

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 5th, 2016

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



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

May 6th, 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 5th, 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 6th, 2016, and an initial C-141 was submitted the same day. NMOCD approved the initial C-141 on January 6th, 2016 (Appendix A).

Basin personnel were on site to assess the release January 6th, 2016. The release was mapped and photographed (Figure 1). On April 28th, 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____

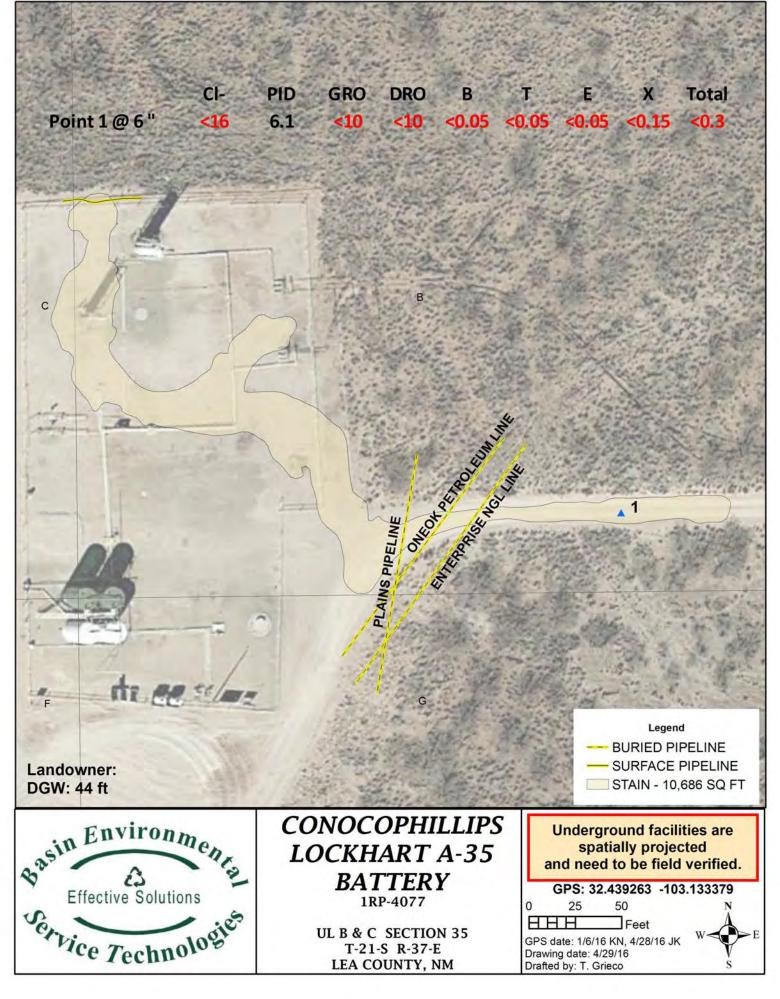
Kyle Norman Project Lead Basin Environmental Service Technologies (575) 942-8542

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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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



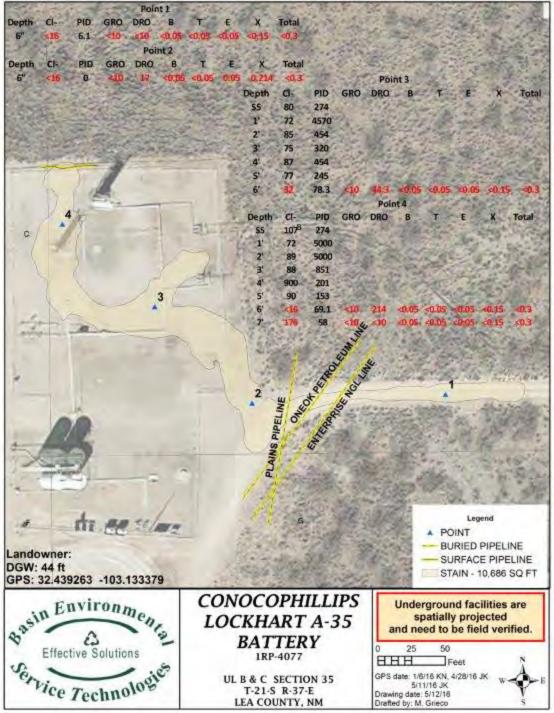
1/6/2016



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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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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

*=Accredited Analyte

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

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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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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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

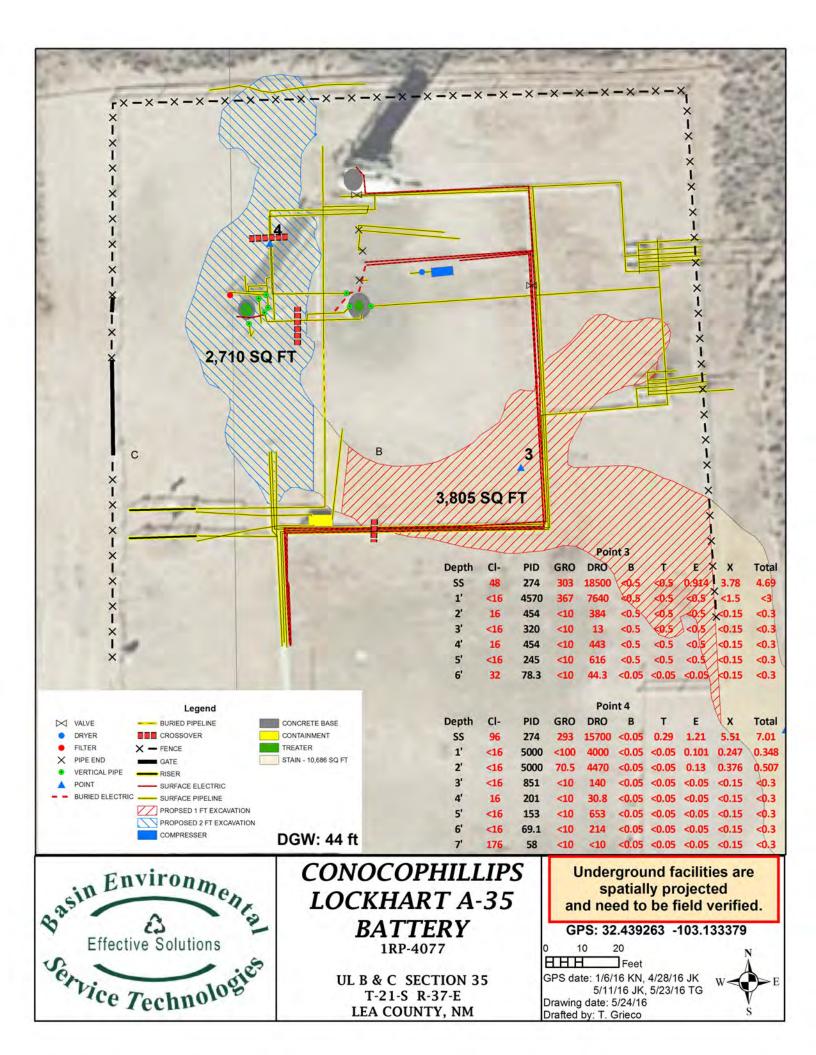
Cardinal Laboratories

*=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	
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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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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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:	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	,						

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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:	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							

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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:	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							

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*=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							

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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:	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	,						

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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							

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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
Lab I.D. Sample I.D.	G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
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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
analyses. All claims including those for negligence and any once cause service. In no event shall cardinal be liable for incidental or conseque	er maawoover one of the second metabolic business interruption that analyses inducting without imitation, business interruption of the second se	business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries of whether such claim is based upon any of the above stated reasons or otherwise.	
aritiates or successory spining out of or related to the performance on Relinquished BY:	Time: A Received By:	~	Phone Result: Ves No Add'l Phone #: Fax Result: REMARKS:
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
FOR LAB USE ONLY	MI I I I I I I I I I I I I I I I I I I	MATRIX PRESERV. SAMPLING	C	-
	B)RAB OR (C)OMP CONTAINERS ROUNDWATER VASTEWATER OIL			Comple
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PIFASE NOTE: Liability and Damages, Cardnal's li	or FASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim artialing whether based in contract or tort, shall be limite	eed in contract or fort, shall be limited to the amount p	and by the client for the applicable	
analyses, All claims including uroad for including on a support	ential consequental damages, including without limitation, business interruptions, loss of use, or loss of posts incurred by crem, us sussiants a performance of services hereunder by Cardinal, regardees of whether such claim is based upon any of the above stated reasons or otherwise.	interruptions, loss of use, or loss of profits incurred by ier such claim is based upon any of the above stated i		т
activity, in its second and activity of or related to the	Date:n 2/11 Rei	Henson	es	2 No Add'I Fax#:
Relinguished By:	Times, 120 100		email results:	əmail results: knorman@basinenv.com; jkamplain@basinenv;
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



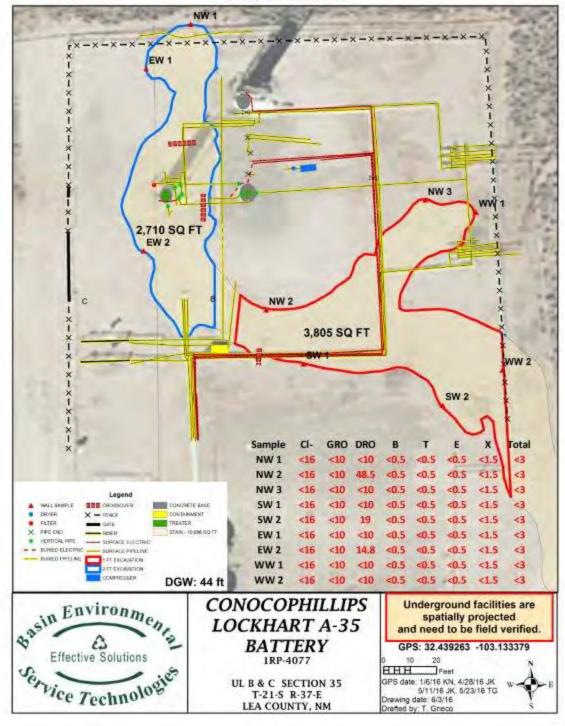
Importing Soil, Facing S

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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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	93.8 9	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: 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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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: 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	99 .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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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: 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



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: 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. #:			
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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
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Durages. Cardinals lability and clears, exclusive remedy for any datin aniling whether based in contract or text, shall be larited to the anount pad by results for negligence and any other cause whatbeever shall be deemed weived urkes much by datin directions used in the performance of services heaving of the defined without instants interruptions, loss of profile incurred by datin directions, basic datin as based upon any of the above stated reasor goal or related to the performance of services heaving or by cardinal, regardless of whether such claims is based upon any of the above stated reasor goal or related to the performance of services heaving the transmitter such claims is based upon any of the above stated reasor goal or related to the performance of services heaving the transmitter such claims is based upon any of the above stated reasor goal or related to the performance of the resource of the transmitter such claims is based upon any of the above stated reasor goal of created by claim transmitter such claims is based upon any of the above stated reasor goal of created to the performance of the resource of the transmitter such claims is based upon any of the above stated reasor goal of created to the performance of the resource of the transmitter such claims is based upon any of the above stated reasor goal of created to the performance of the resource of the transmitter such claims is based upon any of the above stated reasor goal of created to the performance of the resource of the transmitter such claims is based upon any of the above stated reasor goal of created to the performance of the transmitter such claims is based upon any of the above stated reasor goal of created to the transmitter such claims is based upon any of the above stated reasor goal of created to the transmitter such claims is based upon any of the above stated reasor goal of created to the transmitter such claims is based upon any of the above stated reasor goal of created to the transmitter such	-	9				
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Image: Concernent of the second se	shall Cardinal be liable for incident	I damages, including without limitation, business interrup loss hereunder by Cardinal, regardless of whether such	claim is based upon any of the above stated re			Add'I Phone #:
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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.						
 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. 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 & pt.4. Representative samples from all points were taken to a 3rd party laboratory for analysis. Pt.2 @6" returned a chloride value of <16 mg/kg, GRO of <16 mg/kg, DRO of 17 mg/kg and a BTEX of <0.3 mg/kg. Pt.3 @6' returned a chloride value of 176 mg/kg, GRO/DRO of <10 mg/kg, and a BTEX of <0.3 mg/kg. Pt.4 @7' returned a chloride value of 176 mg/kg, GRO/DRO of <10 mg/kg, and a BTEX of <0.3 mg/kg. On May 16th. 2016 the CAP was resubmitted along with the lab data for the further delineation. Or 								
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