



RECEIVED

By JKeyes at 7:49 am, Feb 01, 2016

APPROVED

By JKeyes at 7:49 am, Feb 01, 2016

CONOCOPHILLIPS

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

VGEU Well 02-27

1RP-3116

Termination Request

API No. 3002538346

Release Date: June 15th, 2014

Unit Letter G, Section 32, Township 17S, Range 35E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

January 29th, 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 VGEU 02-27 (1RP-3116)
UL/G sec. 32 T17S R35E
API No. 30-025-3**

Mr. Keyes:

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

Background and Previous Work

The site is located approximately 1.8 miles southeast of Buckeye, New Mexico. Although the C-141 states that the release is located in UL/G, GPS mapping shows the release to be located in UL/F of sec. 32 T17S R35E. NM OSE, BLM and Non-COP monitor well records indicate that groundwater will likely be encountered at a depth of approximately 64 +/- feet.

On June 15th, 2014, a hole was found in a flow line, which had released 92 barrels of oil over 9,874 square feet of pasture land. A total of 50 barrels of this fluid was recovered. The well was shut in and the line repaired. NMOCD was notified of the release on June 16th, 2014, and an initial C-141 was sent to NMOCD for their approval (Appendix A).

Basin personnel were on site beginning July 14th, 2014. Four points within the release area were sampled at the surface, and three of the points were sampled with depth. The samples were field tested for chlorides and organic vapors, and representative samples were taken to a commercial laboratory for analysis. The laboratory analysis showed elevated chlorides and hydrocarbons at Point 1 and Point 2. Given the dramatic drop in chlorides and hydrocarbons in Point 2 between the surface sample and the 6 inches bgs sample, there is a high probability that the area around Point 1 and Point 2 will obtain chloride and hydrocarbon values below regulatory standards fairly quickly with continued depth. Point 3 and Point 4 returned laboratory chloride and hydrocarbon readings below regulatory standards at the surface and at 6 inches bgs.

Based on the laboratory analysis, a Corrective Action Plan (CAP) was submitted to NMOCD August 11th, 2014, and was approved August 13th, 2014. The CAP stated that the area around Point 3 and Point 4 would be scraped down to 6 inches bgs to remove the visible staining. The area around Point 1 and Point 2 would be scraped down until field sampling indicated that all constituents would return laboratory readings below regulatory standards. Once this occurred, a bottom composite of the scrape around Point 1 and Point 2 would be taken to a commercial laboratory to confirm that chloride, Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and BTEX levels were below regulatory standards.

All excavated soils would be evaluated for use as backfill, and any soils that did not meet regulatory standards would be taken for disposal at a NMOCD approved site. Clean soil would be imported to the site to replace any soils taken for disposal. The clean soil would be blended with the excavated soil for use as backfill. A sample of the blended soil would be taken to a commercial laboratory to confirm that chloride, GRO and DRO values were below regulatory standards. The scrapes would be backfilled with blended soil and contoured to the surrounding location. The site would then be seeded with a blend of native vegetation.

CAP activities began May 28th, 2015. The area around Point 3 and Point 4 was scraped to 6 inches bgs and a 5 Pt. Composite was taken and sent to a commercial laboratory for analysis (Figure 1). Laboratory analysis returned a chloride level of non-detect, a Gasoline Range Organics (GRO) reading of non-detect and a Diesel Range Organics (DRO) reading of 28.6 mg/kg (Appendix B). The area around Point 1 and Point 2 were excavated to 1 ft bgs and a 5 point composite sample was taken from the base of the excavation and sent to a commercial laboratory for analysis. Laboratory analysis returned a chloride value of 432 mg/kg, a GRO value of 15.8 mg/kg and a DRO value of 555 mg/kg. An addendum was submitted to NMOCD on June 9th, 2015 stating that the area around Points 5, 6 and 7 would not be scraped due to the low chloride levels and Gasoline Range Organics (GRO), Diesel Range Organics (DRO) are non detect and good vegetation NMOCD approved Backfill June 10th, 2015. A total of 168 yards of contaminated soil was exported and disposed of at a NMOCD approved facility. A total of 300 yards of soil was imported for backfill. A 5 point composite sample of the imported soil was taken and sent to a commercial laboratory for analysis. Laboratory analysis returned a chloride level of <16 mg/kg. The site was backfilled with the clean, imported soil and contoured to the surrounding location.

Photo documentation of the backfilled site can be found in Appendix C.

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

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

Sincerely,

A handwritten signature in dark ink, reading "Kyle Norman" followed by a long horizontal flourish.

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

Attachments:

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

Figures

Initial Sampling Data

	CI-	PID	GRO	DRO
Point 1				
SS	592	256.2	2270	55400

	CI-	PID	GRO	DRO
Point 2				
SS	40800	92.6	679	32000
6"	2760	245.9	210	3980

	CI-	PID	GRO	DRO
Point 3				
SS	144	7	11.5	957
6"	80	14	<10	20.6

	CI-	PID	GRO	DRO
Point 4				
SS	144	4.6	<10	622
6"	16	3.1	<10	<10

	CI-	PID	GRO	DRO
Point 5				
SS	82	43		
6"	<16	3.1	<10	<10

	CI-	PID	GRO	DRO
Point 6				
SS	111	1.1		
6"	<16	72.5	<10	<10

	CI-	PID	GRO	DRO
Point 7				
SS	87	65.3		
6"	<16	65.1	<10	<10

▲ 1 Ft. Scrape 5 Pt. Comp

CI-	PID	GRO	DRO
432	39.4	15.8	555

▲ 6 IN. Scrape 5 Pt. Comp

CI-	PID	GRO	DRO
<16	12.1	<10	28.6

Legend

- ▲ 6 IN SCRAPE POINT
- ▲ 1 FT SCRAPE POINT
- ⊥ ELECTRIC POLE
- ▲ HAND AUGER POINT
- POSSIBLE BURIED LINE
- OVERHEAD ELECTRIC LINE
- SURFACE PIPELINE
- 1 FT
- 6 IN
- STAIN (9,874 sq ft)

STEEL LINE POLY

POLY

STEEL LINE

CI- Field Data

CI- Lab Data

Landowner: State
DGW: 100 ft



CONOCOPHILLIPS
VGEU WELL 02-27

1RP-3116

UL F SECTION 32
T-17-S R-35-E
LEA COUNTY, NM

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

0 10 20
Feet

GPS date: 5/28 & 29/15, 6/1/15 CF
Drawing date: 6/2/15
Drafted by: L. Weinheimer, T. Grieco



Appendix A

Intial C-141

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: ConocoPhillips	Contact: Spencer Cluff
Address: 29 Vacuum Complex Lane	Telephone No. 575-391-3143
Facility Name: VGEU Well 02-27	Facility Type: Oil Well

Surface Owner: NMOCD	Mineral Owner NMOCD	API No. 3002538346
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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
G	32	17S	35E	2617	North	1725	East	LEA

Latitude 32.7915536994735 Longitude - 103.47689377028

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 92 BBLs	Volume Recovered: 50 BBLs
Source of Release: Flow Line	Date and Hour of Occurrence 6/15/2014 10:00 p.m.	Date and Hour of Discovery 6/16/2014 10:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking	
By Whom? Spencer Cluff	Date and Hour: 06/16/2014 4:15 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* On Sunday, June 15, 2014 @ 2200 hrs. MST @ the VGEU 02-27 an accidental discharge of 29 BO occurred. While making daily rounds checking wells, MSO received a call from another MSO saying he found a hole in flow line. Spill area was 243 ft. X 213 ft. X 0.5 inches deep, all in pastor area. MSO turned shut in the well and closed tubing and casing to isolate well. A work order to repair the hole has been submitted. The affected area will be remediated according to NMOCD guidelines.

Describe Area Affected and Cleanup Action Taken.* Spill area was 243 ft. X 213 ft. X 0.5 inches deep, all in pastor area. MSO turned shut in the well and closed tubing and casing to isolate well. A work order to repair the hole has been submitted. The affected area 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.

OIL CONSERVATION DIVISION

Signature: *Spencer A. Cluff*

Printed Name: **Spencer Cluff**

Approved by Environmental Specialist:

Title: **LEAD HSE**

Approval Date:

Expiration Date:

E-mail Address: **spencer.a.cluff@conocophillips.com**

Conditions of Approval:

Attached ☐

Date: **06/16/2014**

Phone: **575-391-3143**

* Attach Additional Sheets If Necessary

Attachment C—Incident Report Form

Responsible Dept/Unit	<input type="checkbox"/> Gulf Coast BU	<input checked="" type="checkbox"/> Mid Continent BU	<input type="checkbox"/> San Juan BU	<input type="checkbox"/> US L48 Headquarters
	GCBU Assets:	<input type="checkbox"/> GCBU		
	MCBU Assets:	<input type="checkbox"/> Panhandle/ Anadarko/Barnett Shale	<input checked="" type="checkbox"/> Permian	<input type="checkbox"/> Rockies
	SJBU Assets:	<input type="checkbox"/> San Juan	<input type="checkbox"/> San Juan Gas Plant	<input type="checkbox"/> Wingate
	GC Fractionator	<input type="checkbox"/> GC Fractionator		
Area of Business:	<input checked="" type="checkbox"/> Operations & maintenance <input type="checkbox"/> Projects <input type="checkbox"/> Drilling <input type="checkbox"/> Well servicing <input type="checkbox"/> Exploration drilling <input type="checkbox"/> Other			
Specific location: VGEU 02-27		Weather conditions: Hot		
Short description of incident: ENV – Agency Reportable – 29 BO – VGEU 02-27 – MCBU – Buckeye				
Date & time of incident: 6/15/2014 10:00 p.m.		Date & time incident reported: 6/16/2014 10:00 a.m.		
Incident type:	<input checked="" type="checkbox"/> incident <input type="checkbox"/> Near-miss			
<p>Description of incident: ENV – Agency Reportable – 29 BO – VGEU 02-27 – MCBU – Buckeye: On Sunday, June 15, 2014 @ 2200 hrs. MST @ the VGEU 02-27 an accidental discharge of 29 BO occurred. While making daily rounds checking wells, MSO received a call from another MSO saying he found a hole in flow line. Spill area was 243 ft. X 213 ft. X 0.5 inches deep, all in pastor area. MSO turned shut in the well and closed tubing and casing to isolate well. A work order to repair the hole has been submitted. The affected area will be remediated according to NMOCD guidelines. This is a PSE II.</p> <p>Consequence: 1 Likelihood: 5 RR: 2</p>				

Sub-types Tab

Consequence(s):	<input type="checkbox"/> Injury/Illness <input checked="" type="checkbox"/> Environmental <input type="checkbox"/> Property damage <input type="checkbox"/> Vehicle <input type="checkbox"/> Security
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Responsibilities Tab

Responsible supervisor:	Incident owner:	Incident final approver:
Sean Robinson	Spencer Cluff	
Printed name	Printed name	Printed name
Expert(s): (not required for near-miss)		
<input type="checkbox"/> Injury/illness expert: <input checked="" type="checkbox"/> Environmental expert: <input type="checkbox"/> Transportation expert: <input type="checkbox"/> Property damage/loss expert:		Printed name: Steve Tischer

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

June 03, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: VGEU WELL 02-27

Enclosed are the results of analyses for samples received by the laboratory on 06/02/15 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 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: 06/02/2015
Reported: 06/03/2015
Project Name: VGEU WELL 02-27
Project Number: NONE GIVEN
Project Location: COP

Sampling Date: 06/01/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 6" - 1' SCRAPE 6 PT. COMP (H501401-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/02/2015	ND	400	100	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	20.0	10.0	06/02/2015	ND	178	89.1	200	7.27	
DRO >C10-C28	1740	10.0	06/02/2015	ND	193	96.3	200	3.71	

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 138 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

June 09, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: VGEU WELL 02-27

Enclosed are the results of analyses for samples received by the laboratory on 06/08/15 9:45.

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

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Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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: 06/08/2015
Reported: 06/09/2015
Project Name: VGEU WELL 02-27
Project Number: NONE GIVEN
Project Location: COP

Sampling Date: 06/05/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 5 PT. COMP @ 1' (H501461-01)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	06/09/2015	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	15.8	10.0	06/08/2015	ND	184	92.1	200	1.44	
DRO >C10-C28	555	10.0	06/08/2015	ND	182	91.2	200	1.62	

Surrogate: 1-Chlorooctane 93.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

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:

Sample Name:

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Basin

Attn:

Address: 419 W Cain

City: Hobbs

State: NM Zip: 88240

Phone #: 575-393-2967

Fax #: 575-393-0293

MATRIX

PRESERV

SAMPLING

Lab I.D.

Sample I.D.

H501461

5 point comp @ 1'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE TIME

Chlorides

TPH 8015 M

BTEX

Texas TPH

Complete Cations/Anions

TDS

PLEASE NOTE: Liability and Damages: Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 90 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: 8-8-15

Received By:

Kyle Schaidt

Date: 8/8/15

Received By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Date: 8/8/15

Received By:

Sample Condition

Cool

Intact

Checked By

(Initials)

Phone Result: ☐ Yes ☒ No

Fax Result: ☐ Yes ☒ No

Add'l Phone #:

Add'l Fax #:

email results:

hconder@basineny.com; knorman@basineny.com;

jkamplain@basineny.com; lflores@basineny.com;

lweinhelmer@basineny.com;

cursanic@basineny.com; sedwards@basineny.com;

environmental tech: @basineny

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

June 03, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: VGEU WELL 02-27

Enclosed are the results of analyses for samples received by the laboratory on 06/02/15 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.

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Sincerely,



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:	06/02/2015	Sampling Date:	06/01/2015
Reported:	06/03/2015	Sampling Type:	Soil
Project Name:	VGEU WELL 02-27	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COP		

Sample ID: PASTURE SCRAPE 5 PT. COMP (H501400-01)

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	06/02/2015	ND	400	100	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	06/02/2015	ND	178	89.1	200	7.27	
DRO >C10-C28	28.6	10.0	06/02/2015	ND	193	96.3	200	3.71	
Surrogate: 1-Chlorooctane	103 %	47.2-157							
Surrogate: 1-Chlorooctadecane	116 %	52.1-176							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
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***	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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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

* RUSH *

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: ConocoPhillips

Project Manager: Kyle Norman

Address: 419 W Cain

City: Hobbs

Phone #: 575-393-2967

Project #:

Project Name: L.P.

Project Location: 161 E. Well Rd-37

Sample Name: Chris Flores

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H501400

1 Pasture Scope S Pt. Composite

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

DATE
TIME

Chlorides
TPH 8015 M
BTEX
Texas TPH
Complete Cations/Anions
TDS

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Basin

Attn:

Address: 419 W Cain

City: Hobbs

State: NM Zip: 88240

Phone #: 575-393-2967

Fax #: 575-393-0293

PRESERV

SAMPLING

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: 6/2/2015

Received By:

Relinquished By: [Signature]

Date: 6/2/2015

Received By: [Signature]

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

0.00

Sample Condition
Cool ☐ Yes ☒ No
Intact ☐ Yes ☒ No

CHECKED BY: [Signature]

Phone Result: ☐ Yes ☒ No Add'l Phone #:
Fax Result: ☐ Yes ☒ No Add'l Fax #:
REMARKS:
email results:
hconder@basinenv.com; knorman@basinenv.com;
jkamp@basinenv.com; lflores@basinenv.com; weinheimer@basinenv.com;
cursanic@basinenv.com; sedwards@basinenv.com;
environmental tech: [Signature] @basinenv

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

#54



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

June 10, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: VGEU WELL 02-27

Enclosed are the results of analyses for samples received by the laboratory on 06/03/15 9:35.

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, stylized 'C' and 'K'.

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: 06/03/2015
Reported: 06/10/2015
Project Name: VGEU WELL 02-27
Project Number: NONE GIVEN
Project Location: COP

Sampling Date: 06/02/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: IMPORTED TOP SOIL (H501419-01)**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	06/08/2015	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

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Celey D. Keene, Lab Director/Quality Manager



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

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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 VGEU Well 02-27

Unit Letter F, Section 32, T17S, R35E



Initial release area, facing southeast

7/14/14



Initial release area, facing northwest

7/14/14



Excavating release, facing west

5/28/15



Building spoil pile, facing north

5/28/15



Importing top soil, facing northwest

6/2/15



Backfilled excavation, facing southeast

6/16/15



Backfilled excavation, facing east

6/16/15



Completed site, facing west

6/16/15

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: ConocoPhillips	Contact
Address: 29 Vacuum Complex Lane	Telephone No.
Facility Name: VGEU Well 02-27	Facility Type Oil Well

Surface Owner: NMOCD	Mineral Owner: NMOCD	API No. 3002538346
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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
G	32	17S	35E	2617	North	1725	East	LEA

Latitude 32.7915536994735 Longitude -103.47689377028

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 92 BBLS	Volume Recovered: 50 BBLS
Source of Release: Flow Line	Date and Hour of Occurrence 06/15/2014 10:00 pm	Date and Hour of Discovery 06/16/2014 10:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking	
By Whom? Spencer Cluff	Date and Hour: 06/16/2014 4:15 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

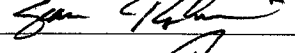
If a Watercourse was Impacted, Describe Fully.*


Describe Cause of Problem and Remedial Action Taken.* ☐ On Sunday, June 15, 2014 @ 2200 hrs. MST @ VGEU 02-27 an accidental discharge of 29 BO occurred. While making daily rounds checking wells, MSO received a call from another MSO saying he found a hole in flow line. Spill area was 243 ft. X 213 ft. X 0.5 inches deep, all in pastor area. MSO turned shut in the well and closed tubing and casing to isolate well. A work order to repair the hole has been submitted. The affected area will be remediated according to NMOCD guidelines.

Describe Area Affected and Cleanup Action Taken.* ☐ The area around Point 3 and Point 4 was scraped to 6 inches bgs and a 5 Pt. Composite was taken and sent to a commercial laboratory for analysis. Laboratory analysis returned a chloride level of non-detect, a Gasoline Range Organics (GRO) reading of non-detect and a Diesel Range Organics (DRO) reading of 28.6 mg/kg. The area around Point 1 and Point 2 were excavated to 1 ft bgs and a 5 point composite sample was taken from the base of the excavation and sent to a commercial laboratory for analysis. Laboratory analysis returned a chloride value of 432 mg/kg, a GRO value of 15.8 mg/kg and a DRO value of 555 mg/kg. A total of 168 yards of contaminated soil were exported and disposed of at a NMOCD approved facility. A total of 300 yards of base course were imported for backfill. A 5 point composite sample of the imported soil was taken and sent to a commercial laboratory for analysis. Laboratory analysis returned a chloride level of <16 mg/kg. The site was backfilled with the clean, imported soil and contoured to the surrounding location.

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.

OIL CONSERVATION DIVISION

Signature: 
Printed Name: SEAN ROBINSON
Title: OPERATIONS SUPERVISOR
E-mail Address: sean.robinson@cop.com
Date: 1-7-16 Phone: 575-391-3147

Approved by Environmental Specialist: 

Approval Date: 02/01/2016

Expiration Date: ///

Conditions of Approval:

///

Attached ☐

1RP 3116

* Attach Additional Sheets If Necessary