



CONOCOPHILLIPS

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

MCA Station 1

Termination Request

API No. 30-025-00783

Release Date: April 19th, 2012

Unit Letter A, Section 30, Township 17S, Range 32E

May 13th, 2014

Geoffrey Leking

New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau – District 1
1625 N. French Dr.
Hobbs, NM 88240-9273

**RE: Termination Request
ConocoPhillips MCA Station 1
UL/A sec. 30 T17S R32E
API No. 30-025-00783**

Mr. Leking:

ConocoPhillips (CoP) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 3.7 miles southwest of Maljamar, New Mexico at UL/A sec. 30 T17S R32E. Soil bore installation activities at the site suggested that groundwater occurs at a depth of approximately 105 ft bgs.

On April 19th, 2012, CoP had a release of 40 barrels of crude oil and 28 barrels of produced water from a water tank. Trash had gotten lodged in the transfer pump, which blocked fluid movement. Water levels rose in the South Water Tank until it overflowed. A total of 36,274 square feet of battery pad, lease road and pasture land was affected. Vacuum trucks were called to the site and recovered 50 barrels of fluid. NMOCD and BLM were notified of the release on April 19th, 2012, and an initial C-141 was sent to NMOCD for their approval (Appendix A).

Prior to RECS receiving the site from CoP, another environmental company completed initial assessment activities. Based on that company's assessment, a Corrective Action Plan (CAP) was submitted to NMOCD and BLM. NMOCD approved the CAP on March 13th, 2013, and BLM approved the CAP on March 22nd, 2013.

RECS personnel were on site beginning on February 25th, 2014, to begin the approved CAP work (Figure 1). The release area to the east was excavated to a depth of 10 ft bgs. Once the excavation was completed, wall samples were taken and field tested for chlorides and organic vapors. Representative wall samples were sent to a commercial laboratory to verify that all constituents were below regulatory standards (Appendix B). The release area to the west was excavated to a depth of 3 ft bgs. At 3 ft bgs, a 5 point composite at the base of the excavation was field tested for chlorides and organic vapors. Since the field sampling returned clean data,

further excavation on the west side ceased. The 5 point composite at the base of the excavation was taken to a commercial laboratory to confirm that all constituents were below regulatory standards. Wall samples were taken throughout the final west excavation and field tested for chlorides and organic vapors. Representative wall samples were taken to a commercial laboratory to confirm that all constituents were below regulatory standards (Appendix C).

A total of 3,698 yards³ of contaminated soil was taken to a NMOCD approved facility for disposal. A total of 420 yards³ of clay was imported to the site to serve as a clay liner in the east excavation. Another 3,348 yards³ of top soil was imported to the site to serve as backfill. A sample of the imported top soil was taken to a commercial laboratory for analysis and returned a chloride value of non-detect (Appendix D).

A 2 ft clay liner was installed into the base of the east excavation. Then both excavations were backfilled with the imported top soil to the surface and contoured to the surrounding location. On April 25th, 2014, the site was seeded with BLM mix #2.

Photo documentation of all CAP activities can be found in Appendix E.

Given that CoP excavated the east side of the release to 10 ft bgs and the west side of the release to clean, installed a clay liner in the east excavation, backfilled and seeded, CoP respectfully requests 'remediation termination' and site closure. A final C-141 can be found in Appendix F.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,



Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

- Figure 1 – Excavation Data
- Appendix A – Initial C-141
- Appendix B – East Side Excavation Labs
- Appendix C – West Side Excavation Labs
- Appendix D – Imported Soil Lab
- Appendix E – Photo Documentation
- Appendix F – Final C-141

Figures

Excavation Data

	CI-	PID	GRO	DRO	B	T	E	X	BTEX
North Wall East	176	24.8	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.30
South Wall Center	176	24.8	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.30
East Wall Center	64	40.4	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.30
West Wall Center	128	54.1	<10	10.3	<0.05	<0.05	<0.05	<0.15	<0.30

Imported Soil Lab CI-
<16.0

	CI-	GRO	DRO	B	T	E	X	BTEX
5 Point Bottom Comp	240	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.30



Landowner: BLM
DGW: 105 FT

Final Wall Samples

	CI-	PID	GRO	DRO	B	T	E	X	BTEX
Point 1 East Wall	16	4.1	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
Point 2 South Wall	16	2.8	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
Point 3 South Wall	32	6.2	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
Point 4 West Wall	64	6.1	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
Point 5 West Wall	32	7.9	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
Point 7 West Wall	141	33.8							
Point 8 West Wall	96	64.5	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
Point 9 West Wall	172	84.4							
Point 10 West Wall	<16	10.9	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
Point 11 West Wall	117	11.7							
Point 12 West Wall	128	12.1	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3

Legend

- ▲ 5 PT. BOTTOM COMP
- ▲ FINAL WALL SAMPLES
- ⊥ ELECTRICAL POLE
- BURIED PIPELINE
- OVERHEAD ELECTRIC
- SURFACE PIPELINE
- EXCAVATION @ 3 FT
- EXCAVATION @ 10 FT
- RELEASE (36,274 sq ft)
- REMEDIATED

Source: Esri, DigitalGlobe, GeoEye, i-cu
Getmapping, Aerogrid, IGN, IGP, swisst



**CONOCOPHILLIPS
MCA STATION 1**

UL A SECTION 30
T-17-S R-32-E
LEA COUNTY, NM

Figure 1

Drawing date: 3/11/14
Drafted by: L. Weinheimer

Appendix A

Initial C-141

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

*Have Approval of written plan
Need AFE*

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company ConocoPhillips Company	Contact John W. Gates
Address 3300 North A St. Bldg 6, Midland, TX 79705-5406	Telephone No. 505.391.3158
Facility Name MCA Station I	Facility Type Oil and Gas
Surface Owner Federal	Mineral Owner Federal
Lease No LC-0601995	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	30	17S	32E					Lea

Latitude Longitude

NATURE OF RELEASE

Type of Release Crude Oil & Produced Water	Volume of Release 68bbl (40oil, 28water)	Volume Recovered (30oil, 20water)
Source of Release Thief Hatch on south water tank	Date and Hour of Occurrence 04/19/2012 0400	Date and Hour of Discovery 04/19/2012 0630
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Trishia Bad Bear (BLM) & Geoffrey Leking (NMOCD)	
By Whom? JustinWright	Date and Hour 04/19/2012 0700	
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.*

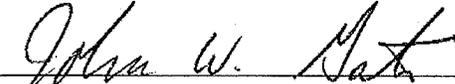
Describe Cause of Problem and Remedial Action Taken.*

Spill was caused by the north transfer pump getting trash in the pump which caused the pump to not move any fluid. Water level climbed resulting in tank overflow. Spill site will be delineated/remediated in accordance with BLM & NMOCD guidelines

Describe Area Affected and Cleanup Action Taken.*

180' x 35', 165' x 20', 65' x 20', 145' x 6', 110' x 80' area of facility pad and road. Each area is 1" deep. Vacuum truck was called and ~30 bbls of oil and ~20 bbls of produced water was recovered

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: John W. Gates	Approved by District Supervisor:	
Title: HSER Lead	Approval Date:	Expiration Date:
E-mail Address: John.W.Gates@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4/20/2012	Phone: 505.391.3158	

• Attach Additional Sheets If Necessary

Appendix B

East Side Excavation Labs

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



March 05, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA STATION #1

Enclosed are the results of analyses for samples received by the laboratory on 03/04/14 9:30.

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 cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/04/2014	Sampling Date:	02/28/2014
Reported:	03/05/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: PT. 1 EAST WALL (H400644-01)

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2014	ND	2.38	119	2.00	1.15		
Toluene*	<0.050	0.050	03/05/2014	ND	2.32	116	2.00	0.230		
Ethylbenzene*	<0.050	0.050	03/05/2014	ND	2.17	109	2.00	2.08		
Total Xylenes*	<0.150	0.150	03/05/2014	ND	6.57	109	6.00	1.83		
Total BTEX	<0.300	0.300	03/05/2014	ND						

Surrogate: Dibromofluoromethane 99.9 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 109 % 65.7-141

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	03/05/2014	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/05/2014	ND	205	102	200	6.43		
DRO >C10-C28	<10.0	10.0	03/05/2014	ND	194	97.0	200	9.21		

Surrogate: 1-Chlorooctane 92.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.3 % 63.6-154

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:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/04/2014	Sampling Date:	02/28/2014
Reported:	03/05/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: PT. 2 SOUTH WALL (H400644-02)

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2014	ND	2.38	119	2.00	1.15		
Toluene*	<0.050	0.050	03/05/2014	ND	2.32	116	2.00	0.230		
Ethylbenzene*	<0.050	0.050	03/05/2014	ND	2.17	109	2.00	2.08		
Total Xylenes*	<0.150	0.150	03/05/2014	ND	6.57	109	6.00	1.83		
Total BTEX	<0.300	0.300	03/05/2014	ND						

Surrogate: Dibromofluoromethane 97.3 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

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	03/05/2014	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/05/2014	ND	205	102	200	6.43		
DRO >C10-C28	<10.0	10.0	03/05/2014	ND	194	97.0	200	9.21		

Surrogate: 1-Chlorooctane 73.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 77.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/04/2014	Sampling Date:	02/28/2014
Reported:	03/05/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: PT. 3 SOUTH WALL (H400644-03)

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2014	ND	2.38	119	2.00	1.15		
Toluene*	<0.050	0.050	03/05/2014	ND	2.32	116	2.00	0.230		
Ethylbenzene*	<0.050	0.050	03/05/2014	ND	2.17	109	2.00	2.08		
Total Xylenes*	<0.150	0.150	03/05/2014	ND	6.57	109	6.00	1.83		
Total BTEX	<0.300	0.300	03/05/2014	ND						

Surrogate: Dibromofluoromethane 98.4 % 61.3-142

Surrogate: Toluene-d8 98.7 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

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	03/05/2014	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/05/2014	ND	205	102	200	6.43		
DRO >C10-C28	<10.0	10.0	03/05/2014	ND	194	97.0	200	9.21		

Surrogate: 1-Chlorooctane 73.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 75.8 % 63.6-154

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



Celey D. Keene, Lab Director/Quality Manager



March 05, 2014

KYLE NORMAN
RICE ENVIRONMENTAL CONSULTING & SAFETY LLC
419 W. CAIN
HOBBS, NM 88240

RE: MCA STATION #1

Enclosed are the results of analyses for samples received by the laboratory on 03/04/14 16:30.

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:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/04/2014	Sampling Date:	03/04/2014
Reported:	03/05/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: POINT 4 WEST WALL (H400661-01)

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2014	ND	2.24	112	2.00	0.979	
Toluene*	<0.050	0.050	03/05/2014	ND	2.33	117	2.00	0.332	
Ethylbenzene*	<0.050	0.050	03/05/2014	ND	2.28	114	2.00	2.39	
Total Xylenes*	<0.150	0.150	03/05/2014	ND	6.91	115	6.00	1.92	
Total BTEX	<0.300	0.300	03/05/2014	ND					

Surrogate: Dibromofluoromethane 94.6 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/05/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/05/2014	ND	208	104	200	7.01	
DRO >C10-C28	<10.0	10.0	03/05/2014	ND	204	102	200	6.86	

Surrogate: 1-Chlorooctane 94.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.4 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/04/2014	Sampling Date:	03/04/2014
Reported:	03/05/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: POINT 5 WEST WALL (H400661-02)

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2014	ND	2.24	112	2.00	0.979		
Toluene*	<0.050	0.050	03/05/2014	ND	2.33	117	2.00	0.332		
Ethylbenzene*	<0.050	0.050	03/05/2014	ND	2.28	114	2.00	2.39		
Total Xylenes*	<0.150	0.150	03/05/2014	ND	6.91	115	6.00	1.92		
Total BTEX	<0.300	0.300	03/05/2014	ND						

Surrogate: Dibromofluoromethane 95.5 % 61.3-142

Surrogate: Toluene-d8 105 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

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	03/05/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/05/2014	ND	208	104	200	7.01		
DRO >C10-C28	<10.0	10.0	03/05/2014	ND	204	102	200	6.86		

Surrogate: 1-Chlorooctane 82.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 84.8 % 63.6-154

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



Celey D. Keene, Lab Director/Quality Manager



March 21, 2014

KYLE NORMAN
RICE ENVIRONMENTAL CONSULTING & SAFETY LLC
419 W. CAIN
HOBBS, NM 88240

RE: MCA STATION #1

Enclosed are the results of analyses for samples received by the laboratory on 03/20/14 8:07.

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 cursive script that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/20/2014	Sampling Date:	03/17/2014
Reported:	03/21/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: POINT 8 WEST WALL (H400841-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2014	ND	2.21	110	2.00	4.86	
Toluene*	<0.050	0.050	03/20/2014	ND	2.10	105	2.00	4.55	
Ethylbenzene*	<0.050	0.050	03/20/2014	ND	2.05	102	2.00	4.60	
Total Xylenes*	<0.150	0.150	03/20/2014	ND	5.88	98.0	6.00	4.52	
Total BTEX	<0.300	0.300	03/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/20/2014	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/20/2014	ND	214	107	200	7.24	
DRO >C10-C28	<10.0	10.0	03/20/2014	ND	191	95.3	200	8.07	

Surrogate: 1-Chlorooctane 134 % 65.2-140
Surrogate: 1-Chlorooctadecane 150 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/20/2014	Sampling Date:	03/18/2014
Reported:	03/21/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: POINT 10 EAST WALL (H400841-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2014	ND	2.21	110	2.00	4.86		
Toluene*	<0.050	0.050	03/20/2014	ND	2.10	105	2.00	4.55		
Ethylbenzene*	<0.050	0.050	03/20/2014	ND	2.05	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	03/20/2014	ND	5.88	98.0	6.00	4.52		
Total BTEX	<0.300	0.300	03/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

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	03/20/2014	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/20/2014	ND	214	107	200	7.24		
DRO >C10-C28	<10.0	10.0	03/20/2014	ND	191	95.3	200	8.07		

Surrogate: 1-Chlorooctane 136 % 65.2-140

Surrogate: 1-Chlorooctadecane 151 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/20/2014	Sampling Date:	03/19/2014
Reported:	03/21/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: POINT 12 NORTH WALL (H400841-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2014	ND	2.21	110	2.00	4.86		
Toluene*	<0.050	0.050	03/20/2014	ND	2.10	105	2.00	4.55		
Ethylbenzene*	<0.050	0.050	03/20/2014	ND	2.05	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	03/20/2014	ND	5.88	98.0	6.00	4.52		
Total BTEX	<0.300	0.300	03/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/20/2014	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/21/2014	ND	214	107	200	7.24		
DRO >C10-C28	<10.0	10.0	03/21/2014	ND	191	95.3	200	8.07		

Surrogate: 1-Chlorooctane 80.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.7 % 63.6-154

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



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: RECS		BILL TO		ANALYSIS REQUEST																																			
Project Manager: Kyle Norman		P.O. #:		<table border="1"> <tr><td>Chlorides</td><td>TPH 8015 M</td><td>BTEX</td><td>Texas TPH</td><td>Complete Cations/Anions</td><td>TDS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>										Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS																				
Chlorides	TPH 8015 M	BTEX	Texas TPH											Complete Cations/Anions	TDS																								
Address:		Company:																																					
City: Hobbs State: NM Zip: 88240		Attn:																																					
Phone #: Fax #:		Address:																																					
Project #: Project Owner:		City:																																					
Project Name: Conaco Phillips		State: Zip:																																					
Project Location: MCA Station 1		Phone #:																																					
Sampler Name: Chris Flores		Fax #:																																					
FOR LAB USE ONLY																																							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV		SAMPLING																													
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																									
H400841																																							
1	Point 8 west wall	G	1			<input checked="" type="checkbox"/>							3-18-14	11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																						
2	Point 10 East wall	G	1			<input checked="" type="checkbox"/>							3-18-14	9:50AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																						
3	Point 12 North wall	G	1			<input checked="" type="checkbox"/>							3-19-14	11:05AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																						

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Relinquished By:	Date: 3-20-2014	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
<i>Chris Flores</i>	Time: 8:07	<i>Jodi Henson</i>	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		email results hcondere@ lweinheimer@ knorman@ lflores@ cflores@	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	(Initials)		

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

#54

Appendix C

West Side Excavation Labs

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



March 25, 2014

KYLE NORMAN
RICE ENVIRONMENTAL CONSULTING & SAFETY LLC
419 W. CAIN
HOBBS, NM 88240

RE: MCA STATION #1

Enclosed are the results of analyses for samples received by the laboratory on 03/21/14 12:47.

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 cursive script that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/21/2014	Sampling Date:	03/21/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	CONOCO PHILLIPS		

Sample ID: 5 PT. BOTTOM COMP (H400858-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2014	ND	2.07	104	2.00	12.1	
Toluene*	<0.050	0.050	03/21/2014	ND	1.99	99.3	2.00	11.8	
Ethylbenzene*	<0.050	0.050	03/21/2014	ND	1.94	96.8	2.00	11.8	
Total Xylenes*	<0.150	0.150	03/21/2014	ND	5.63	93.8	6.00	11.2	
Total BTEX	<0.300	0.300	03/21/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/24/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/24/2014	ND	201	101	200	2.43	
DRO >C10-C28	<10.0	10.0	03/24/2014	ND	201	100	200	3.00	

Surrogate: 1-Chlorooctane 76.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.1 % 63.6-154

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:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/21/2014	Sampling Date:	03/21/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	CONOCO PHILLIPS		

Sample ID: NORTH WALL EAST (H400858-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2014	ND	2.07	104	2.00	12.1	
Toluene*	<0.050	0.050	03/21/2014	ND	1.99	99.3	2.00	11.8	
Ethylbenzene*	<0.050	0.050	03/21/2014	ND	1.94	96.8	2.00	11.8	
Total Xylenes*	<0.150	0.150	03/21/2014	ND	5.63	93.8	6.00	11.2	
Total BTEX	<0.300	0.300	03/21/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/24/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/24/2014	ND	201	101	200	2.43	
DRO >C10-C28	<10.0	10.0	03/24/2014	ND	201	100	200	3.00	

Surrogate: 1-Chlorooctane 82.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 85.4 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/21/2014	Sampling Date:	03/21/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	CONOCO PHILLIPS		

Sample ID: SOUTH WALL CENTER (H400858-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2014	ND	2.07	104	2.00	12.1		
Toluene*	<0.050	0.050	03/21/2014	ND	1.99	99.3	2.00	11.8		
Ethylbenzene*	<0.050	0.050	03/21/2014	ND	1.94	96.8	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/21/2014	ND	5.63	93.8	6.00	11.2		
Total BTEX	<0.300	0.300	03/21/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/24/2014	ND	201	101	200	2.43		
DRO >C10-C28	<10.0	10.0	03/24/2014	ND	201	100	200	3.00		

Surrogate: 1-Chlorooctane 85.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.6 % 63.6-154

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:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/21/2014	Sampling Date:	03/21/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	CONOCO PHILLIPS		

Sample ID: EAST WALL CENTER (H400858-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2014	ND	2.07	104	2.00	12.1		
Toluene*	<0.050	0.050	03/21/2014	ND	1.99	99.3	2.00	11.8		
Ethylbenzene*	<0.050	0.050	03/21/2014	ND	1.94	96.8	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/21/2014	ND	5.63	93.8	6.00	11.2		
Total BTEX	<0.300	0.300	03/21/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	03/24/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/24/2014	ND	201	101	200	2.43		
DRO >C10-C28	<10.0	10.0	03/24/2014	ND	201	100	200	3.00		

Surrogate: 1-Chlorooctane 68.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 79.4 % 63.6-154

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:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/21/2014	Sampling Date:	03/21/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	CONOCO PHILLIPS		

Sample ID: WEST WALL CENTER (H400858-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2014	ND	2.07	104	2.00	12.1	
Toluene*	<0.050	0.050	03/21/2014	ND	1.99	99.3	2.00	11.8	
Ethylbenzene*	<0.050	0.050	03/21/2014	ND	1.94	96.8	2.00	11.8	
Total Xylenes*	<0.150	0.150	03/21/2014	ND	5.63	93.8	6.00	11.2	
Total BTEX	<0.300	0.300	03/21/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/24/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/24/2014	ND	201	101	200	2.43	
DRO >C10-C28	10.3	10.0	03/24/2014	ND	201	100	200	3.00	

Surrogate: 1-Chlorooctane 79.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.6 % 63.6-154

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



Celey D. Keene, Lab Director/Quality Manager



March 26, 2014

KYLE NORMAN
RICE ENVIRONMENTAL CONSULTING & SAFETY LLC
419 W. CAIN
HOBBS, NM 88240

RE: MCA STATION #1

Enclosed are the results of analyses for samples received by the laboratory on 03/25/14 15:05.

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 cursive script that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/25/2014	Sampling Date:	03/25/2014
Reported:	03/26/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: EAST WALL CENTER (H400883-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/25/2014	ND	1.97	98.3	2.00	9.72	
Toluene*	<0.050	0.050	03/25/2014	ND	1.87	93.7	2.00	9.34	
Ethylbenzene*	<0.050	0.050	03/25/2014	ND	1.84	91.8	2.00	8.67	
Total Xylenes*	<0.150	0.150	03/25/2014	ND	5.40	90.0	6.00	7.38	
Total BTEX	<0.300	0.300	03/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/26/2014	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	03/26/2014	ND	218	109	200	6.66	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	196	98.2	200	0.812	

Surrogate: 1-Chlorooctane 102 % 65.2-140
Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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

QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
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



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: RECS		BILL TO				ANALYSIS REQUEST																				
Project Manager: Kyle Norman		P.O. #:				Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS															
Address:		Company:																								
City: Hobbs State: NM Zip: 88240		Attn:																								
Phone #: Fax #:		Address:																								
Project #: Project Owner:		City:																								
Project Name: Conoco Phillips		State: Zip:																								
Project Location: MCA Station 1		Phone #:																								
Sampler Name: Chris Flores		Fax #:																								
FOR LAB USE ONLY		MATRIX		PRESERV.	SAMPLING																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER							SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME						
H400883	1	G	1			<input checked="" type="checkbox"/>							3-25-2014	1:30 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									

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: <i>Chris Flores</i>	Date: 3-25-2014	Received By: <i>Jodi Benson</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: 3:05		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		email results	
Delivered By: (Circle One)	Sample Condition	CHECKED BY: <i>[Signature]</i>	<i>hander@</i>	
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		<i>1 Flores@</i>	
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<i>knorman@</i>	
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<i>cflores</i>	
			<i>Weinheimer@</i>	

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

#45

Appendix D

Imported Soil Lab

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



March 31, 2014

KYLE NORMAN
RICE ENVIRONMENTAL CONSULTING & SAFETY LLC
419 W. CAIN
HOBBS, NM 88240

RE: MCA STATION #1

Enclosed are the results of analyses for samples received by the laboratory on 03/25/14 15:05.

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 style with a large, flowing "C" and "K".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/25/2014	Sampling Date:	03/25/2014
Reported:	03/31/2014	Sampling Type:	Soil
Project Name:	MCA STATION #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

Sample ID: IMPORTED SOIL (H400884-01)

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	03/28/2014	ND	416	104	400	0.00	

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



Celey D. Keene, Lab Director/Quality Manager

Appendix E

Photo Documentation

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

ConocoPhillips MCA Station 1

Unit Letter A, Section 30, T17S, R32E



Begin excavating east side, facing northwest 2/25/14



Exporting soil, facing north 2/26/14



Continue excavating east site, facing south 2/28/14



East excavation completed, facing northeast 3/20/14



Begin excavating the west side, facing north 3/20/14



West excavation completed, facing southwest 3/21/14



Importing clay, facing southwest 3/21/14



Installing clay liner in east excavation, facing northeast 3/21/14



Clay liner installed in east excavation, facing north
3/25/14



Importing top soil, facing north
3/25/14



Backfilling east excavation with top soil, facing north
3/27/14



Backfilling of east excavation completed, facing northeast
4/3/14



Backfilling of west excavation completed, facing northeast 4/3/14



Tilling site prior to seeding, facing north 4/25/14



Seeding site with BLM #2, facing south 4/25/14



Tilling in seed, facing southeast 4/25/14



East side completed, facing north

4/25/14



West side completed, facing northeast

4/25/14

Appendix F

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 Company	Contact Sean Robinson
Address 3300 North A St. Bldg 6, Midland, TX 79705-5406	Telephone No. 575-391-3147
Facility Name MCA Station I	Facility Type Oil and Gas

Surface Owner Federal	Mineral Owner Federal	API No. 30-025-00783
-----------------------	-----------------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	30	17S	32E					Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

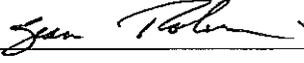
Type of Release Crude Oil & Produced Water	Volume of Release 68bbls (40 oil, 28 water)	Volume Recovered (30 oil, 20 water)
Source of Release Thief Hatch on south water tank	Date and Hour of Occurrence 04/19/2012 0400	Date and Hour of Discovery 04/19/2012 0630
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Trisha Bad Bear (BLM) & Geoffrey Leking (NMOCD)	
By Whom? Justin Wright	Date and Hour 04/19/2012 0700	
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.* Spill was caused by the north transfer pump getting trash in the pump which caused the pump to not move any fluid. Water level climbed resulting in tank overflow. Vacuum trucks were called to the site and removed 50 barrels of fluid.

Describe Area Affected and Cleanup Action Taken.* A total of 36,274 square feet of battery pad, lease road and pasture land was affected. Prior to RECS receiving the site from CoP, another environmental company completed initial assessment activities. Based on that company's assessment, a Corrective Action Plan (CAP) was submitted to NMOCD and BLM. NMOCD approved the CAP on March 13th, 2013 and BLM approved the CAP on March 22nd, 2013. RECS personnel were on site beginning on February 25th, 2014, to begin the approved CAP work. The release area to the east was excavated to a depth of 10 ft bgs. Once the excavation was completed, wall samples were taken and field tested for chlorides and organic vapors. Representative wall samples were sent to a commercial laboratory to verify that all constituents were below regulatory standards. The release area to the west was excavated to a depth of 3 ft bgs. At 3 ft bgs, a 5 point composite at the base of the excavation was field tested for chlorides and organic vapors. Since the field sampling returned clean data, further excavation on the west side ceased. The 5 point composite at the base of the excavation was taken to a commercial laboratory to confirm that all constituents were below regulatory standards. Wall samples were taken throughout the final west excavation and field tested for chlorides and organic vapors. Representative wall samples were taken to a commercial laboratory to confirm that all constituents were below regulatory standards. A total of 3,698 yards³ of contaminated soil was taken to a NMOCD approved facility for disposal. A total of 420 yards³ of clay was imported to the site to serve as a clay liner in the east excavation. Another 3,348 yards³ of top soil was imported to the site to serve as backfill. A sample of the imported top soil was taken to a commercial laboratory for analysis and returned a chloride value of non-detect. A 2 ft clay liner was installed into the base of the east excavation. Both excavations were then backfilled with the imported top soil to the surface and contoured to the surrounding location. On April 25th, 2014, the site was seeded with BLM mix #2.

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: Sean.T.Robinson@cop.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 5-13-14	Phone: 575-391-3147		

* Attach Additional Sheets If Necessary