016	ND	5.58	92.9	6.00	2.20	
Total BTEX	<0.300	0.300	05/12/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/12/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/12/2016	ND	187	93.6	200	2.95	
DRO >C10-C28	214	10.0	05/12/2016	ND	187	93.6	200	9.01	
Surrogate: 1-Chlorooctane	87.2 9	35-147	,						
Surrogate: 1-Chlorooctadecane	98.69	28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **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

#### Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

(325) 673-7001 FJ 293 293 293 293 293 293	(325) 673-7001 FJ 288240 293 293 2644-6(1) 2644-6(1)	(325) 673-7001 FAX (325)673-7020 <i>BILL TO</i> P.O. #: Company: Basin 293 Address: 419 W Cain 293 Address: 419 W Cain City: Hobbs State: NM Zip: 88240 Phone #: 575-393-2967 Fax #: 575-393-0293 MATRIX PRESERV SAMPLING	(325) 673-7001 FAX (325)673-7020 BILL TO P.O. #: Company: Basin 293 Address: 419 W Cain City: Hobbs State: NM Zip: 88240 Phone #: 575-393-2967 Fax #: 575-393-0293 MATRIX PRESERV SAMPLING Chlorides	BILL TO       P.O. #:       Company: Basin       293       Address: 419 W Cain       City: Hobbs       State: NM Zip: 88240       Basin       City: Hobbs       State: NM Zip: 88240       Phone #: 575-393-2967       Fax #: 575-393-0293       MATRIX       PRESERV       SAMPLING	BILL TO       BILL TO       P.O. #:       P.O. #:       Company: Basin       Address: 419 W Cain       City: Hobbs       State: NM Zip: 88240       Phone #: 575-393-2967       Fax #: 575-393-2967       Chlorides       TPH 8015 M       BTEX       Texas TPH	BILL TO       BILL TO       BILL TO       P.O. #:       Company: Basin       Attn:       Company: Basin       Address: 419 W Cain       City: Hobbs       State: NM Zip: 88240       Preserv       State: NM Zip: 88240       Chlorides       TPH 8015 M       BTEX       BTEX       Texas TPH
GROUNDWATER WASTEWATER SOIL OIL SLUDGE	ACID/BASE: PRESERV. SAMPLIN ACID/BASE: PRESERV. SAMPLIN ACID/BASE: PRESERV. SAMPLIN ACID/BASE: PRESERV. SAMPLIN DATE DATE	# CONTAINERS     GROUNDWATER       # CONTAINERS     GROUNDWATER       WASTEWATER     MATRIX       VASTEWATER     PRESERVI       SOIL     OIL       OIL     SUDGE       OTHER :     ACID/BASE:       ICE / COOL     OTHER ;       OTHER :     DATE       ICE / COOL     TIME	CONTAINERS     GROUNDWATER     WASTEWATER     SOIL     OIL     SLUDGE     OTHER:     ACID/BASE:     ICE / COOL     OTHER:     OTHER:     DATE     TIME     Chlori	CONTAINERS     GROUNDWATER     WASTEWATER     SOIL     OIL     SLUDGE     OTHER:     ACID/BASE:     ICE / COOL     OTHER:     DATE     TIME     Chlori     TPH 80	CONTAINERS     GROUNDWATER     WASTEWATER     SOIL     OIL     SLUDGE     OTHER:     ACID/BASE:     ICE / COOL     OTHER:     OTHER:     CONTAINER     DATE     TIME     Chlori     TPH 80     BTE	CONTAINERS     GROUNDWATER     WASTEWATER     SOIL     OIL     SLUDGE     OTHER:     ACID/BASE:     ICE / COOL     OTHER:     ICE / COOL     I
GROUNDWATER WASTEWATER SOIL OIL SLUDGE	BILL TO       GROUNDWATER       WASTEWATER       WASTEWATER       WASTEWATER       MATRIX       SOIL       OIL       SLUDGE       OTHER:       Actio/BASE:       ICE / COOL       OTHER:       ACID/BASE:       ICE / COOL       OTHER:       ACID/BASE:       OTHER:       OTHER:       OTHER:       OTHER:	BILL TO       BILL TO       P.O. #:       P.O. #:       Company:       Basin       Address:     419 W Cain       Address:     419 W Cain       City:     Hobbs       SoliL     Phone #:       Oil     State:       NATRIX     Preserv       SoliL     Preserv       SoliL     OTHER:       Actio/Base:     DATE       TIME       City:       Diate	GROUNDWATER     BILL TO       240     Attn:       241     Address: 419 W Cain       241     City: Hobbs       State: NM Zip: 88240       Phone #: 575-393-0293       2533-0293       267       Fax #: 575-393-0293       298	GROUNDWATER     BILL TO       QLL TO     P.O. #:       240     Attn:       240     Phone #: 575-393-2967       2533-0293     Phone #: 575-393-2967       240     DATE       240     DATE       341     DATE       341     DATE       341     Chlorides       341     Chlorides       341     TPH 8015 M	GROUNDWATER     PILL TO       240     Address: 419 W Cain       0IL     Soll       0IL     State: NM       0IL     State: NM       SUDGE     Fax#: 575-393-2967       Fax#: 575-393-293       Phone #: 575-393-2967       Fax#: 575-393-2967       OTHER:       ACID/BASE:       OTHER:       ACID/BASE:       OTHER:       ACID/BASE:       OTHER:       OTHER:       OTHER:       OTHER:       DATE       TIME       Chlorides       TPH 8015 M       BTEX       Texas TPH	GROUNDWATER     Address:     P.O. #:       WASTEWATER     WASTEWATER       WASTEWATER       WASTEWATER       SOIL       OIL       SLUDGE       OTHER:       ACID/BASE:       PRESERV       State:       NMTRX       PRESERV       State:       NMTRX       PRESERV       State:       NMTRX       PRESERV       State:       NMTRX       PRESERV       SAMPLING       Chlorides       TPH 8015 M       BTEX       TPH 8015 M       BTEX       Texas TPH       Complete Cations/Anions       TDS
SLUDGE     FAX (325)673       OTHER :     P.O. #:       OTHER :     Address: 41       ACID/BASE:     PRESERV       N ICE / COOL     OTHER :       OTHER :     OTHER :	LIN 29 40 P	n 40 2967 2967 12:00	Nip         Nip           12:00         Chlorides	Nime         Chlorides           12:00         TPH 8015 M	Image: Name     Image: Name       Image: Name <td>ANALYSIS TER TIME Chlorides Chlorides Chlorides TPH 8015 M BTEX Texas TPH Complete Cations/Anions TDS</td>	ANALYSIS TER TIME Chlorides Chlorides Chlorides TPH 8015 M BTEX Texas TPH Complete Cations/Anions TDS
		n 12967 10:800 12:800 12:800	TE TIME TIME Chlorides	Image: Network         Network	Image: New Plane     Image: New Plane     New Plane     New Plane       121 M0     121 M0     Chlorides       121 M0     Chlorides       121 M0     TPH 8015 M       BTEX       Texas TPH	ANALYSIS

-



May 13, 2016

KYLE NORMAN Basin Environmental Service P.O. Box 301 Lovington, NM 88260

**RE: LOCKHART A-35 BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 05/13/16 8:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/13/2016	Sampling Date:	05/10/2016
Reported:	05/13/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

# Sample ID: PT. 4 @ 7' (H601054-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2016	ND	1.99	99.5	2.00	0.948	
Toluene*	<0.050	0.050	05/13/2016	ND	1.96	97.8	2.00	1.65	
Ethylbenzene*	<0.050	0.050	05/13/2016	ND	1.79	89.6	2.00	2.28	
Total Xylenes*	<0.150	0.150	05/13/2016	ND	5.58	92.9	6.00	2.20	
Total BTEX	<0.300	0.300	05/13/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/13/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/13/2016	ND	198	98.8	200	0.224	
DRO >C10-C28	<10.0	10.0	05/13/2016	ND	211	106	200	1.81	
Surrogate: 1-Chlorooctane	70.1 9	% 35-147							
Surrogate: 1-Chlorooctadecane	90.9 9	% 28-171							

### **Cardinal Laboratories**

# \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST       COMPARE LABORATORIES (50) 393-3287 (135) 671-700       Company Name: Company Name: Project Name: Pr	
CHAIN-OF-CL         In Colspan="2">Chainen, TX 79603         In Colspan="2">In Colspan="2">In Colspan="2">In Colspan="2"         In Colspan="2" <td col<="" td=""></td>	
TE TIME TIME Chlorides applicate and the superscription of the sup	
nerv.com; jkam	





May 24, 2016

KYLE NORMAN Basin Environmental Service P.O. Box 301 Lovington, NM 88260

**RE: LOCKHART A-35 BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 05/23/16 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

# Sample ID: PT. 3 @ SURFACE (H601120-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.500	0.500	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	0.914	0.500	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	3.78	1.50	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	4.69	3.00	05/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/24/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	303	100	05/23/2016	ND	201	100	200	1.84	QR-03
DRO >C10-C28	18500	100	05/23/2016	ND	208	104	200	3.18	QM-07
Surrogate: 1-Chlorooctane	124 9	35-147	,						
Surrogate: 1-Chlorooctadecane	592 9	6 28-171							

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: PT. 3 @ 1' (H601120-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.500	0.500	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	<0.500	0.500	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	<1.50	1.50	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	<3.00	3.00	05/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	367	100	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	7640	100	05/23/2016	ND	208	104	200	3.18	
Surrogate: 1-Chlorooctane	153 9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	203 9	28-171	!						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: PT. 3 @ 2' (H601120-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	<0.300	0.300	05/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/24/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	384	10.0	05/23/2016	ND	208	104	200	3.18	
Surrogate: 1-Chlorooctane	101 %	6 35-147	7						
Surrogate: 1-Chlorooctadecane	126 %	6 28-171	,						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: PT. 3 @ 3' (H601120-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	<0.300	0.300	05/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	13.0	10.0	05/23/2016	ND	208	104	200	3.18	
Surrogate: 1-Chlorooctane	92.5 %	6 35-147	,						
Surrogate: 1-Chlorooctadecane	93.9 %	6 28-171							

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: PT. 3 @ 4' (H601120-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	<0.300	0.300	05/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/24/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/24/2016	ND	201	100	200	1.84	
DRO >C10-C28	443	10.0	05/24/2016	ND	208	104	200	3.18	
Surrogate: 1-Chlorooctane	105 9	35-147	,						
Surrogate: 1-Chlorooctadecane	136 9	28-171							

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

## Sample ID: PT. 3 @ 5' (H601120-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	<0.300	0.300	05/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	616	10.0	05/23/2016	ND	208	104	200	3.18	
Surrogate: 1-Chlorooctane	87.3 9	35-147	,						
Surrogate: 1-Chlorooctadecane	101 %	6 28-171							

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: PT. 4 @ SURFACE (H601120-07)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	0.290	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	1.21	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	5.51	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	7.01	0.300	05/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	139 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/24/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	293	100	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	15700	100	05/23/2016	ND	208	104	200	3.18	
Surrogate: 1-Chlorooctane	114 9	35-147	7						
Surrogate: 1-Chlorooctadecane	519 9	% 28-171							

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: PT. 4 @ 1' (H601120-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	0.101	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	0.247	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	0.348	0.300	05/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	4000	100	05/23/2016	ND	208	104	200	3.18	
Surrogate: 1-Chlorooctane	97.9	% 35-147	7						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: PT. 4 @ 2' (H601120-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	0.130	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	0.376	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	0.507	0.300	05/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 %	73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	70.5	10.0	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	4470	10.0	05/23/2016	ND	208	104	200	3.18	
Surrogate: 1-Chlorooctane	106 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	164 %	28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: PT. 4 @ 3' (H601120-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	<0.300	0.300	05/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/23/2016	ND	201	100	200	1.84	
DRO >C10-C28	140	10.0	05/23/2016	ND	208	104	200	3.18	
Surrogate: 1-Chlorooctane	81.3 9	35-147	,						
Surrogate: 1-Chlorooctadecane	95.8 9	28-171							

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: PT. 4 @ 4' (H601120-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	<0.300	0.300	05/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/24/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/24/2016	ND	201	100	200	1.84	
DRO >C10-C28	30.8	10.0	05/24/2016	ND	208	104	200	3.18	
Surrogate: 1-Chlorooctane	81.4 9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	101 %	6 28-171	,						

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/23/2016	Sampling Date:	05/10/2016
Reported:	05/24/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: PT. 4 @ 5' (H601120-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2016	ND	2.18	109	2.00	1.22	
Toluene*	<0.050	0.050	05/24/2016	ND	2.10	105	2.00	0.746	
Ethylbenzene*	<0.050	0.050	05/24/2016	ND	1.90	95.0	2.00	0.883	
Total Xylenes*	<0.150	0.150	05/24/2016	ND	5.90	98.3	6.00	0.738	
Total BTEX	<0.300	0.300	05/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/24/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/24/2016	ND	201	100	200	1.84	
DRO >C10-C28	653	10.0	05/24/2016	ND	208	104	200	3.18	
Surrogate: 1-Chlorooctane	84.2	% 35-147	7						
Surrogate: 1-Chlorooctadecane	109 9	28-171							

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

(505) 393-2326	FAX (505) 393-24/6 (323) 013-1001 1	(323) 013-1001 1 mi (223) 013-1001 1 mi	ANALYSIS REQUEST
Company Name: ConocoPhillips		PO.#	
Project Manager: Kyle Norman		Company: Rasin	S
Address: 419 W Cain		Company, Dasin	
city: Hobbs \$	State: NM Zip: 88240	Attn:	nic
5-393-2967	Fax #: 575-393-0293	Address: 419 W Cain	
	Project Owner:	City: Hobbs	N N
ame:		State: NM Zip: 88240	de 15 X TF
Project location: In Khart	A-35 Echon	Phone #: 575-393-2967	ori 80 TE
1		Fax #: 575-393-0293	B
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	C
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PLEASE NOTE: Liability and Damages. Cardinal's lability and dirent's	claim arising w	stract or tort, shall be limited to the amount pa g and received by Cardinal within 30 days aft	id by the client for the applicable
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Relinquisted By:	Date: Received By: Time:		email results: knorman@basinenv.com; jkamplain@basinenv;
Delivered By: (Circle One)	Cool Intac Cool Intac	res (Mittals)	

Company Name: ConocoPhillips	)S	BILL TO	-	
Address: 419 W Cain		Company: Basin		ns
City: Hobbs	State: NM Zip: 88240	Attn:		nio
Phone #: 575-393-2967	Fax #: 575-393-0293	Address: 419 W Cain		-
Project #:	Project Owner:	city: Hobbs	es 5 M	PH ns/
Project Name:		State: NM Zip: 88240	de 15	ior
on: /	hart A-35 BLAN	Phone #: 575-393-2967	oria 80 TE	
Flujeri Lucanon. Much		Fax #: 575-393-0293	hla H	C
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activity, in its second and activity of or related to the	Date:n 2/11 Rei	Henson	es	2 No Add'I Fax#:
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Relinquished By: Relinquished By: Relinquished By:	Time:		knorman@basine	

## **CONOCOPHILLIPS LOCKHART A-35 BATTERY**

Unit B & C, Section 35, T21S, R37E



Stain around treater, facing south-southwest

5/23/16



Stain around pipes, facing northeast

5/23/16



Stain around pipes facing north

5/23/16



Stain around treater, facing southeast

5/23/16

## Conoco Phillips Lockhart A-35 Battery (1RP-4077) Unit B, Section 35, T-21-S, R-37-E



Initial release, facing south west 1/6/2016



Initial release, facing north

1/6/2016



Initial release, facing east south east 1/6/2016



Scraping road, facing east

1/6/2016



Scraping road, facing south





Road backfilled, facing west

4/28/2016



Delineating Site, Facing SW

5/10/16



Hand Digging In Facility, Facing NW 5/27/16



Exporting Soil, Facing SW

6/2/16



Excavating Leak Area, Facing NW 6/2/16



Final Excavation Photo, Facing N6/2/16



Final Excavation Photo, Facing E

6/2/16



Final Excavation Photo, Facing NW6/2/16



Importing Soil, Facing S

6/6/16



Backfilling Excavation, Facing SE 6/6/16

## Excavation





June 03, 2016

KYLE NORMAN Basin Environmental Service P.O. Box 301 Lovington, NM 88260

**RE: LOCKHART A-35 BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 06/02/16 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	06/02/2016	Sampling Date:	06/02/2016
Reported:	06/03/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: NW 1 (H601204-01)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEX	<0.300	0.300	06/03/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	<10.0	10.0	06/03/2016	ND	209	104	200	6.78	
Surrogate: 1-Chlorooctane	73.6 9	% 35-147							
Surrogate: 1-Chlorooctadecane	83.2 9	28-171							

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	06/02/2016	Sampling Date:	06/02/2016
Reported:	06/03/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: NW 2 (H601204-02)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEX	<0.300	0.300	06/03/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	48.5	10.0	06/03/2016	ND	209	104	200	6.78	
Surrogate: 1-Chlorooctane	65.3 9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	89.6	% 28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	06/02/2016	Sampling Date:	06/02/2016
Reported:	06/03/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: NW 3 (H601204-03)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEX	<0.300	0.300	06/03/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	<10.0	10.0	06/03/2016	ND	209	104	200	6.78	
Surrogate: 1-Chlorooctane	65.8	% 35-147							
Surrogate: 1-Chlorooctadecane	87.2	28-171							

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	06/02/2016	Sampling Date:	06/02/2016
Reported:	06/03/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: SW 1 (H601204-04)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEX	<0.300	0.300	06/03/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	<10.0	10.0	06/03/2016	ND	209	104	200	6.78	
Surrogate: 1-Chlorooctane	77.7 9	35-147	,						
Surrogate: 1-Chlorooctadecane	104 %	6 28-171							

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	06/02/2016	Sampling Date:	06/02/2016
Reported:	06/03/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: SW 2 (H601204-05)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEX	<0.300	0.300	06/03/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	19.0	10.0	06/03/2016	ND	209	104	200	6.78	
Surrogate: 1-Chlorooctane	69.8 9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	<b>93.8</b> 9	28-171	!						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	06/02/2016	Sampling Date:	06/02/2016
Reported:	06/03/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: EW 1 (H601204-06)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEX	<0.300	0.300	06/03/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	<10.0	10.0	06/03/2016	ND	209	104	200	6.78	
Surrogate: 1-Chlorooctane	77.3 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	93.1 9	28-171							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	06/02/2016	Sampling Date:	06/02/2016
Reported:	06/03/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: EW 2 (H601204-07)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEX	<0.300	0.300	06/03/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	<b>99</b> .7 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	14.8	10.0	06/03/2016	ND	209	104	200	6.78	
Surrogate: 1-Chlorooctane	79.5 9	35-147	,						
Surrogate: 1-Chlorooctadecane	92.3 9	6 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	06/02/2016	Sampling Date:	06/02/2016
Reported:	06/03/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: WW 1 (H601204-08)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEX	<0.300	0.300	06/03/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	<10.0	10.0	06/03/2016	ND	209	104	200	6.78	
Surrogate: 1-Chlorooctane	77.8 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	95.0 9	28-171							

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	06/02/2016	Sampling Date:	06/02/2016
Reported:	06/03/2016	Sampling Type:	Soil
Project Name:	LOCKHART A-35 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: WW 1 (H601204-09)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2016	ND	1.90	94.8	2.00	0.348	
Toluene*	<0.050	0.050	06/03/2016	ND	1.96	98.0	2.00	0.426	
Ethylbenzene*	<0.050	0.050	06/03/2016	ND	1.81	90.3	2.00	0.271	
Total Xylenes*	<0.150	0.150	06/03/2016	ND	5.60	93.3	6.00	0.347	
Total BTEX	<0.300	0.300	06/03/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/03/2016	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/03/2016	ND	197	98.7	200	5.73	
DRO >C10-C28	<10.0	10.0	06/03/2016	ND	209	104	200	6.78	
Surrogate: 1-Chlorooctane	80.7	% 35-147	,						
Surrogate: 1-Chlorooctadecane	106 9	28-171							

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **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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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Loratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

O. #: O. #: ity: Hobbs ity: Hobbs ity: Hobbs ax #: 575-393-0 PRESERV ACID/BASE: PRESERV Sub- ror, that be initial based upon any of the ab		- 1	BILL TO		AI	ANALYSIS REQUEST
State: NM     Zip: 88240     Attn: Address: 419 W Cain Fax #: 575-393-0293       Project Owner:     State: NM     Zip: Hobbs State: NM       Project Owner:     State: NM     Zip: 88240       Address: 419 W Cain     City: Hobbs     State: NM       Project Owner:     State: NM     Zip: 88240       Project Owner:     State: NM     Zip: 88240       Phone #: 575-393-2967     Fax #: 575-393-2967       If and the state of	2		P.O. #:			
State:     XIp: 88240     Attr:       6-383-2967     Fax #: 575-393-0293     City: Hobbs       Project Owner:     State:     Nip: Hobbs       Ion:     Loc.L.hL.A.35     Phone #: 575-393-2967       Ion:     Loc.L.hL.A.35     Fax #: 575-393-2967       Ie:     T.M.QL.A.35     Fax #: 575-393-2967       Ie:     T.M.Q	Address: 419 W Cain		Company: Basin		_	ns
G.383-2967     Fax #: 575-393-0293     Address: 419 W Cain       Ion:     Lack has L     A: 3     Project Owner:     State: NM     Zip: 88240       Ion:     Lack has L     A: 3     Project Owner:     State: NM     Zip: 88240       Ion:     Lack has L     A: 3     Project Owner:     State: NM     Zip: 88240       Ion:     Lack has L     A: 3     Project Owner:     Rax #: 575-393-2967       Ion:     Lack has L     A: 3     Project Owner:     Rax #: 575-393-2967       Ion:     July Ma     Sample I.D.     MATRIX     PRESERV     SAMPLING       Allow 1     Query Mark     GROUNDWATER     DATE     DATE       Allow 1     Query Mark     Query Mark     Query Mark     Query Mark       Allow 1     Query Mark     Query Mark     Query Mark     Query Mark       Allow 1     Query Mark     Query Mark     Query Mark     Query Mark       Allow 1     Query Mark     Query Mark     Query Mark     Query Mark       Allow 2     Query Mark     Query Mark     Query Mark     Query Mark       Allow 2     Query Mark     Query Mark     Query Mark     Query Mark       Allow 2     Query Mark     Query Mark     Query Mark     Query Mark       Allow 2			Attn:			
Project Owner:     City: Hobbs       ame:     Jack h., L A - 3 5     State: NM Zip: 88240       Name:     The R. State: NM Zip: 88240     Phone #: 575-393-2961       Name:     The R. State: NM Zip: 88240     Phone #: 575-393-2961       Name:     The R. State: NM Zip: 88240     Phone #: 575-393-2961       Name:     The R. State: NM Zip: 88240     Phone #: 575-393-2961       Name:     The R. State: NM Zip: 88240     Phone #: 575-393-2961       Name:     The R. State: NM Zip: 88240     Phone #: 575-393-0293       Name:     The R. State: NM Zip: 88240     Phone #: 575-393-0293       Name:     The R. State: NM Zip: 88240     Phone #: 575-393-0293       Name:     Phone #: 575-393-0293     Name: The R. State: Nm Zip: 88240       Name:     Phone #: 575-393-0293     Name: The R. State: Nm Zip: 88240       Name:     Phone #: 575-393-0293     Name: The R. State: Nm Zip: 88240       Name:     Phone #: 575-393-0293     Name: The R. State: Nm Zip: 88240       Name:     State: Nm Zip: 88240     Name: The R. State: Nm Zip: 88240       Name:     Phone #: 575-393-0293     Name: N	5-393-2967	#: 575-393-0293	Address: 419 W Cain	1	-	/Ar
ame:     State: NM     Zip: 88240       Vame:     TK R up (L, hup (L, h)     Phone #: 575-393-2296       Vame:     TK R up (L, hup (L, h)     PRESERV     SAMPLING       D.     Sample I.D.     PRESERV     SAMPLING       D.     Date     PRESERV     SAMPLING       D.     PRESERV     SAMPLING     PRESERV       D.     MAC     PRESERV     SAMPLING       D.     PRESERV     SAMPLING     PRESERV       D.     A.D.     PRESERV     SOIL     DATE       D.     A.D.     PRESERV     SOIL     DATE       D.     A.D.     PRESERV     PRESERV     PRESERV       D.     A.D.     PRESERV     PRESERV     PRESERV       D.     A.D.     PRESERV     PRESERV     PRESERV       D.     PR	010 000 1001	ect Owner:		s	н	
m:     Lattheart A-35     Phone #: 575-393-2967       The ample i.D.     Fax #: 575-393-0293       NIAL     PRESERV     SAMPLING       Allar     Reserver     SAMPLING       Allar     Gild and and and and and and and and and an	ame:			de	TF	
Fax #: 575-393-0293       The preserve     Sample I.D.       Sample I.D.     MATRIX       Preserve     Sample I.D.       Multiple     Giran       M	Project location: Jorkhurt	A-35	Phone #: 575-393-29	ori	as	_
MARTIN     PRESERV     SAMPLING       Sample I.D.     G(G)RAB OR (C)OMP.       MML     G(G)ROUNDWATER	Fluter Location Location		Fax #: 575-393-0293	-	Xa	
UNDE ONLY     Sample I.D.       I.D.     Sample I.D.       I.D.     Sample I.D.       I.D.     (G)RAB OR (C)OMP.       I.D.     (G)ROUNDWATER       I.D.     (G)ROUNDWATER       I.	Sampler Name: 7 1.9 mg/	MATRIX	PRESERV.	C	e	te
I.D.     Sample I.D.       IIII     G(G)RAB OR (C)OM       IIIIIIII     G(G)RAB OR (C)OM       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	FOR LAB USE ONLY	_		(	-	blet
Image: Start Star	ol.D.	CONTAINERS ROUNDWATER /ASTEWATER OIL	OTHER : CID/BASE: CE / COOL OTHER :	TIME		Comp
N/W     3     3     3     3     3       N/W     3     3     3     3     3       S/W     1     3     3     3     3       S/W     2     3     3     3     3       S/W     2     3     3     3     3       W/W     2     3     3     3     3       Damages. Considering order cancely for any data miniting whether based is contract or link, shall be funded to the anount paid by antime or shall be anound by data related to the order the shall be anound whether such class is shall by an any of the above stated of data whether such class is shall by an any of the above stated of data whether such class is based upon any of the above stated of data shall by anound of the	Mound	- # V S		9:00 / /	1	
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Sku2     Sku2       Nu     Sku2       Nu     Sku2       Sku2     Sku2       Nu     Sku2       Sku2     Sku2	NW			4:20 / /	1	
Star2       Star2 <td< td=""><td>0</td><td></td><td></td><td>0.42 /</td><td>1</td><td></td></td<>	0			0.42 /	1	
Elast 1       9       1       9       1 </td <td>5 542</td> <td>&gt;</td> <td></td> <td>0:00 / /</td> <td>1</td> <td></td>	5 542	>		0:00 / /	1	
WW1     9     1     9     1       WW2     9     1     9     1       Damages. Cardinal's liability and dierfs, exclusive romedy for any datin antiling whether based in contract or tort, shall be lamited to the annount paid by Thamages. Cardinal's liability and dierfs, exclusive romedy for any datin antiling whether based in contract or tort, shall be lamited to the annount paid by Thamages. Cardinal or consequential damages, including which durines interruption, loase of text, or loss of profile incurred by date dating the shall be indiced to the annount paid by date during the shall be indiced to the annount paid by date during the shall be indiced to the annount paid by date during the shall be indiced to the annount paid by date during the shall be indiced to the annount paid by date during the shall be indiced to the annount paid by date during the shall be indiced to the annount paid by date during the shall be indiced to the annount paid by date during the shall be indiced to the annount paid by date during the shall be indiced to the annount paid by date during the shall be indiced to the annount paid by date during the shall be annount paid by date during the shall be indiced to the annount paid by date during the shall be annount paid by date during the above shall be above shall be above shall be above shall be during the above shall be above s			/	10.00	1	
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Form C-141 Revised April 3, 2017

Final Report

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

API No.

# Release Notification and Corrective Action OPERATOR Initial Report mpany ConocoPhillips Contact Jose A Zepeda ONUME OF the Data of

Name of Company ConocoPhillips	Contact Jose A Zepeda
Address 1410 N West Country Road	Telephone No. 575-391-3165
Facility Name Lockhart A-35 Battery	Facility Type Battery

Surface Owner Federal Lease 032096A

federal, state, or local laws and/or regulations.

#### LOCATION OF RELEASE

Mineral Owner

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
В	35	21S	37E					Lea

Latitude\_ 32°26'21.10"N\_ Longitude\_ 103° 8'1.06"W\_ NAD83

#### NATURE OF RELEASE

Type of Release Oil	Volume of Release 9 bbl	Volume Recovered 9 bbl						
Source of Release Vessel	Date and Hour of Occurrence	Date and Hour of Discovery						
	01/05/2016	01/05/2016						
Was Immediate Notice Given?	If YES, To Whom?							
Yes No Not Required	Jamie Keys							
By Whom? Jose Zepeda	Date and Hour 01/06/2016 1500 (vi							
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse.						
🗌 Yes 🖾 No								
If a Watercourse was Impacted, Describe Fully.*								
Describe Cause of Problem and Remedial Action Taken.* ENV- Agency Courtesy Call-MCBU- Permian – 9.0 bbl. Oil –Lockhart A- Battery, MSO discovered an out of service vessel had leaked due to the cir bbl being recovered. Immediate action was to shut down the circulation pu	culating pump being left in service.	Resulting in a release of 9 bbl of oil with 9						
bill being recovered. Immediate action was to shut down the circulation pt	imp. Spill site will be remediated in p	face according to NMOCD guidelines.						
<ul> <li>Basin personnel were on site to assess the release January 6th, 2016. The release was mapped and photographed. On April 28th, 2016, 1 sample was collected in the road scrape and sent to a commercial laboratory for analysis. Laboratory analysis of Point 1 at 6" (six inches) returned a chloride value, Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and BTEX values of non-detect.</li> <li>A Corrective Action Plan (CAP) was submitted to NMOCD and BLM on May 6th, 2016. The CAP suggested that the leak are be scraped down 6" bgs and the area within the facility be addressed at site abandonment. On May 9th, 2016 NMOCD requested further delineation of site. On May 10th, 2016 Basin used hand augur to collect samples with depth from pt.2, pt3 &amp; pt.4. Representative samples from all points were taken to a 3rd party laboratory for analysis. Pt.2 @6" returned a chloride value of &lt;16 mg/kg, GRO of &lt;16 mg/kg, DRO of 17 mg/kg and a BTEX of &lt;0.3 mg/kg. Pt.3 @6' returned a chloride value of 176 mg/kg, GRO/DRO of &lt;10 mg/kg, and a BTEX of &lt;0.3 mg/kg. Pt.4 @7' returned a chloride value of 176 mg/kg, GRO/DRO of &lt;10 mg/kg, and a BTEX of &lt;0.3 mg/kg. On May 16th. 2016 the CAP was resubmitted along with the lab data for the further delineation. Or</li> </ul>								
GRO/DRO of $<10 \text{ mg/kg}$ , and a BTEX of $<0.3 \text{ mg/kg}$ . On May 16th, 2016 the CAP was resubmitted along with the lab data for the further delineation. On May 20th, 2016 NMOCD denied the CAP. On May 25th, 2016 after meeting with NMOCD an Addendum to the CAP was submitted to NMOCD and BLM. The Addendum stated that the area around Pt.3 would be excavated to 1' bgs and the area around Pt.4 would be excavated to a depth of 2' bgs, and representative wall samples would taken to a commercial laboratory to confirm all constituents are below regulatory standard.								
On May 27th, 2016 work began on site. The area around Pt.3 was excavated to a depth of 1' bgs and the area around Pt.4 was excavated to a depth of 2' bgs. Approximately 340 yards was exported to a NMOCD approved facility for disposal. Wall samples were collected from the excavation and taken to a commercial laboratory for analysis. All wall samples retuned a chloride, GRO/DRO and BTEX result below regulatory standards. On June 3rd, 2016 a request to backfill along with the lab data for the wall samples was sent to NMOCD and BLM. Basin received approval from NMOCD and BLM on June 8th, 2016. Approximately 340 yards caliche was imported to site for backfill. Site was backfilled with clean caliche and contoured to the surrounding area.								
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the	otifications and perform corrective act	tions for releases which may endanger						

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

Wenly ant Q. Signature:	OIL CONSER Approved by Environmental Special	VATION DIVISION ist:
Printed Name: Wendy S. Acosta Quintero		
Title: Environmental Coordinator	Approval Date:	Expiration Date:
E-mail Address: wendy.acostaquintero@cop.com	Conditions of Approval:	Attached
Date: 9/7/2017 Phone: 432-688-9162		

\* Attach Additional Sheets If Necessary