

ConocoPhillips



CONOCOPHILLIPS

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

MCA Battery #4

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 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, discreet 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 discreet, 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 discreet samples would return values below regulatory standards. The two discreet, 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, 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 GROP, 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,

hyle Norma____

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

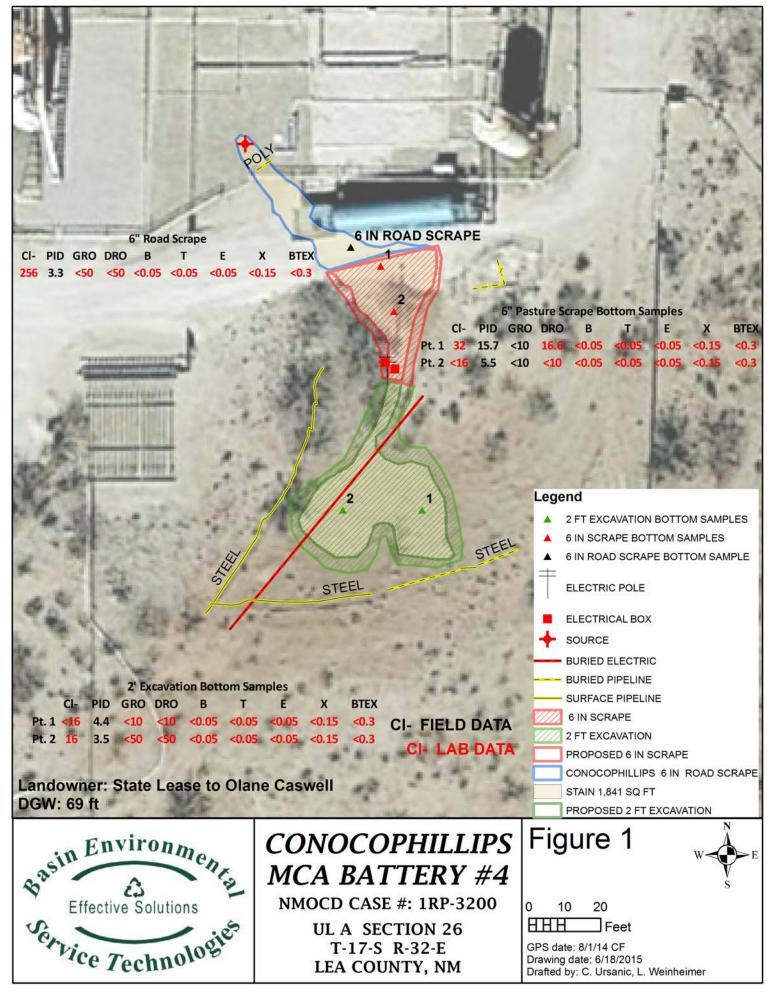
Attachments:

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



Appendix A Initial C-141

Basin Environmental Service Technologies P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967 HOBBS OCO State of New Mexico

Energy Minerals and Natural Resources

ゴレ **3 0 2014** Oil Conservation Division 1220 South St. Francis Dr. Form C-141 Revised August 8, 2011 Copy to appropriate District Office in

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

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		Complex L	ane			Telephone No. 575-391-3143 Facility Type: Battery								
Facility Na	me: MCA	Battery 4				Facility Typ								
Surface Ow	ner: BLM		· · ·	Mineral C	Owner N	IMOCD			API No. 3002512709					
				LOCA	ATION	N OF REI	LEASE							
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Appendix B Laboratory Analysis

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



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/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



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)

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	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 BTEX	<0.300	0.300	07/21/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	% 85.6-13	7						
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	07/21/2015	ND	432	108	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	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	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	88.0	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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)

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	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 BTEX	<0.300	0.300	07/21/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	85.6-13	7						
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	07/21/2015	ND	432	108	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	<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	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	90.0	% 52.1-17	6						

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

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 sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

cursanic@basinenv; sedwards@basinenv

environmental tech:

cflores @basinenv

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(505) 393-2326 FAX (505) 393-2476 (325) 673-70			1.14	-	-	170	and Mary				A	NAL	YSIS RE	QUEST			_
npany Name: ConocoPhillips		P.0), #:														
ject Manager: Kyle Norman		Cor	mpa	inv	Ba	isin						S					
Iress: 419 W Cain		Company: Basin Attn:										ō					
r: Hobbs State: NM Zip: 88240		Address: 419 W Cain									An			1.1			
one #: 575-393-2967 Fax #: 575-393-0293	-	City: Hobbs						Σ		I	s/I						
ject #: Project Owner:		State: NM Zip: 88240					Chlorides	2	×	Texas TPH	Cations/Anion	S					
jject Name: Col		-				5-393-29	67	rid	801	BTEX	5	ati	2				
pject Location: MCA Battery 774		-	-			3-0293		10	8	H H	xa		H				
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IR LAB USE ONLY									-			di					
Lab I.D. Sample I.D. 50/878 1. 2' Excountion Point 1 Bottom G I 2. 2' Excountion Point 2 Bottom G I		u	ASE:	ICE / COOL								Complete					
TAN TANK	1	OTHER :	CID/B	E/C	OTHER:	DATE	TIME									1	+
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			+		-			+	+	+	-	1					
					1	of to the amount pa	id by the client	for the		1	_	_					
EASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether bo alyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless ma	ed in con	g and re	eceiver	d by C	Cardina	al within 30 days after mention incurred by	er completion of client, its subsit	f the application of the file of the second se	icable								
rvice. In no event shall caronal or salle to the performance of services hereunder by Cardinal, regardless of whet	er such d	laim is l	based	upon.	any of	the above stated re	Phone R	esult:		Yes	No No		"I Phone #:				
Filiates or successors ansing out of or related to our Plantes: Received By:			1	÷ .			Fax Res	ult:		Yes	⊠ No	Add	"I Fax #:				
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CHECKED BY:

(Initials)

Sample Condition Cool Intact Yes Yes No No † Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

0

Time: 109

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Page 5 of 5



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/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



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)

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	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 BTEX	<0.300	0.300	07/22/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 %	85.6-13	7						
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	07/22/2015	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
Analyte GRO C6-C10	Result <10.0	Reporting Limit	Analyzed 07/22/2015	Method Blank ND	вs 200	% Recovery 99.8	True Value QC 200	RPD 1.21	Qualifier
			,			,	C C		Qualifier
GRO C6-C10	<10.0	10.0 10.0	07/22/2015 07/22/2015	ND	200	99.8	200	1.21	Qualifier

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

RDINAL 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

Company Name	npany Name: ConocoPhillips							BILL TO									A	NAL	YSIS	REC	JUES		 -
Project Manager					1			P.0	. #:														
Address: 419								Cor	npa	ny:	Ba	isin						ns					
City: Hobbs	State: NM	Zip	: 88	240)			Attr	n:									.ē					
Phone #: 575-3	93-2967 Fax #: 575-39	3-0	293					Add	dres	s: 4	19	W Cain			_			A					
Project #:	Project Owner	:						City	y: H	obb	OS			S	Σ		포	JS/					
Project Name: (CoP						_	Sta	te: I	NM	2	Zip: 88240		de	-22	×	半	õ	S				
Project Location	n: MCA Battery #4						_					5-393-29	67	Chlorides	8015	BTEX	Texas TPH	Cations/Anions	TDS				
Sampler Name:	Chris Flores	_	_	_				_	_	_	_	3-0293 SAMPLIN	10	드	НЧ	ш	Xe						
FOR LAB USE ONLY		a.'			M	ATRI	X		PRE	SER	<u></u>	SAMPLI	10	0	ЦЪ		μΨ	ete					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	NASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME					Complete					
UNIO	6" Pasture Scrape Point 1 Bottom	-	-			1				V	ł	7-21-2015	11: 30 AM	×	X	×						-	
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PLEASE NOTE: Liability and Demages. 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 Cordinal be fable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By:	Date: 7-21-2015 Received By:	Phone Result: I Yes I No Add"I Phone #: Fax Result: I Yes I No Add"I Fax #:
Mun The	Time: May Carcle	REMARKS:
Relinquished By:	Date: 21/15 Received By:	email results: hconder@basinenv.com; knorman@basinenv.com; jkamplain@basinenv; lflores@basinenv; lweinheimer@basinenv;
Delivered By: (Circle One)	Cool Intact (Initials)	cursanic@basinenv; sedwards@basinenv environmental tech: Clores @basinenv
Sampler - UPS - Bus - Other:	5. 8 Yes Pres Mon.	environmental tech: CHores @basinenv

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



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/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



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)

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	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 BTEX	<0.300	0.300	07/22/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	6 85.6-13	7						
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	07/22/2015	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	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	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	98.0	% 52.1-17	6						

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ARDINAL LABORATORIES

Company Name: ConocoPhillips				BI	44 70						ANAL	YSIS	REC	UEST			
Project Manager: Kyle Norman		P.0	0. #:														
Address: 419 W Cain		Co	mpa	ny: E	Basin		1				S						
City: Hobbs State: NM Zip: 88240		Att	tn:				1				no						
Phone #: 575-393-2967 Fax #: 575-393-0293		Ad	dres	s: 41	19 W Cain		1				Cations/Anions						
Project #: Project Owner:		Cit	City: Hobbs		Σ			-	- 4								
Project Name: CoP			State: NM Zip: 88240 C Phone #: 575-393-2967 T T Fax #: 575-393-0293 T T PRESERV SAMPLING C		es			百	Suc								
Project Location: MCA Battery #4					<u>.</u>	8015	BTEX	Texas TPH	tic	TDS							
Sampler Name: Chris Flores		-			93-0293		2	8	H	as	ů	님					
FOR LAB USE ONLY	TRIX			SERV		NG	5	TPH	-	e.							
Tap I'D' Samble I'D' ROUNDWATER MOLON MARTER	OIL	OTHER :	ACID/BASE:	ICE / COOL OTHER :		TIME					Complete						
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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 incumed 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:	5	Phone Result: Fax Result:		☑ No ☑ No	Add'l Phone #: Add'l Fax #:	
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	15:40		ikamplain@	basinen	v: Iflor	es@basinenv; lweinheim	er@basinenv:
Delivered By: (Circle One)	Sample/Condition	CHECKED BY:				vards@basinenv	er Gradinerri,
Sampler - UPS - Bus - Other:	5.8c Cool Intact Pres Pres No No	(Initials)	environment			<u> </u>	@basinenv

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



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/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



Analytical Results For:

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

Received:	07/24/2015	Sampling Date:	07/24/2015
Reported:	07/31/2015	Sampling Type:	Soil
Project Name:	MCA BATTERY #4	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	COP		

Sample ID: IMPORTED BACKFILL (H501948-01)

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	07/30/2015	ND	416	104	400	0.00	

Cardinal Laboratories

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim 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 whatscever 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 whose shall be instrumed by client, its subsidiaries, affiliates or successor 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.

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, H	Hobbs, NM 8	38240	2111 Beechwood,	Abilene,	IX	79603

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name:	ConocoPhillips									E	11	1 70					1	ANAL	YSIS	RE	QUES	ST								
Project Manager	r: Kyle Norman							P.(), #:																					
Address: 419				-	-			Co	mpa	any:	Ba	asin						SC												
City: Hobbs	State: NM	Zip	: 88	240	i			Att	in:									io I												
Phone #: 575-3	393-2967 Fax #: 575-3	93-02	293					Ad	Address: 419 W Cain			_			An	- 1					- 1									
Project #:	Project Owne	r:						Cit	City: Hobbs		S	Σ		포	S/															
Project Name:	608											State: NM Zip: 88240		State: NM Zip: 88240					de	15	×	臣	ior	S					- 1	
Project Location	1: MCA Battery #4							Phone #: 575-393-2967		State: NM Zip: 88240 D Phone #: 575-393-2967 C Fax #: 575-393-0293 C PRESERV SAMPLING C			80	BTEX	BIEX Texas TPH	Cations/Anions	TDS					- 1								
Sampler Name: FOR LAB USE ONLY	Chris Flores	_	_			IATRI		Fa	-	575	_	3-0293 SAMPLI	10	Ē	II	m	Xe		F											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Ē			Complete													
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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 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 consequental 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, regarding of whether such claip is based upon any of the above stated reasons or otherwise.

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	Time:	U		jkamplain@	basinen	v; Iflor	res@basinenv; Iweinheimer@basinenv;
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	cursanic@b	basinenv	: sedv	vards@basinenv
Sampler - UPS - Bus - Other:	15.20	Cool Intact	(Initials)	environmen			cflores @basinenv

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

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



Excavated area, facing northwest



Initial release area, facing east

8/1/14



Excavated area, facing northeast

7/24/15



Importing top soil, facing southeast

7/24/15



Seeding site, facing west

7/28/15



Backfilling excavation, facing southwest

7/24/15



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

Form C-141 Revised August 8, 2011

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

Santa Fe, NM 87505												
Release Notification and Corrective Action												
					OPERATOR] Initia	l Report	\boxtimes	Final Report	
Name of Company: ConocoPhillips						Contact						
Address: 29 Vacuum Complex Lane						Telephone No.						
Facility Na	me: MCA	A Battery 4		Facility Type Battery								
Surface Ow	mer: BL	M	NMOCD			API No. 30-025-12709						
,					ATIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	East/West Line		County			
A	26	17S	32E	660	North		660	East		LEA		
Latitude 32.8076533080148 Longitude -103.426925251861												
						OF REL						
Type of Release: Spill							Volume of Release: 17.5 BBLS Volum			e Recovered: 8 BBLS		
Source of Release Pressure switch						Date and Hour of Occurrence D			Date and Hour of Discovery			
Was Immedi	ate Notice (Jiven?	7/30/2014 4:00 a.m. 7/30/2014 4:00 a.m. If YES, To Whom?									
		\boxtimes] No 🔲 Not R	equired								
By Whom? David May						Date and Hour: 7/30/2014 10:30 a.m.						
Was a Watercourse Reached?						If YES, Volume Impacting the Watercourse.						
If a Watercon	urse was Im	pacted, Descr	ibe Fully.'	*								
being down of has been sub	over night. S mitted to rep	Spill length is pair the line.	63 ft. X 1 The area v	50. Ft X about 2 vill be remediated	inches d l accordi	eep. The spi ng to NMOC	ll resulted in 17.5 D and COPC guid	bbls releas lelines.	sed and 8	bbls recove	ered. A	work order
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 GROP, 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 r												
Signature:	San	- al			OIL CONSERVATION DIVISION							
Printed Name: SEAN ROBINSON						Approved by Environmental Specialist:						
Title: 0	<i>RELATION</i>	s Su	RELIT	50 p		Approval Dat	e:	Exp	oiration I	Date:		
Title: 0 E-mail Addre Date: 11 4	1	bin e e		n 575-340-6		Conditions of	Approval:			Attached		

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 * Attach Additional Sheets If Necessary