



**RECEIVED**

*By JKeyes at 1:53 pm, May 10, 2016*

**APPROVED**

# CONOCOPHILLIPS

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

## SEMUR 95 SWD (1RP-3485)

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# Termination Request

API No. 30-025-06239

Release Date: December 31<sup>st</sup>, 2014

Unit Letter J, Section 23, Township 20S, Range 37E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

**May 9<sup>th</sup>, 2016**

**Jamie Keyes**

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

**RE: Termination Request  
ConocoPhillips SEMU 95 SWD (1RP-3485)  
UL/J sec. 23 T20S R37E  
API No. 30-025-06239**

Mr. Keyes:

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

**Background and Previous Work**

The site is located approximately 5.3 miles southwest of Monument, New Mexico at UL/J sec. 23 T20S R37E. NM OSE and BLM installed monitor well records indicate that groundwater will likely be encountered at a depth of approximately 54 +/- feet.

On December 31<sup>st</sup>, 2014, CoP discovered that a skim tank had overflowed when a u-tube and a surge valve froze. This caused the surge tank to fill and send fluid to the skim tank, which overflowed. A total of 15.67 barrels of oil and produced water were released over 8,700 sq ft of lease pad. None of this fluid was recovered. The wells to the SWD were shut in, and the inlet valve was closed. 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 of the initial C-141 on January 7<sup>th</sup>, 2015 (Appendix A).

Basin personnel were on site to assess the release January 5<sup>th</sup>, 2015. The release was mapped and photographed and CoP scraped the release area to 6 inches bgs (Appendix B). On August 18<sup>th</sup>, 2015, three samples were collected at 6 inches bgs and sent to a commercial laboratory for analysis. Laboratory analysis of Point 1 returned a chloride value of non-detect, a Gasoline Range Organics (GRO) value of 15.7 mg/kg, a Diesel Range Organics (DRO) value of 244 mg/kg and BTEX values of non-detect except for Total Xylenes, which returned a value of 0.254 mg/kg. Laboratory analysis of Point 2 returned a chloride value of non-detect, a GRO value of 20.1 mg/kg, a DRO value of 439 mg/kg and BTEX values of non-detect except for Ethylbenzene which returned a value of 0.05 mg/kg and a Total Xylenes value of 0.217 mg/kg. Laboratory

analysis of Point 3 returned a chloride value of 64 mg/kg, a GRO value of 252 mg/kg (Appendix C).

A Corrective Action Plan (CAP) was submitted to NMOCD and BLM on October 6<sup>th</sup>, 2015 and was approved by NMOCD and BLM on October 8<sup>th</sup>, 2015. Basin recommended that the release area around Point 3 will be scraped down to 1 ft 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 indicates that the discreet bottom samples will not achieve chloride, Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) below regulatory standards, the scrape will be deepened until field testing indicates that all constituents from the discreet bottom samples will return values below regulatory standards. The discreet bottom samples will then be taken to a commercial laboratory to confirm that chloride, GRO and DRO values are below regulatory standards.

All excavated soils will be taken to a NMOCD approved facility for disposal. Clean caliche will be imported to the site to serve as backfill. A sample of the imported caliche 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.

CAP activities began on November 2<sup>nd</sup>, 2015 and the area around Point 3 was scraped to a depth of 1 ft bgs and approximately 100 yards was exported to an NMOCD approved facility for disposal. Once the scrape was complete 3 discreet samples were obtained from the base of the scrape and sent to a commercial laboratory for analysis (Appendix B). Pt.1 returned a chloride result of 32 mg/kg, GRO/DRO of <10 mg/kg and BTEX of <0.3 mg/kg. Pt.2 returned a chloride result of 32 mg/kg, GRO/DRO of <10 mg/kg and BTEX of <0.3 mg/kg. Pt.3 returned a chloride result of 32 mg/kg, GRO/DRO of <10 mg/kg and BTEX of <0.3 mg/kg. Basin requested backfill approval from NMOCD and BLM on November, 9th 2015 and received approval from NMOCD and BLM on the same day. Approximately 100 yards caliche was imported on site, a sample was obtained from the imported caliche and sent to a commercial laboratory for analysis (Appendix B). The imported sample returned a chloride result of 160 mg/kg. Site was then backfilled with imported material.

Photo documentation of these activities can be found in Appendix C.

Given that the CAP activities have been completed as approved by NMOCD and BLM, Conoco Phillips respectfully request 'remediation termination' and site closure. The final C-141 can be found in Appendix D.

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 that reads "Kyle Norman" followed by a horizontal line.

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

Attachments:

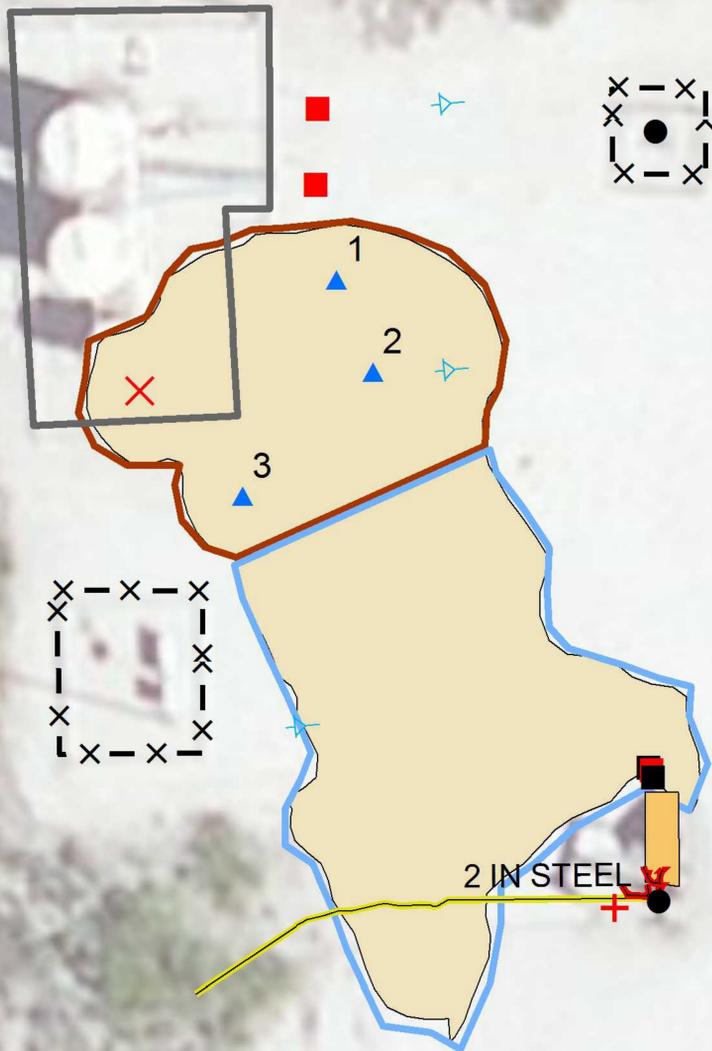
- Figure 1 – Site Map
- Appendix A – Initial C-141
- Appendix B – Laboratory Analysis
- Appendix C – Photo Documentation
- Appendix D- Final C-141

# Figures

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

# Scrape

Bottom Samples	Cl-	GRO	DRO	B	T	E	X	TOTAL
PT.1	32	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
PT.2	32	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
PT.3	32	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
Imported Caliche	160							



## Legend

- X SOURCE
- CONTROL BOX
- ↗ DEADMAN
- ELECTRICAL BOX
- ▲ SCRAPE SAMPLE
- + ELECTRIC LINE CONNECTION
- WELLHEAD
- SURFACE ELECTRIC
- SURFACE PIPELINE
- BATTERY
- FENCE
- 6 IN SCRAPE
- SCRAPE @ 1 FT
- STAIN- 8,700 SQ FT
- PUMPJACK

Landowner: S-W Cattle Company  
 DGW: 54 FT

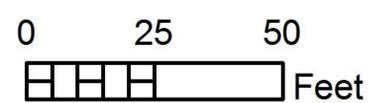
Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AEX, Getmapping, User Community, Image courtesy of Corporation



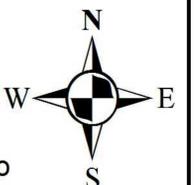
**CONOCOPHILLIPS**  
**SEMU 95 SWD**  
 LEGALS: UL/ J SEC. 23  
 T-20-S R-37-E  
 LEA COUNTY, NM  
 NMOCD CASE # 1RP-3485

Underground facilities are spatially projected and need to be field verified.

GPS: 32.556729 -103.220017



Drawing date: 11/9/15  
 Drafted by: L. Weinheimer, T. Grieco



# Appendix A

Intial C-141

**Basin Environmental Service Technologies, LLC**  
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.

HOBBS O&D  
JAN 07 2015

**Release Notification and Corrective Action**

RECEIVED

**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>SEMU 95 SWD</b>	Facility Type: <b>Battery</b>

Surface Owner: <b>NMOCD</b>	Mineral Owner: <b>BLM</b>	API No. <b>30-025-06239</b>
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	23	20S	37E	1980	South	1980	East	LEA

Latitude 32.5567134268039,- Longitude 103.220020515971

**NATURE OF RELEASE**

Type of Release: <b>Spill</b>	Volume of Release: <b>15.67 BBLS</b>	Volume Recovered: <b>0 BBLS</b>
Source of Release: <b>Flow Line</b>	Date and Hour of Occurrence <b>12/31/2014 4:20 am</b>	Date and Hour of Discovery <b>3112/2/2014 5:00 am</b>
Was Immediate Notice Given? <input checked="" 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 12:00 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 Wednesday, December 31, 2014 at 0420 hrs. MST, an agency reportable spill occurred at the SEMU 95 SWD when the skim over flowed. MSO received a high level alarm at 0400 hrs. MST and then a high high level alarm at 0420 hrs. MST. MSO responded to high level alarm by going out to location. MSO shut down the wells to the SEMU 95 SWD and closed the inlet valve to stop the leak. Upon further inspection, MSO noticed that the u-tube was frozen and caused the surge tank to fill and send fluid to the skim tank. MSO also noticed that the surge valve was frozen open causing the actuator to stay open and fill the surge tank.

Describe Area Affected and Cleanup Action Taken.\*

The spill area was 150 ft X 225 ft. X 0.5 deep and resulted in 3 BO and 12.67 BPW for a total of 15.67 bbls of total fluid, with none recovered. This is a PSE Tier 2. The spill will be remediated according to NMOCD guidelines.

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

Signature: <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>

JAN 08 2015

E-mail Address: <b>spencer.a.cluff@conocophillips.com</b>	Conditions of Approval: <i>Site Specific request.</i> <i>Detritate &amp; indetate area as per</i> <i>NMOC0 guide. Submit form</i>	Attached <input type="checkbox"/> <i>IRP 3485</i>
Date: 12/31/2014 Phone: 575-746-7248		

\* Attach Additional Sheets If Necessary

*C-141 by 3-7-15*

*217817*  
*1701500738356*  
*P701500738845*

**HOBBS-OCED**  
**JAN 07 2015**  
**RECEIVED**

# Appendix B

Laboratory Analysis

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



November 06, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: SEMU 95 SWD

Enclosed are the results of analyses for samples received by the laboratory on 11/05/15 15:00.

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 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:	11/05/2015	Sampling Date:	11/05/2015
Reported:	11/06/2015	Sampling Type:	Soil
Project Name:	SEMU 95 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: POINT 1 @ 1' (H502938-01)**

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	11/06/2015	ND	2.05	103	2.00	0.417	
Toluene*	<0.050	0.050	11/06/2015	ND	2.31	115	2.00	1.28	
Ethylbenzene*	<0.050	0.050	11/06/2015	ND	2.12	106	2.00	0.767	
Total Xylenes*	<0.150	0.150	11/06/2015	ND	6.76	113	6.00	0.943	
Total BTEX	<0.300	0.300	11/06/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.6-140*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	11/06/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/06/2015	ND	207	103	200	2.82	
DRO >C10-C28	<10.0	10.0	11/06/2015	ND	212	106	200	3.38	

*Surrogate: 1-Chlorooctane 97.4 % 35-147*
*Surrogate: 1-Chlorooctadecane 109 % 28-171*

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	11/05/2015	Sampling Date:	11/05/2015
Reported:	11/06/2015	Sampling Type:	Soil
Project Name:	SEMU 95 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: POINT 2 @ 1' (H502938-02)**

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	11/06/2015	ND	2.05	103	2.00	0.417		
Toluene*	<0.050	0.050	11/06/2015	ND	2.31	115	2.00	1.28		
Ethylbenzene*	<0.050	0.050	11/06/2015	ND	2.12	106	2.00	0.767		
Total Xylenes*	<0.150	0.150	11/06/2015	ND	6.76	113	6.00	0.943		
Total BTEX	<0.300	0.300	11/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

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	11/06/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	11/06/2015	ND	207	103	200	2.82		
DRO >C10-C28	<10.0	10.0	11/06/2015	ND	212	106	200	3.38		

Surrogate: 1-Chlorooctane 98.2 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	11/05/2015	Sampling Date:	11/05/2015
Reported:	11/06/2015	Sampling Type:	Soil
Project Name:	SEMU 95 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: POINT 3 @ 1' (H502938-03)**

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	11/06/2015	ND	2.05	103	2.00	0.417	
Toluene*	<0.050	0.050	11/06/2015	ND	2.31	115	2.00	1.28	
Ethylbenzene*	<0.050	0.050	11/06/2015	ND	2.12	106	2.00	0.767	
Total Xylenes*	<0.150	0.150	11/06/2015	ND	6.76	113	6.00	0.943	
Total BTEX	<0.300	0.300	11/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	11/06/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/06/2015	ND	207	103	200	2.82	
DRO >C10-C28	<10.0	10.0	11/06/2015	ND	212	106	200	3.38	

Surrogate: 1-Chlorooctane 94.3 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

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



**ARDINAL 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**

Rush !!

Company Name: ConocoPhillips  
Project Manager: Kyle Norman

Address: 419 W Cain

City: Hobbs State: NM Zip: 88240

Phone #: 575-393-2967

Fax #: 575-393-0293

Project #:

Project Owner:

Project Name:

SZM 95 SWD

Project Location:

Sampler Name:

Skempkins

FOR LAB USE ONLY

P.O. #: Company: Basin

Attn: Address: 419 W Cain

City: Hobbs State: NM Zip: 88240

Phone #: 575-393-2967 Fax #: 575-393-0293

**BILL TO**

**ANALYSIS REQUEST**

Lab I.D.

Sample I.D.

H502938

1 Pt 1 @ 1'  
2 Pt 2 @ 1'  
3 Pt 3 @ 1'

(G)RAB OR (C)OMP.  
# CONTAINERS  
GROUNDWATER  
WASTEWATER  
SOIL  
OIL  
SLUDGE  
OTHER :  
ACID/BASE:  
ICE / COOL  
OTHER :

DATE TIME

11-5-15 12:00  
11-40  
11-50

Chlorides

TPH 8015 M

BTEX

Texas TPH

Complete Cations/Anions

TDS

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:

Handwritten signature

Date: 11/5/15

Time: 3:00

Received By:

Handwritten signature

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

4:40

Sample Condition  
Cool  Intact   
Yes  No

CHECKED BY:

Handwritten signature

Phone Result:  Yes  No Add'l Phone #:  
Fax Result:  Yes  No Add'l Fax #:  
REMARKS:  
email results:  
hconder@basinenv.com; knorman@basinenv.com;  
jkampain@basinenv; flores@basinenv; lweinheimer@basinenv;  
cursanic@basinenv; sedwards@basinenv  
environmental tech: @basinenv

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

#54



November 06, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: SEMU 95 SWD

Enclosed are the results of analyses for samples received by the laboratory on 11/05/15 15:00.

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".

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:	11/05/2015	Sampling Date:	11/05/2015
Reported:	11/06/2015	Sampling Type:	Soil
Project Name:	SEMU 95 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: IMPORTED CALICHE (H502940-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>160</b>	16.0	11/06/2015	ND	416	104	400	0.00	

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



**ARDINAL 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

Project Manager: Kyle Norman

Address: 419 W Cain

City: Hobbs

Phone #: 575-393-2967

Project #:

Project Name:

Project Location:

Sampler Name:

FOR LAB USE ONLY

Lab I.D.

H5D2940

1

Imported Caliche

91

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

**BILL TO**

P.O. #:

Company: Basin

Attn:

Address: 419 W Cain

City: Hobbs

State: NM Zip: 88240

Phone #: 575-393-2967

Fax #: 575-393-0293

**ANALYSIS REQUEST**

Chlorides

TPH 8015 M

BTEX

Texas TPH

Complete Cations/Anions

TDS

DATE TIME

11-5-15 11:30

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

Relinquished By:

Relinquished By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Date:

Time:

Date:

Time:

Received By:

Received By:

Sample Condition:

Cool  Yes  No

Attach  Yes  No

CHECKED BY:

(Initials)

Phone Result:

Fax Result:

REMARKS:

email results:

hconder@basinenv.com; knorman@basinenv.com;  
jkamplah@basinenv.com; lflores@basinenv.com; lweihelmer@basinenv.com;  
cursanic@basinenv.com; sedwards@basinenv.com; @basinenv

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

#54

# Appendix C

Photo Documentation

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

# ConocoPhillips SEMU 95 SWD

Unit Letter J, Section 23, T20S, R37E



Initial release area, facing north

1/5/15



Initial release area, facing northwest

1/5/15



Initial release area, facing south

1/5/15



Hand digging, facing north

11/2/15



Exporting soil, facing south east

11/4/15



Hand digging, facing south

11/4/15



Excavation, facing north west

11/4/15



Importing soil, facing north west

11/9/15



Backfilling site, facing north

11/9/15



Site complete, facing west

11/18/15

# Appendix D

Final C-141

**Basin Environmental Service Technologies, LLC**  
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: <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>SEMU 95 SWD</b>	Facility Type: <b>Battery</b>

Surface Owner: <b>NMOCD</b>	Mineral Owner: <b>BLM</b>	API No. <b>30-025-06239</b>
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	23	20S	37E	1980	South	1980	East	LEA

Latitude 32.5567134268039, - Longitude 103.220020515971

**NATURE OF RELEASE**

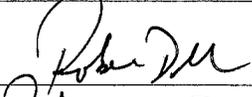
Type of Release: <b>Spill</b>	Volume of Release: <b>15.67 BBLs</b>	Volume Recovered: <b>0 BBLs</b>
Source of Release: <b>Flow Line</b>	Date and Hour of Occurrence: <b>12/31/2014 4:20 am</b>	Date and Hour of Discovery: <b>3112/2/2014 5:00 am</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> 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 12:00 pm</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 Wednesday, December 31, 2014 at 0420 hrs. MST, an agency reportable spill occurred at the SEMU 95 SWD when the skim over flowed. MSO received a high level alarm at 0400 hrs. MST and then a high high level alarm at 0420 hrs. MST. MSO responded to high level alarm by going out to location. MSO shut down the wells to the SEMU 95 SWD and closed the inlet valve to stop the leak. Upon further inspection, MSO noticed that the u-tube was frozen and caused the surge tank to fill and send fluid to the skim tank. MSO also noticed that the surge valve was frozen open causing the actuator to stay open and fill the surge tank.

Describe Area Affected and Cleanup Action Taken.\* The release covered 8,700 sq ft of caliche pad. Basin was on site January 5th, 2015 to visually assess site and to sample site on August 18th, 2015. A Corrective Action Plan (CAP) was submitted to NMOCD and BLM on October 6th, 2015 and was approved by NMOCD and BLM on October 8th, 2015. CAP activities began on November 2nd, 2015 and the area around Point 3 was scraped to a depth of 1 ft bgs and approximately 100 yards was exported to an NMOCD approved facility for disposal. Once the scrape was complete 3 discreet samples were obtained from the base of the scrape and sent to a commercial laboratory for analysis and returned below regulatory limits. Basin requested backfill approval from NMOCD and BLM on November, 9th 2015 and received approval from NMOCD and BLM on the same day. Approximately 100 yards caliche was imported on site, a sample was obtained from the imported caliche and sent to a commercial laboratory for analysis. The imported sample returned a chloride result of 160 mg/kg. Site was then backfilled with imported material.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Robert Dobbs</b>	Approved by Environmental Specialist: 	
Title: <b>SENM Surface Projects Supervisor</b>	Approval Date: <b>05/10/2016</b>	Expiration Date: <b>///</b>
E-mail Address: <b>Robert.A.Dobbs@conocophillips.com</b>	Conditions of Approval: <b>Ensure BLM concurrence/approval.</b>	Attached <input type="checkbox"/> <b>IRP 3485</b>
Date: <b>3/6/2016</b> Phone: <b>281-455-0821</b>		

\* Attach Additional Sheets If Necessary