



November 19, 2019

Bradford Billings
Hydrologist
District 2 Artesia
Oil Conservation Division
Santa Fe, NM 87505
Hobbs, New Mexico, 88240

**Subject: Closure Letter Report
ConocoPhillips
EVGSAU 3127-398 Injection Line Release
Unit Letter J, Section 31, Township 17 South, Range 15 East
Lea County, New Mexico
1RP-3235**

Mr. Billings:

On behalf of ConocoPhillips Company (ConocoPhillips), Tetra Tech, Inc. (Tetra Tech) submits the following Closure Report for review. The ConocoPhillips East Vacuum Grayburg San Andres Unit (EVGSAU) 3127-398 well is located approximately 14 miles southwest of Lovington in Lea County, New Mexico (Figure 1). The well listed in the C-141 is API # 30-025-38853 and its coordinates are N 32.7881279°, W - 103.4954071°. The release occurred from a ruptured fiberglass injection line. The coordinates of the approximate release location are 32.788178°, -103.495021°.

Background

According to the State of New Mexico C-141 Initial Report (Attachment A), on August 12, 2014, a discharge of 8.26 barrels (bbls) of produced water occurred at the EVGSAU 3127-398. While checking wells, the Multi-Skill Operator (MSO) discovered a 2" fiberglass injection line had ruptured. MSO shut in the line and submitted a work order to repair the line. The spill area was reported as 129 ft. x 69 ft. x 1 inch deep, resulting in 8.26 barrels of produced water, all in pasture, with none recovered.

Site Characterization

A site characterization was performed and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances and the site is in a low karst potential area.

Based on data from the New Mexico Office of the State Engineer (NMOSE), there are twelve water wells located in Section 31, Township 17 South, and Range 35 East. The average depth to water is 115 feet. The groundwater data is shown in Attachment B.

Release Characterization Summary

Basin Environmental Service Technologies (Basin) was retained by ConocoPhillips in 2015 to assess and define the extent of soils impacted by the release. A Corrective Action Plan (CAP) dated July 27, 2015 was submitted for 1RP-3235 to the New Mexico Oil Conservation Division (NMOCD) and was approved by NMOCD on July 28, 2015. Attachment C presents a copy of the CAP for the EVGSAU 3127-398 injection line release. According to the CAP, three locations (PT-1, PT-2 and PT-3) were investigated on July 15, 2015 within the perimeter of the release area. Figure 1 within the CAP identifies the soil sample locations, site assessment photos and a copy of the initial analytical report by Cardinal Laboratory in Hobbs, NM.

TETRA TECH

8911 N. Capital of Texas Hwy, Building 2, Suite 2310, Austin, TX, 78759

Tel 512-338-1667 Fax 512-338-1331 www.tetrattech.com

Bradford Billings
NMOCD
November 19, 2019

A total of six (6) soil samples were submitted from the three sample locations and analyzed for TPH by Environmental Protection Agency (EPA) Method 8015M and chlorides by EPA Method SM4500Cl-B. Table 1 is included with assessment sampling laboratory results.

Remediation Activities

According to historical documents obtained within NMOCD Imaging, it appears that Basin personnel conducted site remediation activities in August 2015. A figure entitled Proposed Excavation (dated 8/7/2015) and submitted to NMOCD, indicates a portion of the release area around Point #1 a(s shown in CAP figure dated 6/26/2015) was excavated down two feet below ground surface. These remedial activities are consistent with those proposed in the approved CAP. A copy of the laboratory analytical report from the confirmation sampling events was marked received by the NMOCD on August 7, 2015. Attachment D presents the Basin figure illustrating the sample locations and excavation boundary for the EVGSAU 3127-398 Injection Line release site.

Two (2) bottom sample locations were analyzed for TPH (TPH-DRO and TPH-GRO, Method 8015B), and chlorides by EPA Method SM4500Cl-B. Attachment E contains a copy of the laboratory analytical report from the confirmation sampling event. Table 2 provides a summary of the confirmation sampling laboratory results. Both bottom sample location analytical results are below the closure criteria limits of 600 mg/kg for chlorides. It is assumed this area is backfilled as detailed in the CAP.

Revegetation

From review of recent aerial photography, it appears that the formerly impacted surface areas are restored to the conditions that existed prior to the release in accordance with 19.15.29.13 NMAC.

Conclusion

Based on the soil assessment and reported remediation work performed at the site, ConocoPhillips requests closure for this release. The final C-141 form is enclosed in Attachment A.

Should you have any questions or comments regarding this report, please do not hesitate to contact me by telephone at 512-338-2861 or by email at christian.llull@tetrattech.com.

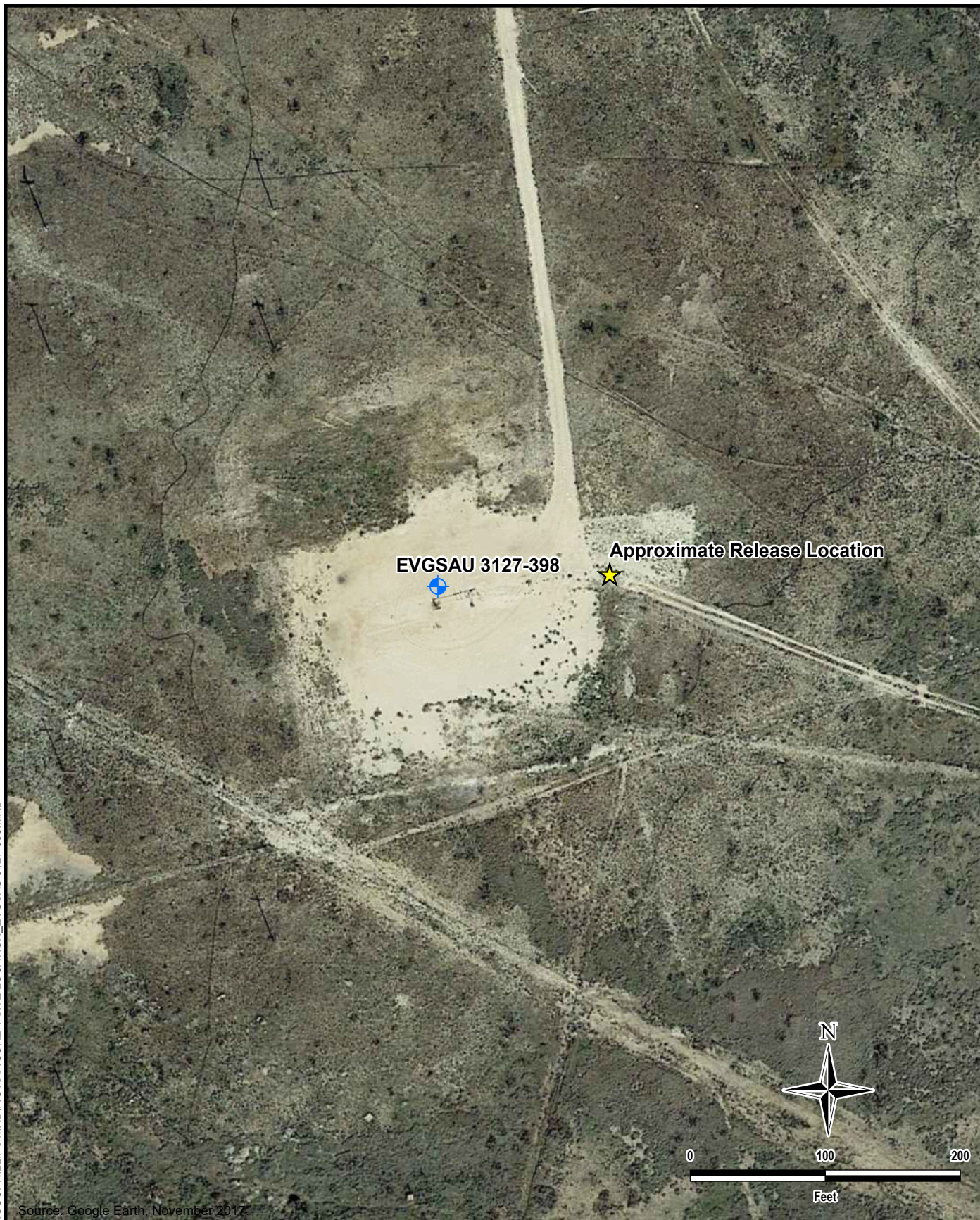
Sincerely,



Christian M. Llull
Project Manager
Tetra Tech, Inc.

TETRA TECH

FIGURE



Source: Google Earth, November 2017

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\FIG1\FIGURE 1 SITE LOCATION EVGSAU 3127-398.MXD



TETRA TECH

www.tetrattech.com

901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

CONOCOPHILLIPS

1RP-3235
(32.788178°, -103.495021°)
LEA COUNTY, NEW MEXICO

**EVGSAU 3127-398 INJECTION LINE RELEASE
SITE LOCATION MAP**

PROJECT NO.: 212C-MD-01796

DATE: NOVEMBER 05, 2019

DESIGNED BY: AAM

Figure No.

1

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
INITIAL SOIL ASSESSMENT
EVGSAU 3127-398 INJECTION LINE RELEASE
LEA COUNTY, NEW MEXICO
1RP-3235

Sample ID	Sample Date	Sample Interval	Chloride ¹	TPH ²			
				GRO		DRO	
				C ₆ - C ₁₀		>C ₁₀ - C ₂₈	
				mg/kg	Q	mg/kg	Q
Point-1	07/15/15	Surface	4,160	<10.0		<10.0	
	07/16/15	1	1070	< 10.0		< 10.0	
Point-2	07/15/19	Surface	<16	<10.0		<10.0	
	07/16/15	0.5	< 16	<10.0		< 10.0	
Point-3	07/15/19	Surface	<16	<10.0		<10.0	
	07/15/19	0.5	<16	<10.0		<10.0	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

1 Method SM 4500Cl-B

2 Method 8015M

DRO Diesel Range Organics

GRO Gasoline Range Organics

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SOIL SAMPLING
EVGSAU 3127-398 INJECTION LINE RELEASE
LEA COUNTY, NEW MEXICO
1RP-3235

Sample ID	Sample Date	Sample Interval	Chloride ¹	TPH ²			
				GRO		DRO	
				C ₆ - C ₁₀		>C ₁₀ - C ₂₈	
		ft. bgs	mg/kg	mg/kg	Q	mg/kg	Q
Excavation Point-1	08/05/15	2	32	<10.0		<10.0	
Excavation Point-2	08/06/15	2	80	<10.0		13.7	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

1 Method SM 4500Cl-B

2 Method 8015M

DRO Diesel Range Organics

GRO Gasoline Range Organics

ATTACHMENT A C-141 Forms

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: Spencer Cluff
Address: 29 Vacuum Complex Lane	Telephone No. 575-391-3143
Facility Name: EVGSAU 3127-398	Facility Type: Flow Line
Surface Owner: NMOCD	Mineral Owner NMOCD API No. 3002534835

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	31	17S	35E	1415	South	2140	East	LEA

Latitude **32.7881322662248** Longitude - **103.495437112899**

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 8.26 BBLS	Volume Recovered: 0 BBLS
Source of Release: 2" fiber glass injection line	Date and Hour of Occurrence 08/12/14 2:00 pm	Date and Hour of Discovery 08/13/2014 7:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Tomas Oberding	
By Whom? Spencer Cluff	Date and Hour: 08/13/2014 2:05 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.*

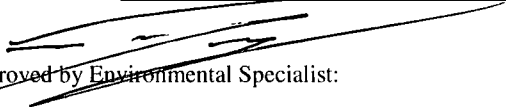
Describe Cause of Problem and Remedial Action Taken.*

On Tuesday, Aug. 12, 2014 at 1400 hrs. MST, a discharge of 8.26 BPW occurred at **EVGSAU 3127-398**. While checking wells, MSO discovered a 2" fiberglass injection line had ruptured. MSO shut in the line and submitted a work order to repair the line. The spill area is 129 ft. X 69 ft. X 1 inch deep, resulting in 8.26 BPW, all in pasture, with non-recovered. The spill area will be remediated according to NMOCD guidelines.

Describe Area Affected and Cleanup Action Taken.*

MSO shut in the line and submitted a work order to repair the line. The spill area is 129 ft. X 69 ft. X 1 inch deep, resulting in 8.26 BPW, all in pasture, with non-recovered. The spill 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.

Signature: <i>Spencer A. Cluff</i>		OIL CONSERVATION DIVISION  Approved by Environmental Specialist:	
Printed Name: Spencer Cluff			
Title: HSE Lead	Approval Date: 8-13-14	Expiration Date: 10-15-14	
E-mail Address: spencer.a.cluff@conocophillips.com	Conditions of Approval: <i>Site Samples upon Release & include area as per NMOCD guides.</i>		Attached <input type="checkbox"/> IRP-3235 <i>09rid 217817</i> <i>NTO 1422 557350</i> <i>P70 1422 557501</i>
Date: 08/13/2014 Phone: 575-391-3143	<i>Submit Final C-141 by 10-15-14</i> AUG 14 2014		

* Attach Additional Sheets If Necessary

Incident ID	NT01422628009
District RP	
Facility ID	
Application ID	

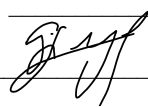
Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____
Signature:  Date: _____
email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 04/13/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 04/13/2023
Printed Name: Jocelyn Harimon Title: Environmental Specialist

ATTACHMENT B
NMOSE Groundwater Data



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 03873	L	LE		3	2	1	31	17S	35E	640421	3629674*	230	88	142
L 03874	L	LE		3	1	2	31	17S	35E	640823	3629678*	229	90	139
L 03875 S2	R	L	LE			2	31	17S	35E	641131	3629576*	120	95	25
L 03875 S4	L	LE				2	31	17S	35E	641131	3629576*	120		
L 04247 POD5	L	LE		3	1	3	31	17S	35E	640040	3628781	235	95	140
L 04247 POD6	L	LE		2	1	3	31	17S	35E	640299	3629074	232	117	115
L 04247 POD7	L	LE		1	3	3	31	17S	35E	640054	3628747		240	
L 13804 POD1	L	LE		2	2	1	31	17S	35E	640572	3629790	157	115	42
L 13804 POD2	L	LE		2	2	1	31	17S	35E	640532	3629826	130	115	15
L 14183 POD1	L	LE		3	2	2	31	17S	35E	641266	3629667	229	106	123
L 14183 POD2	L	LE		3	2	2	31	17S	35E	641304	3629691	227	105	122
L 14183 POD3	L	LE		3	2	2	31	17S	35E	641213	3629731	227	104	123

Average Depth to Water: **115 feet**

Minimum Depth: **88 feet**

Maximum Depth: **240 feet**

Record Count: 12

PLSS Search:

Section(s): 31

Township: 17S

Range: 35E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/9/19 1:06 PM





Page 1 of 1

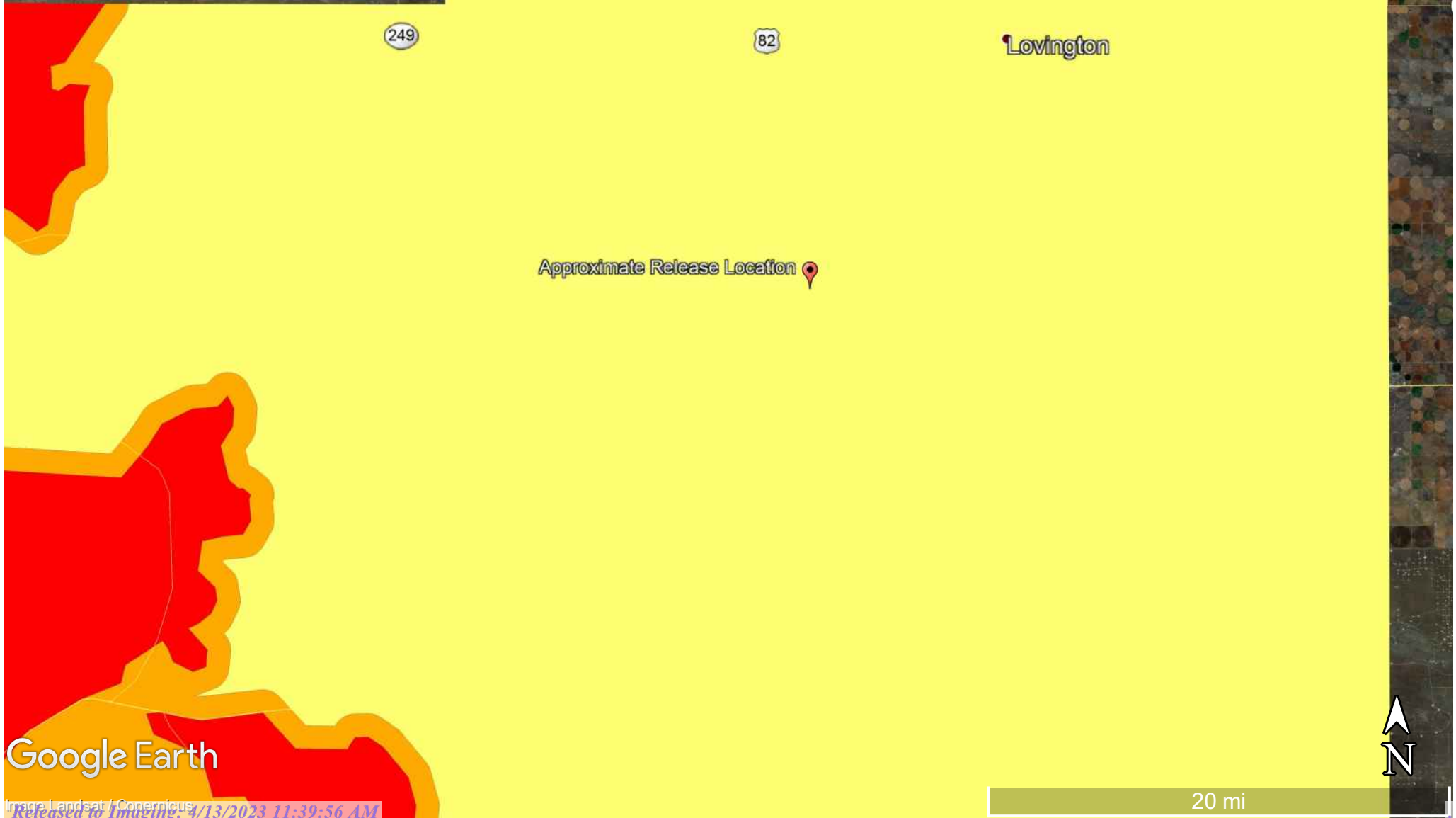
WATER COLUMN/ AVERAGE
DEPTH TO WATER

Karst Potential Map

EVGSAU 3127-398 Injection Line Release

Legend

-  Approximate Release Location
-  High
-  Low
-  Medium



Google Earth

20 mi



ATTACHMENT C
Corrective Action Plan (Basin, 2015)

RECEIVED

By OCD District 1 at 8:35 am, Jul 28, 2015

APPROVED

By OCD District 1 at 8:35 am, Jul 28, 2015

ConocoPhillips

CONOCOPHILLIPS

P.O. Box 2197

Houston, TX 77252-2197

Phone 281.293.1000

EVGSAU 3127-398

(1RP-3235)

Corrective Action Plan

API No. 30-025-34835

Release Date: August 12th, 2014

Unit Letter J, Section 31, Township 17S, Range 35E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

July 27, 2015

Kellie 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 EVGSAU 3127-398 (1RP-3235)
UL/J sec. 31 T17S R35E
API No. 30-025-34835**

Ms. Jones:

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 1.1 miles southeast of Buckeye, New Mexico at UL/J sec. 31 T17S R35E. NM OSE, BLM and Basin installed monitor well records indicate that groundwater will likely be encountered at a depth of approximately 109 +/- feet.

On August 12th, 2014, CoP discovered that a 2 inch fiberglass injection line had ruptured, releasing 8.26 barrels of produced water over 2,264 sq ft of pasture. None of this fluid was recovered. NMOCD was notified of the release on August 13th, 2014, and an initial C-141 was submitted to NMOCD for approval. NMOCD approved the C-141 on August 13th, 2014 (Appendix A).

Basin personnel were on site to assess the release on June 26th, 2015. The release was mapped and photographed (Appendix B). On July 15th, 2015, the release was sampled at the surface and with depth. Representative samples were sent to a commercial laboratory for analysis. Laboratory analysis for Point 1 returned elevated chloride concentrations 4,160 mg/kg at the surface and 1,070 mg/kg at 1 ft bgs. Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) both returned values of non-detect. Laboratory analysis of Points 2 and 3 revealed chloride, GRO and DRO values of non-detect at the surface and at 6 in bgs (Appendix C).

Based on this assessment, the release area around Point 1 will be excavated to 2 ft bgs (Figure 1). Once the excavation is complete, discreet bottom samples will be taken and field tested for chlorides and organic vapors. If the field data indicates that the samples will not achieve

chloride, GRO and DRO readings below regulatory standards, the excavation will be deepened until field testing indicates that all constituents from the 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 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 use as backfill. A sample of the imported soil will be taken to a commercial laboratory to confirm that the chloride reading is below regulatory standards. The excavation will be backfilled with the clean, imported soil. Once the backfill is complete, the backfilled excavation, as well as the area around Points 2 and 3, will be seeded with a blend of native vegetation.

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

Basin 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,

A handwritten signature in black ink that reads "Kyle Norman". The signature is fluid and cursive, with a long horizontal line extending from the end of the name.

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

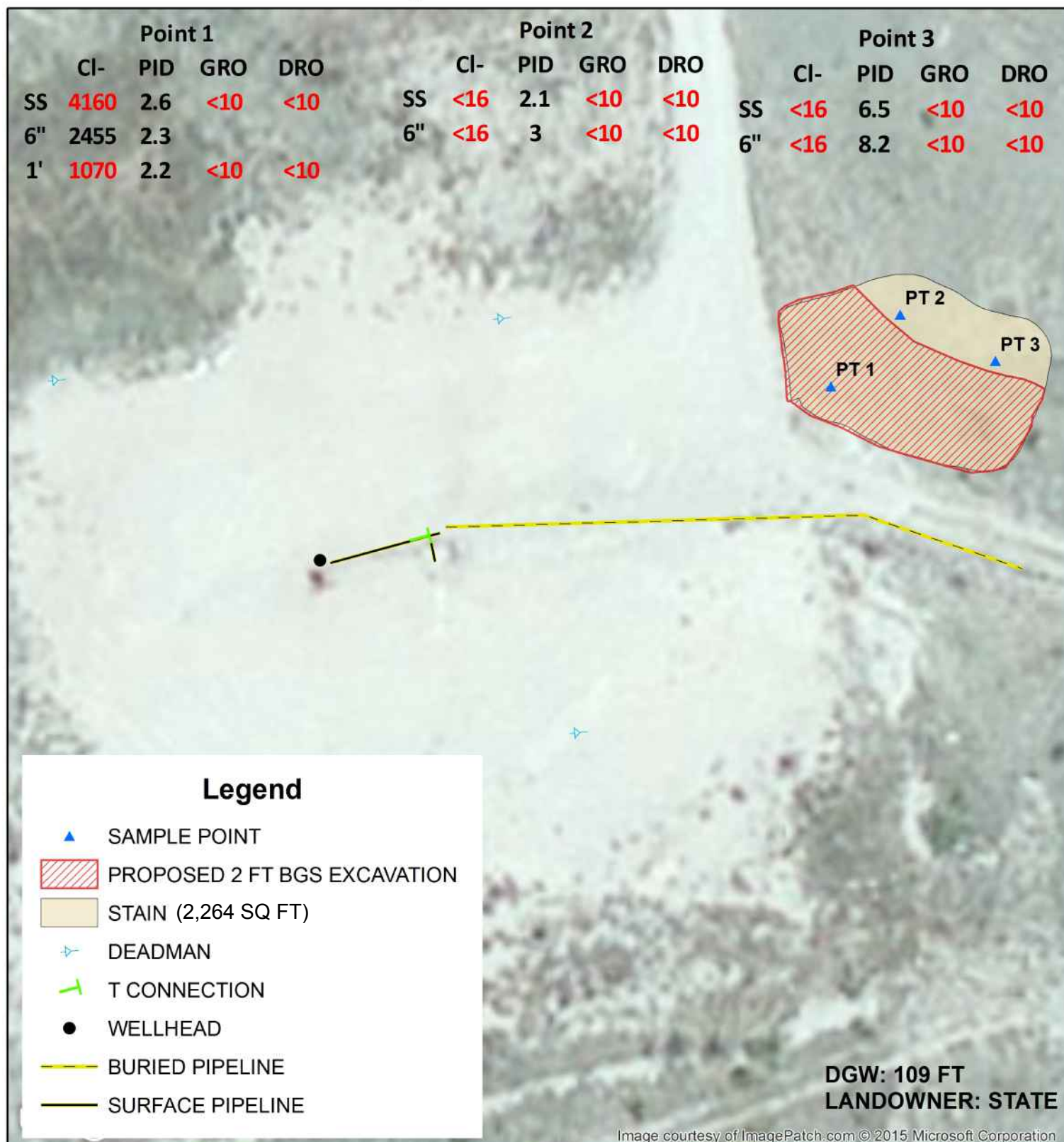
Attachments:

- Figure 1 – Proposed Excavation
- Appendix A – Initial C-141
- Appendix B – Photo Documentation
- Appendix C – Laboratory Analysis

Figures

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

Proposed Excavation



CONOCOPHILLIPS
EVGSAU 3127-398

1RP-3235

Legals: UL/J sec. 31
T-17-S R-35-E
LEA COUNTY, NM

Figure 1

GPS: 32.788178, -103.495021

0 25 50 Feet

GPS date: 6/26/15 CF
Drawing date: 7/22/15
Drafted by: C. Ursanic



Appendix A

Intial C-141

Basin Environmental Service Technologies
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: Spencer Cluff
Address: 29 Vacuum Complex Lane	Telephone No. 575-391-3143
Facility Name: EVGSAU 3127-398	Facility Type: Flow Line
Surface Owner: NMOCD	Mineral Owner NMOCD API No. 3002534835

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	31	17S	35E	1415	South	2140	East	LEA

Latitude **32.7881322662248** Longitude - **103.495437112899**

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 8.26 BBLS	Volume Recovered: 0 BBLS
Source of Release: 2" fiber glass injection line	Date and Hour of Occurrence 08/12/14 2:00 pm	Date and Hour of Discovery 08/13/2014 7:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Tomas Oberding	
By Whom? Spencer Cluff	Date and Hour: 08/13/2014 2:05 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.*

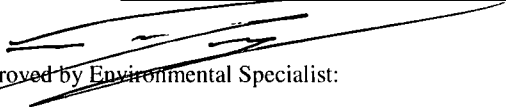
Describe Cause of Problem and Remedial Action Taken.*

On Tuesday, Aug. 12, 2014 at 1400 hrs. MST, a discharge of 8.26 BPW occurred at **EVGSAU 3127-398**. While checking wells, MSO discovered a 2" fiberglass injection line had ruptured. MSO shut in the line and submitted a work order to repair the line. The spill area is 129 ft. X 69 ft. X 1 inch deep, resulting in 8.26 BPW, all in pasture, with non-recovered. The spill area will be remediated according to NMOCD guidelines.

Describe Area Affected and Cleanup Action Taken.*

MSO shut in the line and submitted a work order to repair the line. The spill area is 129 ft. X 69 ft. X 1 inch deep, resulting in 8.26 BPW, all in pasture, with non-recovered. The spill 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.

Signature: <i>Spencer A. Cluff</i>		OIL CONSERVATION DIVISION  Approved by Environmental Specialist:	
Printed Name: Spencer Cluff			
Title: HSE Lead	Approval Date: 8-13-14	Expiration Date: 10-15-14	
E-mail Address: spencer.a.cluff@conocophillips.com	Conditions of Approval: <i>Site samples upon Release & include area as per NMOCD guides.</i>		Attached <input type="checkbox"/>
Date: 08/13/2014	Phone: 575-391-3143	<i>Submit Final C-141 by 10-15-14</i> AUG 14 2014	

* Attach Additional Sheets If Necessary

*09rid 217817
NTO 1422 557350
PTO 1422 557501*

Appendix B

Photo Documentation

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

ConocoPhillips EVGSAU 3127-398

Unit Letter J, Section 31, T17S, R35E



Initial release area, facing southeast

6/26/15



Initial release area, facing northwest

6/26/15



Initial release area, facing southeast

6/26/15

Appendix C

Laboratory Analysis

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



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

July 20, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 3127-398

Enclosed are the results of analyses for samples received by the laboratory on 07/17/15 11:42.

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



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

Analytical Results For:

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

Received:	07/17/2015	Sampling Date:	07/15/2015
Reported:	07/20/2015	Sampling Type:	Soil
Project Name:	EVGSAU 3127-398	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: POINT 1 @ SURFACE (H501850-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	07/20/2015	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	07/17/2015	ND	179	89.5	200	12.7		
DRO >C10-C28	<10.0	10.0	07/17/2015	ND	161	80.7	200	16.2		
Surrogate: 1-Chlorooctane	91.6 %	47.2-157								
Surrogate: 1-Chlorooctadecane	97.8 %	52.1-176								

Sample ID: POINT 2 @ SURFACE (H501850-02)

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	07/20/2015	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	07/17/2015	ND	179	89.5	200	12.7		
DRO >C10-C28	<10.0	10.0	07/17/2015	ND	161	80.7	200	16.2		
Surrogate: 1-Chlorooctane	87.5 %	47.2-157								
Surrogate: 1-Chlorooctadecane	93.0 %	52.1-176								

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

Analytical Results For:

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

Received: 07/17/2015
 Reported: 07/20/2015
 Project Name: EVGSAU 3127-398
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 07/15/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Judy Garcia

Sample ID: POINT 3 @ SURFACE (H501850-03)

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	07/20/2015	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	07/17/2015	ND	179	89.5	200	12.7	
DRO >C10-C28	<10.0	10.0	07/17/2015	ND	161	80.7	200	16.2	
Surrogate: 1-Chlorooctane		82.7 %	47.2-157						
Surrogate: 1-Chlorooctadecane		88.2 %	52.1-176						

Sample ID: POINT 3 @ 6" (H501850-04)

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	07/20/2015	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	07/17/2015	ND	179	89.5	200	12.7	
DRO >C10-C28	<10.0	10.0	07/17/2015	ND	161	80.7	200	16.2	
Surrogate: 1-Chlorooctane	80.7 %	47.2-157							
Surrogate: 1-Chlorooctadecane	87.0 %	52.1-176							

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

Analytical Results For:

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

Received:	07/17/2015	Sampling Date:	07/16/2015
Reported:	07/20/2015	Sampling Type:	Soil
Project Name:	EVGSAU 3127-398	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: POINT 1 @ 1' (H501850-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	07/20/2015	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	07/18/2015	ND	179	89.5	200	12.7	
DRO >C10-C28	<10.0	10.0	07/18/2015	ND	161	80.7	200	16.2	
Surrogate: 1-Chlorooctane	90.4 %	47.2-157							
Surrogate: 1-Chlorooctadecane	96.8 %	52.1-176							

Sample ID: POINT 2 @ 6" (H501850-06)

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	07/20/2015	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	07/18/2015	ND	179	89.5	200	12.7	
DRO >C10-C28	<10.0	10.0	07/18/2015	ND	161	80.7	200	16.2	
Surrogate: 1-Chlorooctane	84.6 %	47.2-157							
Surrogate: 1-Chlorooctadecane	90.7 %	52.1-176							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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

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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

RUSH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ConocoPhillips				BILL TO				ANALYSIS REQUEST																				
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 #: Project Owner:				City: Hobbs																								
Project Name: CoP				State: NM Zip: 88240																								
Project Location: EVGSAU 3127-348				Phone #: 575-393-2967																								
Sampler Name: Chris Flores				Fax #: 575-393-0293																								
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														
H501850	Point 1 @ Surface	G	1			✓				✓			7-15-2015	8:30 AM	X	✓												
2	Point 2 @ Surface	G	1			✓				✓				8:40 AM	X	✓												
3	Point 3 @ Surface	G	1			✓				✓				8:45 AM	X	✓												
4	Point 3 @ 6"	G	1			✓				✓				8:50 AM	X	✓												
5	Point 1 @ 1'	G	1			✓				✓			7-16-2015	9:10 AM	X	✓												
6	Point 2 @ 6"	G	1			✓				✓				9:20 AM	X	✓												

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Relinquished By:	Date: 7-17-2015 Time: 11:42	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date: 7/17/15 Time: 11:42	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	3.8c	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY:
REMARKS: email results: hconder@basinenv.com; knorman@basinenv.com; jkamplain@basinenv; lflores@basinenv; lweinheimer@basinenv; cursanic@basinenv; sedwards@basinenv environmental tech: cflores @basinenv			

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

#54

ATTACHMENT D

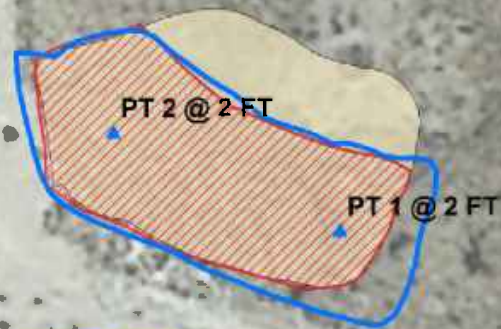
Confirmation Sampling Locations

RECEIVED

By OCD District 1 at 2:50 pm, Aug 07, 2015

Bottom Samples

	Cl-	PID	Lab Cl-	GRO	DRO
Point 1 @ 2'	149	0.5	32	<10	<10
Point 2 @ 2'	165	2.2	80	<10	13.7

**Legend**

- ▲ SAMPLE POINT
- EXCAVATION
- ▨ PROPOSED 2 FT BGS EXCAVATION
- STAIN
- ⚡ DEADMAN
- ⚡ T CONNECTION
- WELLHEAD
- BURIED PIPELINE
- SURFACE PIPELINE

DGW: 109 FT
LANDOWNER: STATE



CONOCOPHILLIPS
EVGSAU 3127-398

1RP-3235

Legals: UL/J sec. 31
T-17-S R-35-E
LEA COUNTY, NM

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

GPS: 32.788178, -103.495021

0 25 50
Feet

GPS date: 6/26/15, 8/6/15 CF

Drawing date: 8/7/15

Drafted by: B. Cooper



ATTACHMENT E
Analytical Report (Confirmation Sampling)



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

August 06, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 3127-398

Enclosed are the results of analyses for samples received by the laboratory on 08/05/15 15:02.

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



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

Analytical Results For:

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

Received:	08/05/2015	Sampling Date:	08/05/2015
Reported:	08/06/2015	Sampling Type:	Soil
Project Name:	EVGSAU 3127-398	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: EXCAVATION POINT 1 @ 2' (H502037-01)

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	08/06/2015	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	08/06/2015	ND	195	97.6	200	6.22	
DRO >C10-C28	<10.0	10.0	08/06/2015	ND	177	88.5	200	9.55	
Surrogate: 1-Chlorooctane	99.3 %	47.2-157							
Surrogate: 1-Chlorooctadecane	125 %	52.1-176							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



ORDINAL LABORATORIES

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

* RUSH *

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

August 07, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 3127-398

Enclosed are the results of analyses for samples received by the laboratory on 08/06/15 10:52.

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



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

Analytical Results For:

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

Received:	08/06/2015	Sampling Date:	08/06/2015
Reported:	08/07/2015	Sampling Type:	Soil
Project Name:	EVGSAU 3127-398	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: EXCAVATION POINT 2 @ 2' (H502042-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/07/2015	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	08/06/2015	ND	193	96.5	200	1.48	
DRO >C10-C28	13.7	10.0	08/06/2015	ND	175	87.5	200	2.76	
Surrogate: 1-Chlorooctane	106 %	47.2-157							
Surrogate: 1-Chlorooctadecane	123 %	52.1-176							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 204413

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 204413
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/13/2023