HOBBS OCD

APR 10 2014

RECEIVED

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company ConocoPhillips Company	Contact
Address 3300 North A St. Bldg 6, Midland, TX 79705	Telephone No.
Facility Name EVGSAU Central Tank Battery	Facility Type Oil and Gas

Surface Owner State of New Mexico	Mineral Owner State of New Mexico	Lease No Buckeye

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A&B	33	17S	35E					Lea

Latitude 13S 064488 Longitude 3629806

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 63.9 bbls	Volume Recovered 55 bbls
Source of Release Hole in the bottom of a 6 inch steel buried injection line	Date and Hour of Occurrence 11/10/12 0800	Date and Hour of Discovery 11/10/12 1030
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? E.L. Garcia, NMOCD	
By Whom? John Gates	Date and Hour 11/10/12 1630	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
ConocoPhillips employee was advised of a leak east of the central tank battery. Leak originated from a hole in a 6" steel injection line due to suspected corrosion. Vacuum truck was called to recover standing fluids.

Describe Area Affected and Cleanup Action Taken.* The release covered 6,808 sq ft of pasture land. On November 6th, 2013, RECS personnel were on site to assess the release. Soil samples were taken at the surface and at depth at three points within the release. The samples were taken to a commercial laboratory for analysis and returned chloride values above regulatory standards. Gasoline Range Organics (GRO) readings for all three points were non-detect and Diesel Range Organics (DRO) readings were non-detect, except at the surface of Point 1, where the DRO reading was 2,840 mg/kg. RECS met with NMOCD on January 3rd, 2014. Based on this meeting, a Corrective Action Plan (CAP) was submitted to NMOCD on January 7th, 2014, with recommendations given by NMOCD. NMOCD requested that a vertical be installed at Point 2 to determine at what depth the soil constituents decline below regulatory standards. NMOCD approved the CAP on January 10th, 2014. A vertical at Point 2 was installed on February 17th, 2014, with soil samples collected every 6 inches. The samples were sent to a commercial laboratory for analysis of chloride and hydrocarbons. The 4 ft sample resulted in a chloride concentration of 95 mg/kg, which decreased to 64 mg/kg at 4.5 ft. GRO and DRO concentrations were near or below detectable limits in both samples. RECS met with NMOCD at the site on February 19th, 2014. Given the number of lines within the release area and the rocky soil underlying the site, excavating the area presented hazardous conditions for committing line strikes. The attempted scrape created a total of 515 yards of contaminated soil taken to a NMOCD approved facility for disposal. Because of the high number of lines and the rocky soil, RECS recommended that the entire release area be covered with 1 foot of clay. The clay would be overlaid with 4 – 6 inches of base coarse. The clay would provide a cap over the release that would help prevent the migration of constituents in the vadose zone. The base coarse would be contoured such that the area slopes down to the east toward the adjacent pad. The slope would encourage any future releases to move across the site and to the pad for easier removal of fluid. Once the battery has been abandoned, the remaining contamination will be addressed. NMOCD verbally approved this plan on February 19th, 2014. Beginning on February 20th, 2014, the entire release area was covered with 1 foot of clay, followed by an overlay of 6 inches of base coarse. A total of 490 yards of clay and a total of 334 yards of base coarse were imported to the site. An eight point composite of the imported soil was taken to a commercial laboratory for analysis and returned a chloride value of 32 mg/kg. The base coarse was contoured such that the area sloped down to the east toward the adjacent pad. A berm was created around the site to prevent future release from exacerbating the site.

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: Sean Robinson	OIL CONSERVATION DIVISION
Printed Name: SEAN ROBINSON	Approved by Environmental Specialist: Environmental Specialist
Title: OPERATIONS SUPERVISOR	Approval Date: 4/10/14 Expiration Date: —
E-mail Address: Sean.T.Robinson@cop.com	Conditions of Approval: — Attached ☐
Date: 3-19-14 Phone: 575-390-8878	IRP-11-12-2867

* Attach Additional Sheets If Necessary

Approved

Diamondback?

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company ConocoPhillips Company	Contact John W. Gates
Address 3300 North A St. Bldg 6, Midland, TX 79705-5406	Telephone No. 505.391.3158
Facility Name EVGSAU Central Tank Battery	Facility Type Oil and Gas

Surface Owner State Of New Mexico	Mineral Owner State Of New Mexico	Lease No Buckeye

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A&B	33	17S	35E					Lea

Latitude 13S 064488 Longitude 3629806

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 63.9bbl (0oil, 63.9water)	Volume Recovered (0oil, 55water)
Source of Release Hole in the bottom of a 6 inch steel buried injection line	Date and Hour of Occurrence 11/10/12 0800	Date and Hour of Discovery 11/10/12 1030
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? E.L. Garcia NMOCD	
By Whom? John Gates	Date and Hour 11/10/12 1630	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Conocophillips employee was advised of a leak aeast of the central tank battery. Leak originated from a hole in a 6" steel injection line due to suspected corrosion. Vacuum truck was called to recover standing fluids.

Describe Area Affected and Cleanup Action Taken.*
Affected area s a80' X 30' X 4" area of location and grassy pasture land. Approximately 55 bbls of produced water was recovered.

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

Signature: John W. Gates	OIL CONSERVATION DIVISION
Printed Name: John W. Gates	Approved by District Supervisor:
Title: HSER Lead	Approval Date: / Expiration Date:
E-mail Address: John.W.Gates@conocophillips.com	Conditions of Approval: / Attached ☐
Date: 11/13/12 Phone: 505.391.3158	

- Attach Additional Sheets If Necessary

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company ConocoPhillips Company	Contact
Address 3300 North A St. Bldg 6, Midland, TX 79705	Telephone No.
Facility Name EVGSAU Central Tank Battery	Facility Type Oil and Gas

Surface Owner State of New Mexico	Mineral Owner State of New Mexico	Lease No Buckeye

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A&B	33	17S	35E					Lea

Latitude 13S 064488 Longitude 3629806

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 63.9 bbls	Volume Recovered 55 bbls
Source of Release Hole in the bottom of a 6 inch steel buried injection line	Date and Hour of Occurrence 11/10/12 0800	Date and Hour of Discovery 11/10/12 1030
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? E.L. Garcia, NMOCD	
By Whom? John Gates	Date and Hour 11/10/12 1630	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
ConocoPhillips employee was advised of a leak east of the central tank battery. Leak originated from a hole in a 6" steel injection line due to suspected corrosion. Vacuum truck was called to recover standing fluids.

Describe Area Affected and Cleanup Action Taken.* The release covered 6,808 sq ft of pasture land. On November 6th, 2013, RECS personnel were on site to assess the release. Soil samples were taken at the surface and at depth at three points within the release. The samples were taken to a commercial laboratory for analysis and returned chloride values above regulatory standards. Gasoline Range Organics (GRO) readings for all three points were non-detect and Diesel Range Organics (DRO) readings were non-detect, except at the surface of Point 1, where the DRO reading was 2,840 mg/kg. RECS met with NMOCD on January 3rd, 2014. Based on this meeting, a Corrective Action Plan (CAP) was submitted to NMOCD on January 7th, 2014, with recommendations given by NMOCD. NMOCD requested that a vertical be installed at Point 2 to determine at what depth the soil constituents decline below regulatory standards. NMOCD approved the CAP on January 10th, 2014. A vertical at Point 2 was installed on February 17th, 2014, with soil samples collected every 6 inches. The samples were sent to a commercial laboratory for analysis of chloride and hydrocarbons. The 4 ft sample resulted in a chloride concentration of 95 mg/kg, which decreased to 64 mg/kg at 4.5 ft. GRO and DRO concentrations were near or below detectable limits in both samples. RECS met with NMOCD at the site on February 19th, 2014. Given the number of lines within the release area and the rocky soil underlying the site, excavating the area presented hazardous conditions for committing line strikes. The attempted scrape created a total of 515 yards of contaminated soil taken to a NMOCD approved facility for disposal. Because of the high number of lines and the rocky soil, RECS recommended that the entire release area be covered with 1 foot of clay. The clay would be overlaid with 4 – 6 inches of base coarse. The clay would provide a cap over the release that would help prevent the migration of constituents in the vadose zone. The base coarse would be contoured such that the area slopes down to the east toward the adjacent pad. The slope would encourage any future releases to move across the site and to the pad for easier removal of fluid. Once the battery has been abandoned, the remaining contamination will be addressed. NMOCD verbally approved this plan on February 19th, 2014. Beginning on February 20th, 2014, the entire release area was covered with 1 foot of clay, followed by an overlay of 6 inches of base coarse. A total of 490 yards of clay and a total of 334 yards of base coarse were imported to the site. An eight point composite of the imported soil was taken to a commercial laboratory for analysis and returned a chloride value of 32 mg/kg. The base coarse was contoured such that the area sloped down to the east toward the adjacent pad. A berm was created around the site to prevent future release from exacerbating the site.

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: Sean Robinson	OIL CONSERVATION DIVISION
Printed Name: SEAN ROBINSON	Approved by Environmental Specialist: Environmental Specialist
Title: OPERATIONS SUPERVISOR	Approval Date: 4/10/14 Expiration Date: —
E-mail Address: Sean.T.Robinson@cop.com	Conditions of Approval: — Attached ☐
Date: 3-19-14 Phone: 575-390-8878	nRP-11-12-2867

* Attach Additional Sheets If Necessary

ConocoPhillips

CONOCOPHILLIPS

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

EVGSAU Central Tank Battery
(1RP-11-12-2867)

CAP Report & Termination Request

Release Date: November 10th, 2012

Unit Letter A&B, Section 33, Township 17S, Range 35E

Rice Environmental Consulting & Safety
P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

March 28th, 2014

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

RE: **Corrective Action Plan Report & Termination Request**
ConocoPhillips – EVGSAU Central Tank Battery (1RP-11-12-2867)
UL/A&B sec. 33 T17S R35E

Mr. Leking:

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

Background and Previous Work

The site is located approximately 2.8 miles east of Buckeye, New Mexico at UL/A&B sec. 33 T17S R35E. NM OSE and BLM records indicate that groundwater will likely be encountered at a depth of approximately 69 +/- feet.

On November 10th, 2012, CoP discovered a release of produced water from a hole in the bottom of a 6 inch steel buried injection line. The line released 63.9 barrels of produced water at the site, which covered 6,808 sq ft of pasture land. A vacuum truck was called to the site and recovered 55 barrels of produced water. NMOCD was notified of the release on November 10th, 2012 and an initial C-141 was sent to NMOCD for approval (Appendix A).

On November 6th, 2013, RECS personnel were on site to assess the release. Soil samples were taken at the surface and at depth at three points within the release (Figure 1). The samples were taken to a commercial laboratory for analysis and returned chloride values above regulatory standards. Gasoline Range Organics (GRO) readings for all three points were non-detect and Diesel Range Organics (DRO) readings were non-detect, except at the surface of Point 1, where the DRO reading was 2,840 mg/kg.

RECS met with NMOCD on January 3rd, 2014. Based on this meeting, a Corrective Action Plan (CAP) was submitted to NMOCD on January 7th, 2014, with recommendations given by NMOCD. NMOCD requested that a vertical be installed at Point 2 to determine at what depth the soil constituents decline below regulatory standards. Once the vertical was completed, the release would be scraped down 6 to 8 inches. All excavated soil would be taken to a NMOCD approved facility for disposal. Clean clay and caliche will be imported to the site to serve as backfill. The scraped release area would be backfilled with 4 inches of clay covered by 4 inches of caliche. The

site would then be contoured to the surrounding location. The remaining contamination at the site would be remediated during facility abandonment. NMOCD approved the CAP on January 10th, 2014.

A vertical at Point 2 was installed on February 17th, 2014, with soil samples collected every 6 inches. The samples were sent to a commercial laboratory for analysis of chloride and hydrocarbons. The 4 ft sample resulted in a chloride concentration of 95 mg/kg, which decreased to 64 mg/kg at 4.5 ft. GRO and DRO concentrations were near or below detectable limits in both samples (Appendix B).

RECS met with NMOCD at the site on February 19th, 2014. Given the number of lines within the release area (Figure 1) and the rocky soil underlying the site, excavating the area presented hazardous conditions for committing line strikes. The attempted scrape created a total of 75 yards of contaminated soil taken to a NMOCD approved facility for disposal. Because of the high number of lines and the rocky soil, RECS recommended that the entire release area be covered with 1 foot of clay. The clay would be overlaid with 4 – 6 inches of base coarse. The clay would provide a cap over the release that would help prevent the migration of constituents in the vadose zone.

The base coarse would be contoured such that the area slopes down to the east toward the adjacent pad. The slope would encourage any future releases to move across the site and to the pad for easier removal of fluid. Once the battery has been abandoned, the remaining contamination will be addressed. NMOCD verbally approved this plan on February 19th, 2014. On February 25th, 2014, a CAP Addendum was sent to NMOCD to verify the verbal changes to the CAP.

Corrective Action Plan Report

Beginning on February 20th, 2014, the entire release area was covered with 1 foot of clay, followed by an overlay of 6 inches of base coarse. A total of 490 yards of clay and a total of 334 yards of base coarse were imported to the site. An eight point composite of the imported soil was taken to a commercial laboratory for analysis and returned a chloride value of 32 mg/kg (Appendix C). The base coarse was contoured such that the area sloped down to the east toward the adjacent pad. A berm was created around the site to prevent future release from exacerbating the site.

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

Given that the site was capped with clay and base coarse, and the area contoured to move further releases from the site, Linn respectfully requests 'remediation termination' and site closure. A final C-141 for the site can be found in Appendix E.

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

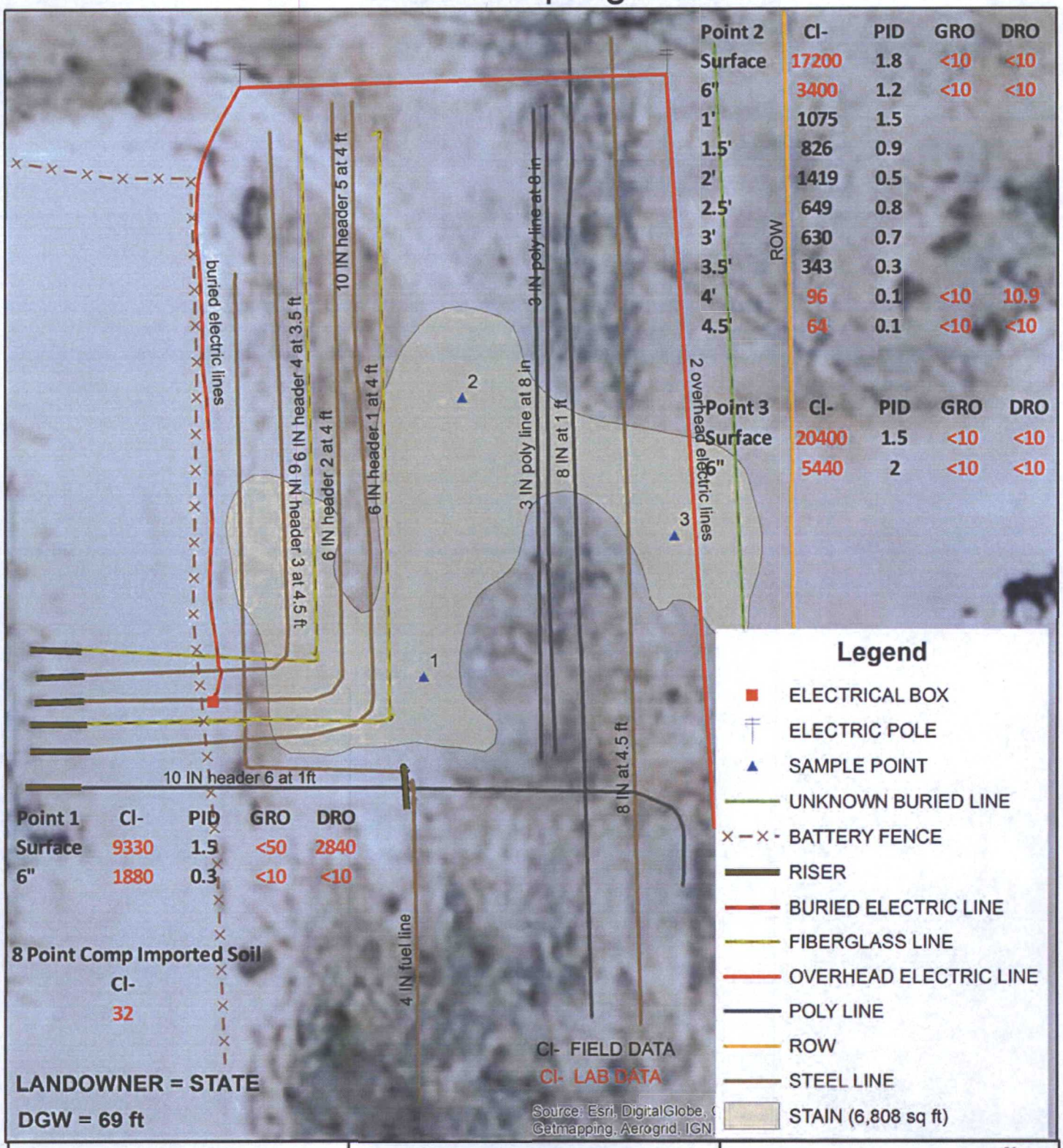
Sincerely,

Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

Figure 1 – Initial Sampling Data
Appendix A – Initial C-141
Appendix B – Vertical Installation Lab
Appendix C – Imported Soil Lab
Appendix D – Photo Documentation
Appendix E – Final C-141

Initial Sampling Data



RICE ENVIRONMENTAL RECS CONSULTING & SAFETY, LLC

CONOCOPHILLIPS EVGSAU CENTRAL TANK BATTERY

LEGALS: UL/A&B sec. 33
T-17-S R-35-E
LEA COUNTY, NM

Figure 1

N W E S

0 20 40 Feet

GPS date: 12/30/13 KN
Drawing date: 1/2/14
Drafted by: L. Flores

CARDINAL Laboratories

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

February 21, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU CENTRAL TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/17/14 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/17/2014	Sampling Date:	02/17/2014
Reported:	02/21/2014	Sampling Type:	Soil
Project Name:	EVGSAU CENTRAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: POINT 2 @ 4' (H400480-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	02/19/2014	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	02/20/2014	ND	194	96.8	200	13.2	
DRO >C10-C28	**10.9**	10.0	02/20/2014	ND	183	91.4	200	14.2	

Surrogate: 1-Chlorooctane	*94.2 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*96.7 %*	*63.6-154*

Sample ID: POINT 2 @ 4.5' (H400480-02)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	02/19/2014	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	02/20/2014	ND	194	96.8	200	13.2	
DRO >C10-C28	<10.0	10.0	02/20/2014	ND	183	91.4	200	14.2	

Surrogate: 1-Chlorooctane	*97.5 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*96.1 %*	*63.6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: RECS		BILL TO	
Project Manager: Kyle Norman		P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:		State: Zip:	
Project Location: EUGSAU Central tank Battery		Phone #:	
Sampler Name: Kyle Schmaidt		Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST	
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	Cl-	TPH
H400488																
1	Point 2 @ 4'	G	1			X					X		2-17-14	12:40	X	X
2	Point 2 @ 4.5'	G	1			X					X		2-17-14	12:45	X	X

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 consequental 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: Kyle Schmaidt	Date: 2-17-14 Time: 4:30	Received By: Jodi Henson	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials)	

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:
bconder@rice-ecs.com
lkhorman@rice-ecs.com
lwdinhimer@rice-ecs.com
lflores@rice-ecs.com
Kschmaidt@rice-ecs.com
szedwards@rice-ecs.com

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

#54

CARDINAL Laboratories

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

February 24, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU CENTRAL TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/18/14 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/18/2014	Sampling Date:	02/18/2014
Reported:	02/24/2014	Sampling Type:	Soil
Project Name:	EVGSAU CENTRAL TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 8 PT. COMP IMPORT SOIL (H400493-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: CK**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/23/2014	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: RECS		BILL TO	
Project Manager: Kyle Norman		P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:		State: Zip:	
Project Location: EVGSAU Central tank battery		Phone #:	
Sampler Name: Kyle Schnaidt		Fax #:	

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST
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	Cl-
H4D0493															
1	8pt composite import soil	C	1			X					X		2-18-14	11:10	X

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: Kyle Schnaidt	Date: 2-18-14 Time: 4:30	Received By: Jodi Henson	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials)	REMARKS: hcondor@rice-ecs.com Knorman@rice-ecs.com KSchnaidt@rice-ecs.com lflores@rice-ecs.com lweinheimer@rice-ecs.com

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

#454

ConocoPhillips EVGSAU Central Tank Battery

Unit Letter A&B, Section 33, T17S, R35E

Site prior, facing southwest 2/12/2014

Utilizing hydro-vac, facing northwest 2/12/2014

Excavating vertical, facing southwest 2/17/2014

Collecting sample, facing south 2/17/2014

Importing clay, facing south 2/17/2014

Scraping site, facing south 2/17/2014

Importing caliche, facing southeast 2/18/2014

Utilizing hydro-vac for scrape, facing northeast 2/19/2014

Backfilling scraped area with clay, facing north 2/20/2014

Backdragging scraped area, facing north 2/24/2014

Building berms, facing west 2/25/2014

Site completed, facing west 2/26/2014