

RECEIVED

By Kellie Jones at 8:01 am, Jan 14, 2016

APPROVED

By Kellie Jones at 8:01 am, Jan 14, 2016



CONOCOPHILLIPS

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

MCA Battery #4 (1RP-3200)

Termination Request

API No. 30-025-12709

Release Date: July 30th, 2014

Unit Letter A, Section 26, Township 17S, Range 32E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

January 13, 2016

Kellie Jones

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

**RE: Termination Request
ConocoPhillips MCA Battery #4 (1RP-3200)
UL/A sec. 26 T17S R32E
API No. 30-025-12709**

Ms. Jones:

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

Background and Previous Work

The site is located approximately 3.5 miles southeast of Maljamar, New Mexico at UL/A sec. 26 T17S R32E. NM OSE, BLM and RECS installed monitor well records indicate that groundwater will likely be encountered at a depth of approximately 69 +/- feet.

On July 30th, 2014, CoP discovered that a heater treater water line on the production heater had pressured up and started to leak, releasing 17.5 barrels of produced water over 1,841 sq ft of lease pad, lease road and pasture. A total of 8 barrels of produced water was recovered. NMOCD and BLM were notified of the release July 30th, 2014, and an initial C-141 was submitted to both agencies for approval. NMOCD approved the C-141 on July 30th, 2014 (Appendix A).

Because this site is located in a high-traffic area, CoP immediately scraped the road to 6 inches bgs. Approximately 12 yards of contaminated soil was exported to a NMOCD approved facility. The scrape was then backfilled with approximately 12 yards of clean, imported base course.

Basin personnel were on site to visually assess the release on August 1st, 2014, and June 8th, 2015. The release was mapped and photographed. Point 1 was sampled at the surface and at 6 inches bgs. Both samples were sent to a commercial laboratory for analysis. Laboratory analysis returned a chloride value of 112 mg/kg, a Gasoline Range Organics (GRO) value of non-detect, and a Diesel Range Organics (DRO) value of 661 mg/kg at the surface. At 6 inches bgs,

laboratory analysis returned a chloride value of 80 mg/kg, a GRO value of non-detect and a DRO value of 21.9 mg/kg. A vertical was installed at Point 2 to 1 ft bgs and was sampled at regular intervals. All samples were sent to a commercial laboratory for analysis. Laboratory analysis returned a chloride value of 1,600 mg/kg, a GRO reading of 157 mg/kg and a DRO reading of 8,160 mg/kg at the surface. At 6 inches bgs, laboratory analysis returned a chloride value of 224 mg/kg, a GRO value of 321 mg/kg and a DRO value of 2,300 mg/kg. At 1 ft bgs, laboratory analysis returned a chloride value of 16 mg/kg, a GRO value of 123 mg/kg and a DRO value of 1,220 mg/kg.

Based on the initial assessment of the site, a Corrective Action Plan (CAP) was submitted to NMOCD and BLM June 19th, 2015. NMOCD approved the CAP June 19th, 2015 and BLM gave their approval July 13th, 2015. The CAP stated that the release area around Point 1 would be scraped down 6 inches bgs, and the area around Point 2 would be scraped down to 2 ft bgs. Once the scrapes were completed, discrete samples from the bottom of the scrapes would be taken and field tested for chlorides and organic vapors. If the field data indicated that the discrete, bottom samples would not achieve chloride, GRO and DRO readings below regulatory standards, the scrapes would be deepened until field testing indicated that all constituents from the discrete samples would return values below regulatory standards. The two discrete, bottom samples would then be taken to a commercial laboratory to confirm that chloride, GRO and DRO readings were below regulatory standards.

All excavated soils would be taken to a NMOCD approved facility for disposal. Clean soil would be imported to the site to use as backfill. A sample of the imported soil would be taken to a commercial laboratory to confirm that the chloride reading was below regulatory standards. The scrapes would be backfilled with the clean, imported soil and contoured to the surrounding location. The disturbed area in the pasture would then be seeded with a blend of native vegetation.

CAP activities began July 13th, 2015. The release area around Point 1 was scraped to 6 inches and Point 2 was excavated to 2 ft bgs (Figure 1). Two, discrete samples were taken from the bottom of the scrape and excavation and sent to a commercial laboratory for analysis. Laboratory analysis of Point 1 from the 6 inch scrape returned a chloride value of 32 mg/kg and GRO, DRO and BTEX values below regulatory standards. Laboratory analysis of Point 2 from the 6 inch scrape returned chloride, GRO, DRO and BTEX values of non-detect. From the 2 ft excavation, laboratory analysis of Point 1 returned a chloride value of non-detect and laboratory analysis of Point 2 returned a chloride value of 16 mg/kg. GRO, DRO and BTEX from both points returned values of non-detect (Appendix B). A total of 135 cubic yards of contaminated soil were exported and disposed of at a NMOCD approved facility. A total of 140 cubic yards of top soil were imported for backfill. A sample of the imported top soil was taken and sent to a commercial laboratory for analysis. Laboratory analysis returned a chloride level of non-detect. The site was backfilled with the clean, imported top soil and contoured to the surrounding location. The pasture area was then seeded with BLM #2 seed mix.

Photo documentation of the field activities can be found in Appendix C.

Given that CoP has completed the work stated in the NMOCD approved CAP, CoP respectfully requests 'remediation termination' and site closure. A final C-141 can be found in Appendix D.

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

Sincerely,

A handwritten signature in black ink that reads "Kyle Norman" followed by a long horizontal flourish.

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

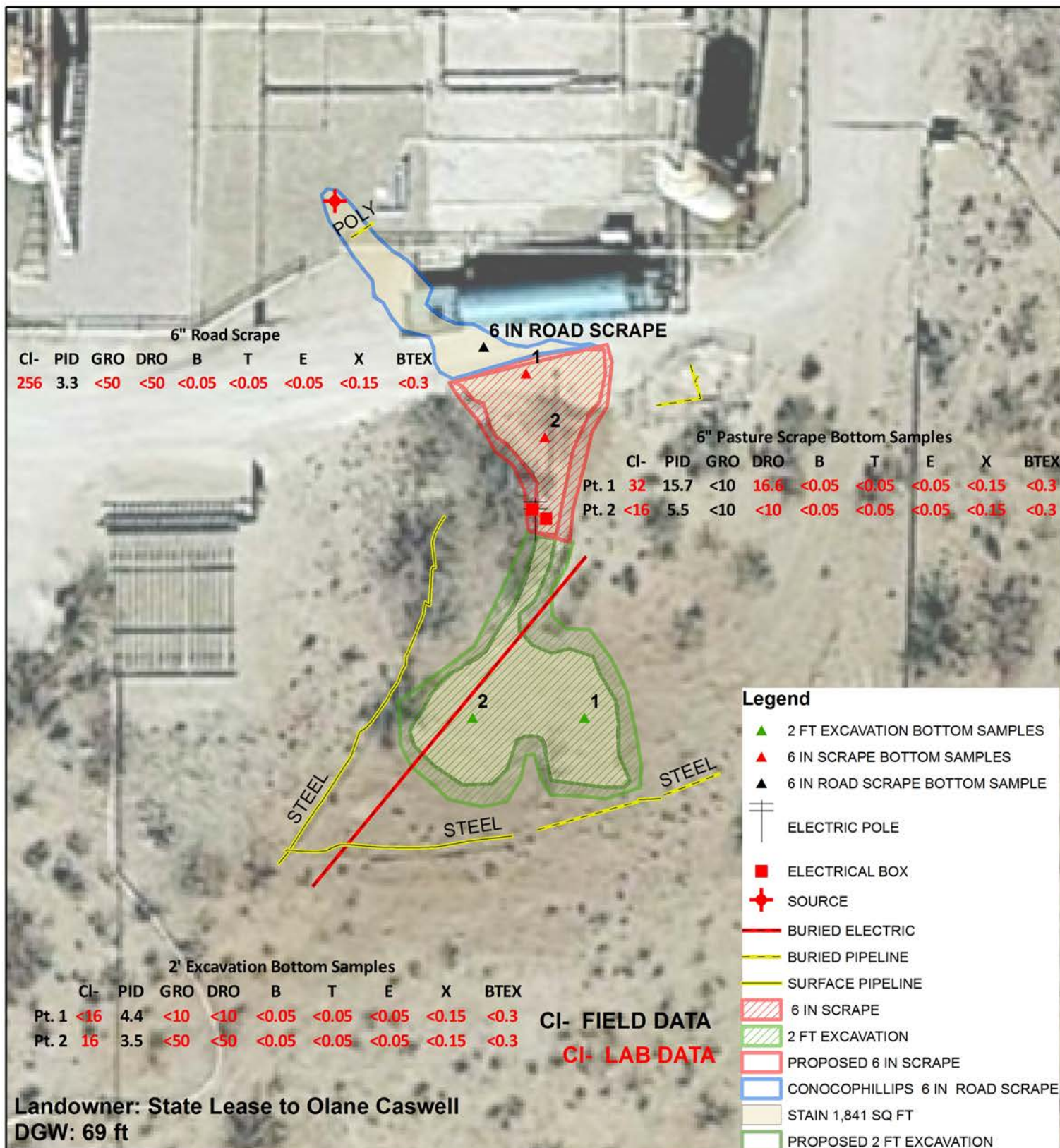
Attachments:

- Figure 1 – Excavation Map
- Appendix A – Initial C-141
- Appendix B – Laboratory Analysis
- Appendix C – Photo Documentation
- Appendix D – Final C-141

Figures

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

Excavation



CONOCOPHILLIPS MCA BATTERY #4

NMOCD CASE #: 1RP-3200

UL A SECTION 26

T-17-S R-32-E

LEA COUNTY, NM

Figure 1



0 10 20
Feet

GPS date: 8/1/14 CF
Drawing date: 6/18/2015
Drafted by: C. Ursanic, L. Weinheimer

Appendix A

Initial C-141

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

District I
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

HOBBS OGD State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
RECEIVED Santa Fe, NM 87505
JUL 30 2014

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: ConocoPhillips	Contact: Spencer Cluff	
Address: 29 Vacuum Complex Lane	Telephone No. 575-391-3143	
Facility Name: MCA Battery 4	Facility Type: Battery	
Surface Owner: BLM	Mineral Owner NMOCD	API No. 3002512709

LOCATION OF RELEASE

Unit Letter A	Section 26	Township 17S	Range 32E	Feet from the 660	North/South Line North	Feet from the 660	East/West Line East	County LEA
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Latitude 32.8076533080148 Longitude - 103.426925251861

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 17.5 BBLs	Volume Recovered: 8 BBLs
Source of Release: Water Line	Date and Hour of Occurrence 7/30/2014 4:00 a.m.	Date and Hour of Discovery 7/30/2014 4:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking and Solomon Hughes	
By Whom? Spencer Cluff	Date and Hour: 07/30/2014 10:30 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* On Wednesday July 30, 2014 at 0400 hrs. MST a produced water release of 17.5 bbls occurred. A water hauler called MSO and notified him of a leak that was happening at MCA Battery 4. The heater treater water line on production heater had pressured up and started to leak. MSO went down to MCA battery 4 and blocked in the line to stop the leak. MSO had shut in all the wells earlier in that night to prevent tank from overflowing due to of water pumps being down over night. Spill length is 63 ft. X 150 ft. X about 2 inches deep. The spill resulted in 17.5 bbls released and 8 bbls recovered. A work order has been submitted to repair the line. The area will be remediated according to NMOCD and COPC guidelines.

Describe Area Affected and Cleanup Action Taken.*

MSO had shut in all the wells earlier in that night to prevent tank from overflowing due to of water pumps being down over night. A work order has been submitted to repair the line. The area will be remediated according to NMOCD and COPC guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Spencer A. Cluff		OIL CONSERVATION DIVISION	
Printed Name: Spencer Cluff		Approved by Environmental Specialist:	
Title: LEAD HSE	Approval Date: 7-30-14	Expiration Date: 10-3-14	
E-mail Address: spencer.a.cluff@conocophillips.com	Conditions of Approval: Site Samples require Delivered numbers area 95 per NMOCD guides Submit Final C-141 by 10-3-14		Attached <input type="checkbox"/> 1 RP - 3200
Date: 07/30/2014	Phone: 575-391-3143		

* Attach Additional Sheets If Necessary

ogrid 217817
A70 1921/4043
p-10 14 21/4043

Appendix B

Laboratory Analysis

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



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

July 21, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: MCA BATTERY #4

Enclosed are the results of analyses for samples received by the laboratory on 07/20/15 16:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BASIN ENVIRONMENTAL - HOBBS
KYLE NORMAN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 393-0293

Received:	07/20/2015	Sampling Date:	07/20/2015
Reported:	07/21/2015	Sampling Type:	Soil
Project Name:	MCA BATTERY #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	COP		

Sample ID: 2' EXCAVATION POINT 1 BOTTOM (H501878-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2015	ND	1.91	95.6	2.00	2.71	
Toluene*	<0.050	0.050	07/21/2015	ND	1.90	94.9	2.00	2.58	
Ethylbenzene*	<0.050	0.050	07/21/2015	ND	1.99	99.3	2.00	3.99	
Total Xylenes*	<0.150	0.150	07/21/2015	ND	5.20	86.7	6.00	3.71	
Total BTX	<0.300	0.300	07/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 85.6-137

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	07/21/2015	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/21/2015	ND	198	99.1	200	2.50	
DRO >C10-C28	<10.0	10.0	07/21/2015	ND	204	102	200	5.87	

Surrogate: 1-Chlorooctane 80.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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 claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BASIN ENVIRONMENTAL - HOBBS
KYLE NORMAN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 393-0293

Received:	07/20/2015	Sampling Date:	07/20/2015
Reported:	07/21/2015	Sampling Type:	Soil
Project Name:	MCA BATTERY #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	COP		

Sample ID: 2' EXCAVATION POINT 2 BOTTOM (H501878-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/21/2015	ND	1.91	95.6	2.00	2.71		
Toluene*	<0.050	0.050	07/21/2015	ND	1.90	94.9	2.00	2.58		
Ethylbenzene*	<0.050	0.050	07/21/2015	ND	1.99	99.3	2.00	3.99		
Total Xylenes*	<0.150	0.150	07/21/2015	ND	5.20	86.7	6.00	3.71		
Total BTX	<0.300	0.300	07/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 85.6-137

Chloride, SM4500CI-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	07/21/2015	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/21/2015	ND	198	99.1	200	2.50	
DRO >C10-C28	<50.0	50.0	07/21/2015	ND	204	102	200	5.87	

Surrogate: 1-Chlorooctane 65.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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 claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

Rush

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ConocoPhillips Project Manager: Kyle Norman Address: 419 W Cain City: Hobbs State: NM Zip: 88240 Phone #: 575-393-2967 Fax #: 575-393-0293 Project #: Project Owner: Project Name: Col Project Location: MCA Battery #4 Sampler Name: Chris Flores				BILL TO P.O. #: Company: Basin Attn: Address: 419 W Cain City: Hobbs State: NM Zip: 88240 Phone #: 575-393-2967 Fax #: 575-393-0293				ANALYSIS REQUEST Chlorides TPH 8015 M BTEX Texas TPH Complete Cations/Anions TDS													
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME													
				GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER:																
	H501818	1. 2' Excavation Point 1 Bottom	G 1				7-20-2015	11:50 AM	X	X	X										
		2. 2' Excavation Point 2 Bottom	G 1				7-20-2015	11:55 AM	X	X	X										

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Relinquished By: Date: 7-20-2015 Time: 16:09	Received By: Received By: Date: 7/20/15 Time: 16:09	Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4.0°C Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: Add'l Fax #: REMARKS: email results: hconder@basinenv.com; knorman@basinenv.com; jkamplain@basinenv; lflores@basinenv; lweinheimer@basinenv; cursanic@basinenv; sedwards@basinenv environmental tech: cflores @basinenv
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#54



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

July 22, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: MCA BATTERY #4

Enclosed are the results of analyses for samples received by the laboratory on 07/21/15 15:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BASIN ENVIRONMENTAL - HOBBS
KYLE NORMAN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 393-0293

Received:	07/21/2015	Sampling Date:	07/21/2015
Reported:	07/22/2015	Sampling Type:	Soil
Project Name:	MCA BATTERY #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	COP		

Sample ID: 6" PASTURE SCRAPE PT. 1 BOTTOM (H501894-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2015	ND	2.03	102	2.00	2.87	
Toluene*	<0.050	0.050	07/22/2015	ND	2.00	99.8	2.00	1.55	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.10	105	2.00	0.261	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.49	91.4	6.00	0.436	
Total BTX	<0.300	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/22/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/22/2015	ND	200	99.8	200	1.21	
DRO >C10-C28	16.6	10.0	07/22/2015	ND	196	98.0	200	8.77	

Surrogate: 1-Chlorooctane 98.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.3 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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RPD	Relative Percent Difference
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Celey D. Keene, Lab Director/Quality Manager





101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

RUSH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: 		Date: 7-21-2015	Received By: 	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Date: 7/21/15	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)		Time: 15:46	Time: 5.8°C	REMARKS:	
Sampler - UPS - Bus - Other:		Sample Condition	CHECKED BY: (Initials)	email results:	
		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	hconder@basinenv.com; knorman@basinenv.com;	
				jkamplain@basinenv; lflores@basinenv; lweinheimer@basinenv;	
				cursanic@basinenv; sedwards@basinenv	
				environmental tech: cflores @basinenv	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#54



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

July 22, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: MCA BATTERY #4

Enclosed are the results of analyses for samples received by the laboratory on 07/21/15 15:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BASIN ENVIRONMENTAL - HOBBS
KYLE NORMAN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 393-0293

Received:	07/21/2015	Sampling Date:	07/21/2015
Reported:	07/22/2015	Sampling Type:	Soil
Project Name:	MCA BATTERY #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	COP		

Sample ID: 6" PASTURE SCRAPE PT. 2 BOTTOM (H501895-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2015	ND	2.03	102	2.00	2.87	
Toluene*	<0.050	0.050	07/22/2015	ND	2.00	99.8	2.00	1.55	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.10	105	2.00	0.261	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.49	91.4	6.00	0.436	
Total BTX	<0.300	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 85.6-137

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	07/22/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/22/2015	ND	200	99.8	200	1.21	
DRO >C10-C28	<10.0	10.0	07/22/2015	ND	196	98.0	200	8.77	

Surrogate: 1-Chlorooctane 94.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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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

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Celey D. Keene, Lab Director/Quality Manager






101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

BUSH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 		Date: 7-21-2015 Time:		Received By: 		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date: 7/21/15 Time: 15:46		Received By:		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) 	
REMARKS: email results: hconder@basinenv.com; knorman@basinenv.com; jkamplain@basinenv; lflores@basinenv; lweinheimer@basinenv; cursanic@basinenv; sedwards@basinenv environmental tech: cflores @basinenv							

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#54



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

July 31, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: MCA BATTERY #4

Enclosed are the results of analyses for samples received by the laboratory on 07/24/15 15:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BASIN ENVIRONMENTAL - HOBBS
KYLE NORMAN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 393-0293

Received: 07/24/2015
Reported: 07/31/2015
Project Name: MCA BATTERY #4
Project Number: NONE GIVEN
Project Location: COP

Sampling Date: 07/24/2015
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Celey D. Keene

Sample ID: IMPORTED BACKFILL (H501948-01)**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	07/30/2015	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

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RPD	Relative Percent Difference
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***	Insufficient time to reach temperature.
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Cardinal Laboratories

*=Accredited Analyte

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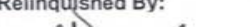


Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

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Relinquished By: 		Date: 7-24-2015 Time: 3:38p	Received By: 	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:
Relinquished By:		Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:
		Time:		REMARKS:
Delivered By: (Circle One)		Sample Condition		email results: hconder@basinenv.com; knorman@basinenv.com; jkamplain@basinenv; lflores@basinenv; lweinheimer@basinenv; cursanic@basinenv; sedwards@basinenv environmental tech: cflores @basinenv
Sampler - UPS - Bus - Other:		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		
		CHECKED BY: (Initials) 		

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#54

Appendix C

Photo Documentation

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

ConocoPhillips MCA Battery #4

Unit Letter A, Section 26, T17S, R32E



Initial release area, southwest

8/1/14



Initial release area, facing east

8/1/14



Excavated area, facing northwest

7/21/15



Excavated area, facing northeast

7/24/15



Importing top soil, facing southeast

7/24/15



Backfilling excavation, facing southwest

7/24/15



Seeding site, facing west

7/28/15



Completed site, facing south

7/28/15

Appendix D

Final C-141

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

District I
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

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: ConocoPhillips	Contact
Address: 29 Vacuum Complex Lane	Telephone No.
Facility Name: MCA Battery 4	Facility Type Battery
Surface Owner: BLM	Mineral Owner: NMOCD
API No. 30-025-12709	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	26	17S	32E	660	North	660	East	LEA

Latitude 32.8076533080148 Longitude -103.426925251861

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 17.5 BBLS	Volume Recovered: 8 BBLS
Source of Release Pressure switch	Date and Hour of Occurrence 7/30/2014 4:00 a.m.	Date and Hour of Discovery 7/30/2014 4:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking and Solomon Hughes	
By Whom? David May	Date and Hour: 7/30/2014 10:30 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

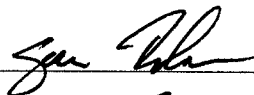
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

On Wednesday July 30, 2014 at 0400 hrs. MST a produced water release of 17.5 bbls occurred. A water hauler called MSO and notified him of a leak that was happening at MCA Battery 4. The heater treater water line on production heater had pressured up and started of a leak that was happening at MCA Battery 4 and blocked in the line to stop the leak. MSO had shut in all wells earlier in that night to prevent tank from overflowing due to of water pumps being down over night. Spill length is 63 ft. X 150. Ft X about 2 inches deep. The spill resulted in 17.5 bbls released and 8 bbls recovered. A work order has been submitted to repair the line. The area will be remediated according to NMOCD and COPC guidelines.

Describe Area Affected and Cleanup Action Taken.* The release area around Point 1 was scraped to 6 inches and Point 2 was excavated to 2 ft bgs. Two, discreet samples were taken from the bottom of the scrape and excavation and sent to a commercial laboratory for analysis. Laboratory analysis of Point 1 from the 6 inch scrape returned a chloride value of 32 mg/kg and GRO, DRO and BTEX values below regulatory standards. Laboratory analysis of Point 2 from the 6 inch scrape returned chloride, GRO, DRO and BTEX values of non-detect. From the 2 ft excavation, laboratory analysis of Point 1 returned a chloride value of non-detect and laboratory analysis of Point 2 returned a chloride value of 16 mg/kg. GRO, DRO and BTEX from both points returned values of non-detect. A total of 135 cubic yards of contaminated soil were exported and disposed of at a NMOCD approved facility. A total of 140 cubic yards of top soil were imported for backfill. A sample of the imported top soil was taken and sent to a commercial laboratory for analysis. Laboratory analysis returned a chloride level of non-detect. The site was backfilled with the clean, imported top soil and contoured to the surrounding location. The pasture area was then seeded with BLM #2 seed mix.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: SEAN ROBINSON		Approved by Environmental Specialist:	
Title: OPERATIONS SUPERVISOR		Approval Date:	Expiration Date:
E-mail Address: strubin@cop.com		Conditions of Approval:	
Date: 11/4/15	Phone: 505-390-8873	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary