



**RECEIVED**

*By JKeyes at 8:04 am, Oct 01, 2015*

**APPROVED**

*By JKeyes at 8:04 am, Oct 01, 2015*

Stipulations:

1. Discreet samples only
2. Ensure BLM concurrence/approval.

# CONOCOPHILLIPS

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

Meyer B-31 #006  
(1RP-3484)

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## Corrective Action Plan

API No. 30-025-35143

Release Date: December 29<sup>th</sup>, 2014

Unit Letter C, Section 31, Township 20S, Range 38E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

**September 30, 2015**

**Kelly Jones**

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

**RE: Corrective Action Plan  
ConocoPhillips Meyer B-31 #006 (1RP-3484)  
UL/C sec. 31 T20S R38E  
API No. 30-025-35143**

Ms. Jones:

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

### **Background and Previous Work**

The site is located approximately 7.6 miles southwest of Monument, New Mexico at UL/C sec. 31 T20S R38E. NM OSE, BLM and Basin installed monitor well records indicate that groundwater will likely be encountered at a depth of approximately 75 +/- feet.

On December 29<sup>th</sup>, 2014, CoP discovered a release from a circulating line that had frozen and split. A total of 5.5 barrels of oil were released over 319 sq ft of lease pad. A total of 2 barrels of this fluid was recovered. A temporary clamp was installed and the valves shut off. BLM and NMOCD were notified of the release on December 31<sup>st</sup>, 2014, and an initial C-141 was submitted to both parties. NMOCD approved the initial C-141 January 7<sup>th</sup>, 2015 (Appendix A).

Basin personnel were on site to assess the release on January 5<sup>th</sup>, 2015. The release was mapped and photographed (Figure 1). On August 18<sup>th</sup>, 2015, samples were taken at the surface and with depth and representative samples were sent to a commercial laboratory for analysis (Appendix C). Laboratory analysis of Point 1 at the surface and at 6 inches bgs returned chloride, Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and BTEX values of non-detect. Laboratory analysis of Point 2 at the surface returned a chloride value of 32 mg/kg, a GRO value of 125 mg/kg, a DRO value of 17,800 mg/kg and BTEX values of non-detect. At 6 inches bgs, Point 2 returned chloride, GRO, and BTEX levels of non-detect and a DRO value of 49.1 mg/kg. Based on the assessment, the release will be scraped down 6 inches bgs. Once the scrape is completed, discreet samples from the bottom of the scrape will be taken and field tested for chlorides and organic vapors. If the field data from Point 2 indicates that the samples will not

achieve chloride, Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and BTEX readings below regulatory standards, the scrape will be deepened until field testing indicates that all constituents from the bottom composite will return values below regulatory standards. The bottom composite will then be taken to a commercial laboratory to confirm that chloride, GRO, DRO and BTEX readings are below regulatory standards.

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

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

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

Sincerely,

A handwritten signature in black ink, reading "Kyle Norman" followed by a horizontal line.

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

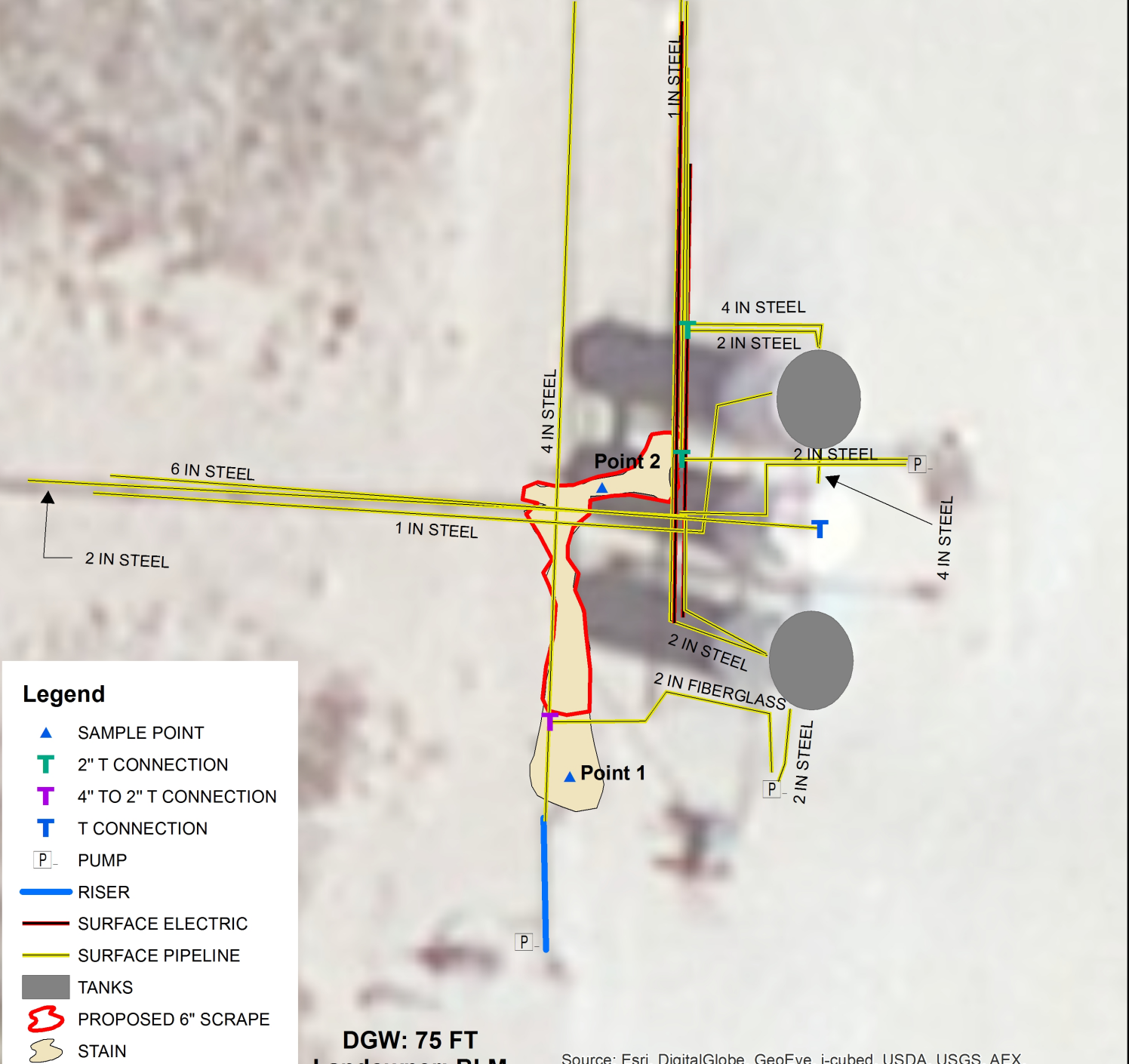
Attachments:

- Figure 1 – Site Map
- Appendix A – Initial C-141
- Appendix B – Laboratory Analysis
- Appendix C – Photo Documentation

# Figures

# Initial Sampling

Point 1										Point 2									
SS	CI-	PID	GRO	DRO	B	T	E	X	BTEX	SS	CI-	PID	GRO	DRO	B	T	E	X	BTEX
<16	393	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3		32	490	125	17800	<0.05	<0.05	0.218	1.34	1.56	
6"	<16	399	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	6"	<16	517	<10	49.1	<0.05	<0.05	<0.05	<0.15	<0.3



**CONOCOPHILLIPS**  
**MEYER B-31 #006**

LEGALS: UL/ C SEC. 31  
T-20-S R-38-E  
LEA COUNTY, NM  
NMOCD CASE # 1RP-3484

**Figure 1**

0 10 20  
Feet  
GPS date: 1/5/15 CF  
Drawing date: 9/2/15  
Drafted by: C. Ursanic



# Appendix A

Intial C-141

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

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

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: <b>ConocoPhillips</b>	Contact: <b>Spencer Cluff</b>	
Address: <b>1410 N West Country Road</b>	Telephone No. <b>575-746-7248</b>	
Facility Name: <b>Meyer B-31 #006</b>	Facility Type: <b>Well</b>	
Surface Owner: <b>NMOCD</b>	Mineral Owner: <b>BLM</b>	API No. <b>30-025-35143</b>

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	31	20S	38E	990	North	1980	West	LEA

Latitude 32.5340512374022,- Longitude 103.189949326107

### NATURE OF RELEASE

Type of Release: <b>Spill</b>	Volume of Release: <b>6.27 BBLs</b>	Volume Recovered: <b>0 BBLs</b>
Source of Release: <b>Flow Line</b>	Date and Hour of Occurrence <b>12/29/2014 7:00 am</b>	Date and Hour of Discovery <b>12/29/2014 12:00 pm</b>
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>Tomas Oberding Solomon Hughes</b>	
By Whom? <b>Spencer Cluff</b>	Date and Hour: <b>12/31/2014 11:00 am</b>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

On Monday, December 29, 2014 at 1200 hrs. MST an agency reportable spill occurred at the Myers B-31 when a circulating line froze and split. Spill area covered 42 ft X 90 ft and 1" deep, totaling 5.5 BO with 2 BO recovered. MSO notified Supervisor, installed a temporary clamp, and shut the valves to stop the leak. A work order has been submitted to remediate the area and repair the line. The spill will be remediated according to NMOCD guidelines. This is not a PSE.

Describe Area Affected and Cleanup Action Taken.\*

MSO notified Supervisor, installed a temporary clamp, and shut the valves to stop the leak. A work order has been submitted to remediate the area and repair the line. The spill will be remediated according to NMOCD guidelines. This is not a PSE.

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: <i>Spencer A. Cluff</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Spencer A. Cluff</b>		Approved by Environmental Specialist:	
Title: <b>LEAD HSE</b>		Approval Date: <b>1-7-15</b>	Expiration Date: <b>3-7-15</b>
E-mail Address: <b>spencer.a.cluff@conocophillips.com</b>		Conditions of Approval: <i>5.175 Spill report. Release E-mailed per NMOCD guidelines Signed by C-141 by 3-7-15</i>	Attached <input type="checkbox"/> <b>18P-3484</b>
Date: <b>12/31/2014</b>	Phone: <b>575-746-7248</b>		

\* Attach Additional Sheets If Necessary

**JAN 08 2015**

701500735303

701500735485

217812

# Appendix B

## Laboratory Analysis

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





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

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August 27, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: MEYER B31 #006

Enclosed are the results of analyses for samples received by the laboratory on 08/21/15 10:03.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 08/21/2015  
Reported: 08/27/2015  
Project Name: MEYER B31 #006  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 08/18/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: POINT 1 SURFACE (H502208-01)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2015	ND	2.04	102	2.00	1.23	
Toluene*	<0.050	0.050	08/25/2015	ND	1.92	96.0	2.00	0.582	
Ethylbenzene*	<0.050	0.050	08/25/2015	ND	2.02	101	2.00	0.721	
Total Xylenes*	<0.150	0.150	08/25/2015	ND	5.80	96.6	6.00	0.437	
Total BTX	<0.300	0.300	08/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2015	ND	191	95.4	200	0.499	
DRO >C10-C28	<10.0	10.0	08/24/2015	ND	196	98.0	200	3.17	

Surrogate: 1-Chlorooctane 75.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 70.0 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received: 08/21/2015  
Reported: 08/27/2015  
Project Name: MEYER B31 #006  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 08/18/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: POINT 1 @ 6" (H502208-02)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2015	ND	2.04	102	2.00	1.23	
Toluene*	<0.050	0.050	08/25/2015	ND	1.92	96.0	2.00	0.582	
Ethylbenzene*	<0.050	0.050	08/25/2015	ND	2.02	101	2.00	0.721	
Total Xylenes*	<0.150	0.150	08/25/2015	ND	5.80	96.6	6.00	0.437	
Total BTX	<0.300	0.300	08/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2015	ND	191	95.4	200	0.499	
DRO >C10-C28	<10.0	10.0	08/24/2015	ND	196	98.0	200	3.17	

Surrogate: 1-Chlorooctane 73.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 72.4 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received: 08/21/2015  
Reported: 08/27/2015  
Project Name: MEYER B31 #006  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 08/18/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: POINT 2 SURFACE (H502208-03)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2015	ND	2.04	102	2.00	1.23	
Toluene*	<0.050	0.050	08/25/2015	ND	1.92	96.0	2.00	0.582	
Ethylbenzene*	0.218	0.050	08/25/2015	ND	2.02	101	2.00	0.721	
Total Xylenes*	1.34	0.150	08/25/2015	ND	5.80	96.6	6.00	0.437	
Total BTX	1.56	0.300	08/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.7 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/24/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	125	50.0	08/24/2015	ND	191	95.4	200	0.499		
DRO >C10-C28	17800	50.0	08/24/2015	ND	196	98.0	200	3.17		

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 392 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received: 08/21/2015  
Reported: 08/27/2015  
Project Name: MEYER B31 #006  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 08/18/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: POINT 2 @ 6" (H502208-04)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2015	ND	2.04	102	2.00	1.23	
Toluene*	<0.050	0.050	08/25/2015	ND	1.92	96.0	2.00	0.582	
Ethylbenzene*	<0.050	0.050	08/25/2015	ND	2.02	101	2.00	0.721	
Total Xylenes*	<0.150	0.150	08/25/2015	ND	5.80	96.6	6.00	0.437	
Total BTEX	<0.300	0.300	08/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/24/2015	ND	191	95.4	200	0.499	
DRO >C10-C28	49.1	10.0	08/24/2015	ND	196	98.0	200	3.17	

Surrogate: 1-Chlorooctane 89.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 80.7 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





# **CARDINAL LABORATORIES**

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

## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: ConocoPhillips				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Kyle Norman				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chlorides</div> <div>TPH 8015 M</div> <div>BTEX</div> <div>Texas TPH</div> <div>Complete Cations/Anions</div> <div>TDS</div> </div>											
Address: 419 W Cain				Company: Basin															
City: Hobbs State: NM Zip: 88240				Attn:															
Phone #: 575-393-2967 Fax #: 575-393-0293				Address: 419 W Cain															
Project #:				City: Hobbs															
Project Name:				State: NM Zip: 88240															
Project Location: Mexer B31 #006				Phone #: 575-393-2967															
Sampler Name: J Kamplain				Fax #: 575-393-0293															
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					
1502208	1. PT 1 surface	9	1			/				/			8/18/15	11:20	/	/	/		
	2. PT 1 @ 6"	9	1			/				/				11:25	/	/	/		
	3. PT 2 surface	9	1			/				/				11:30	/	/	/		
	4. PT 2 @ 6"	9	1			/				/				11:35	/	/	/		

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: Time:	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date: 8-21-05 Time: 10:03	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One)		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:		-5.6c	email results: hconder@basinenv.com; knorman@basinenv.com; jkamplain@basinenv; lflores@basinenv; lweinheimer@basinenv; cursanic@basinenv; sedwards@basinenv environmental tech: @basinenv

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

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# Appendix C

Photo Documentation

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



# ConocoPhillips Meyer B-31 #006

Unit Letter C, Section 31, T20S, R38E



Initial release area, facing southwest

1/6/15



Initial release area, facing north

1/6/15



Initial release area, facing southeast

1/6/15