



# CONOCOPHILLIPS

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

## EVGSAU 0546-002

1RP-10-12-2859

---

# Termination Request

API 300252693200

Release Date: October 23<sup>rd</sup>, 2012

Unit Letter G, Section 5, Township 18S, Range 35E

**May 21<sup>st</sup>, 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: Termination Request  
ConocoPhillips EVGSAU 0546-002 (1RP-10-12-2859)  
UL/G sec. 5 T18S R35E  
API No. 300252693200**

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 2.3 miles southeast of Buckeye, New Mexico at UL/G&H sec. 5 T18S R35E. NM OSE and BLM records indicate that groundwater will likely be encountered at a depth of approximately 67 +/- feet.

On October 23<sup>rd</sup>, 2012, a 1 inch wellhead steel injection line developed a hole due to corrosion and released 17 barrels of produced water over 12,915 square feet of lease pad and pasture land. None of the released fluid was recovered. An initial C-141 was signed by CoP on October 23<sup>rd</sup>, 2012 and sent to NMOCD for their approval (Appendix A).

On November 5<sup>th</sup>, 2013, RECS personnel were on site to assess the release. Soil samples were taken at the surface of the release and with depth. The samples were field tested for chlorides and organic vapors (Figure 1). Representative samples were sent to a commercial laboratory for analysis. Pt. 1 returned elevated chloride readings until 14 ft bgs where the laboratory chloride reading returned a result of 224 mg/kg. Pt. 2 was sampled only at the surface and returned a laboratory chloride reading of 3,200 mg/kg. Pt. 3 was sampled to 15 ft bgs and did not return laboratory chloride readings below regulatory limits throughout the entire vertical (Appendix B). Gasoline Range Organics (GRO) readings and Diesel Range Organics (DRO) readings for all laboratory sample points returned results of at or near non-detectable limits.

In order to determine the vertical extent of chloride contamination at Pt. 3, a soil bore was installed on November 26<sup>th</sup>, 2013 (Figure 2). As the bore was advanced, samples were taken every 3 ft and field tested for chlorides and for organic vapors. Representative samples from the bore were taken to a commercial laboratory for analysis. Laboratory chloride readings returned a result of 160 mg/kg at 18 ft bgs and 64 mg/kg at 21 ft bgs (Appendix C). GRO and DRO readings throughout the bore were returned values of non-detect.

On December 16<sup>th</sup>, 2013, a Corrective Action Plan (CAP) was submitted to NMOCD and was approved on December 18<sup>th</sup>, 2013. As part of the CAP, the release over the lease pad would be scraped to a depth of 1 ft bgs and the release area in the pasture would be excavated to a depth of 4 ft bgs. Per a Plains Pipeline Request, the excavation in the pasture would remain 20 ft away from their pipeline (Figure 3). At 4 ft bgs, grab samples from the walls of the pasture excavation would be taken to confirm that laboratory chloride readings are below 250 mg/kg. The excavated soil would be taken to a NMOCD approved facility for disposal. At the base of the pasture excavation, a 20-mil reinforced poly liner would be installed and properly seated. The excavations would be backfilled with clean, imported soil in the pasture and clean, imported caliche on the lease pad. The pasture area would have soil amendments added as necessary and then the area would be seeded.

RECS personnel were on site beginning on January 15<sup>th</sup>, 2014 to begin CAP work. The site was excavated to 4 ft bgs in the pasture area and scraped to a depth of 1 ft bgs on the lease pad (Figure 4). Once the excavation in the pasture was completed, grab samples from the walls of the excavation were field tested for chlorides and organic vapors, and all samples were taken to a commercial laboratory for analysis (Appendix D). All wall samples returned chloride values below regulatory limits. All excavated soil was taken to a NMOCD approved facility for disposal. Clean caliche and top soil were imported to the site to serve as backfill. A sample of the imported soil was taken to a commercial laboratory for analysis and returned a chloride value of 32 mg/kg.

The 4 ft bgs excavation was padded with 6 in of top soil to protect the liner from punctures. A 20-mil reinforced poly liner was installed and properly seated into the base of pasture excavation. The pasture was backfilled with the imported top soil and the lease pad was backfilled with the imported caliche. The backfilled excavations were contoured to the surrounding locations. On March 25<sup>th</sup>, 2014, the pasture area was tilled and then seeded with BLM mix #2.

Photo documentation of all activities can be found in Appendix E.

Given that CoP has completed the actions as stated in the approved CAP, CoP respectfully requests 'remediation termination' and site closure. A final C-141 will be found in Appendix F.

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,

A handwritten signature in dark ink, appearing to read 'Lara Weinheimer', with a stylized flourish at the end.

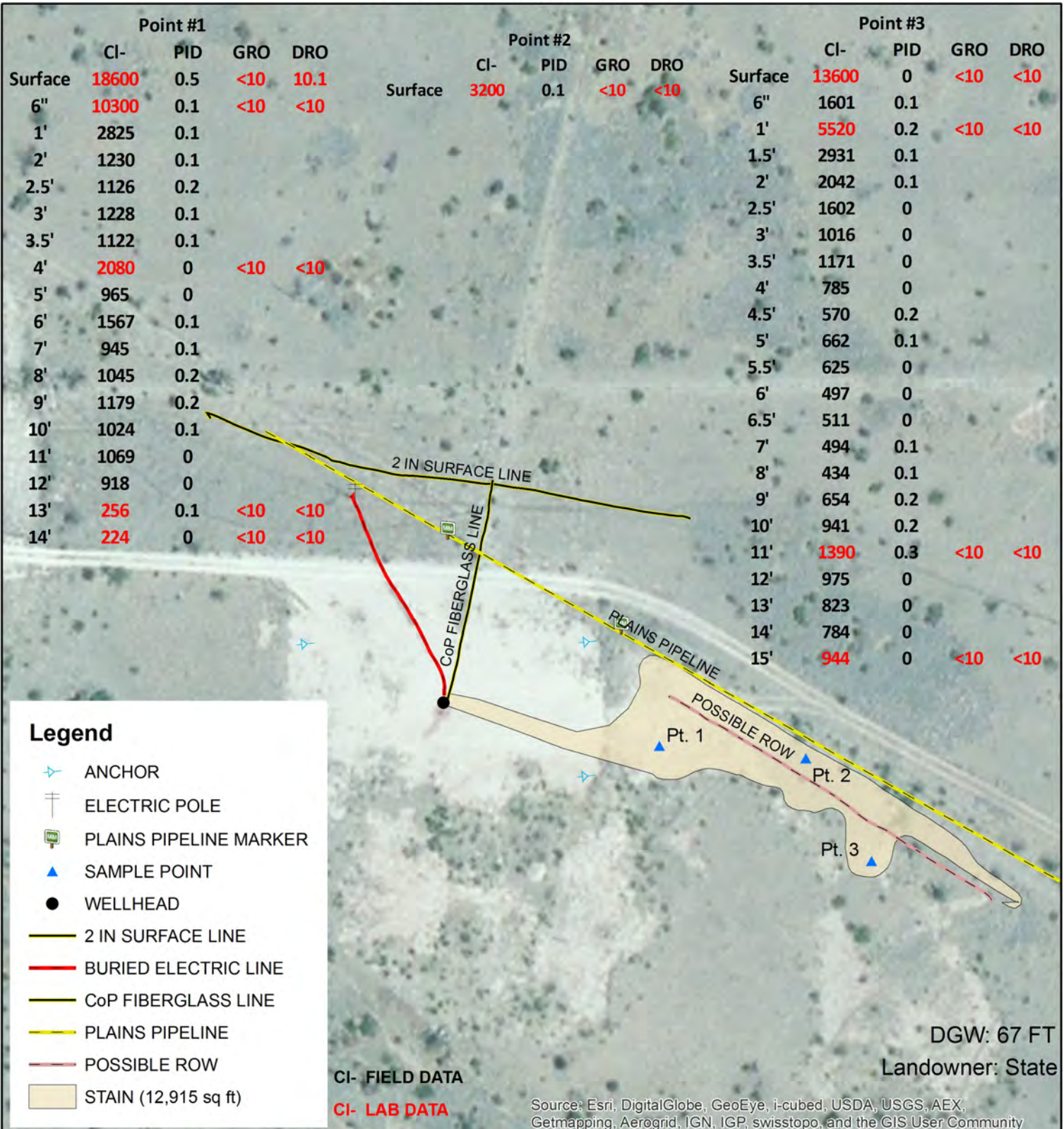
Lara Weinheimer  
Project Scientist  
RECS  
(575) 441-0431

Attachments:

- Figure 1 – Initial Sampling Data
- Figure 2 – Soil Bore Installation
- Figure 3 – Proposed Excavations and Liner Installation
- Figure 4 – Excavation Data
- Appendix A – Initial C-141
- Appendix B – Initial Sampling Lab
- Appendix C – Soil Bore Installation Lab
- Appendix D – CAP Laboratory Analyses
- Appendix E – Photo Documentation
- Appendix F – Final C-141

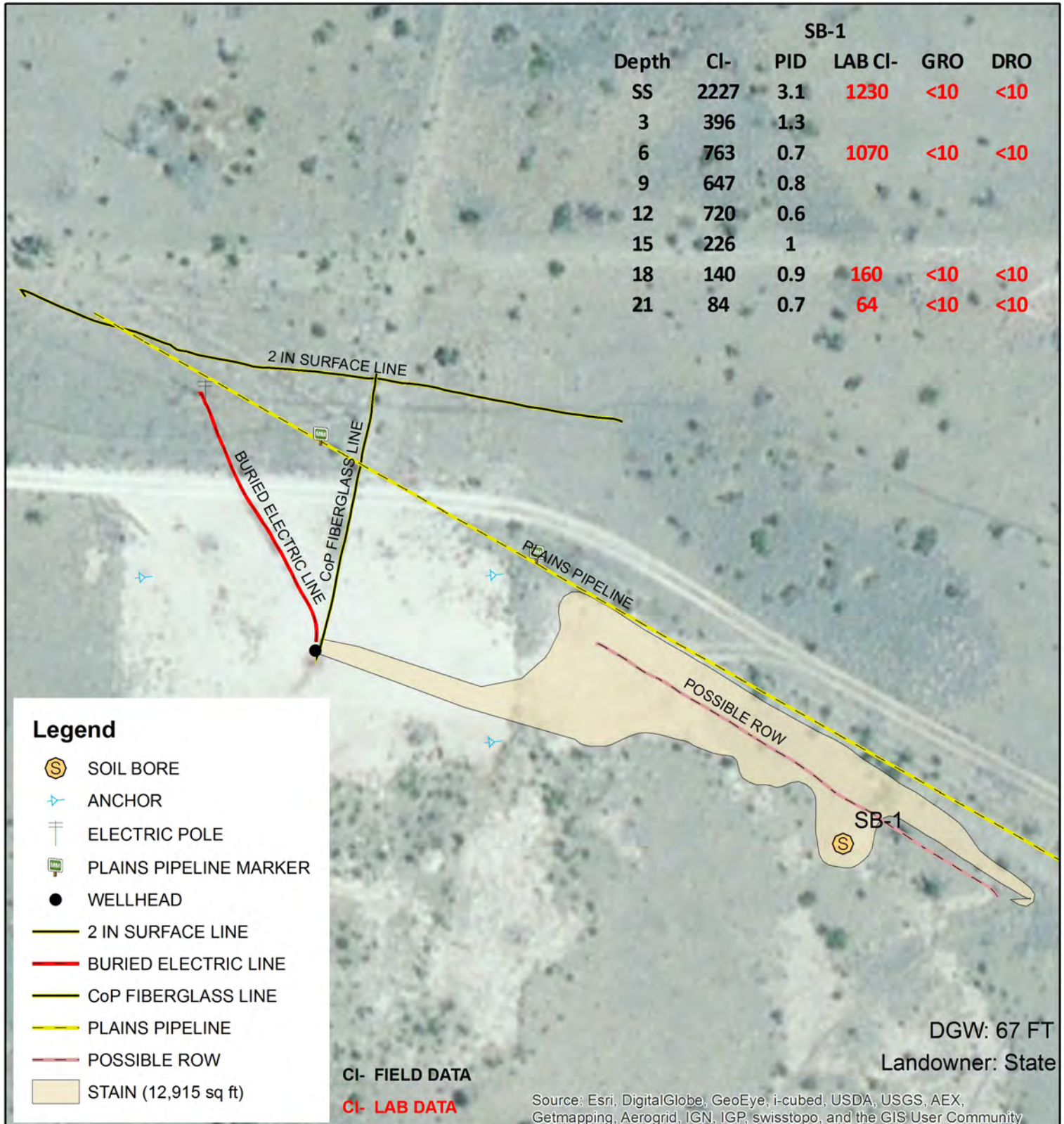
# Figures

# Initial Sampling Data





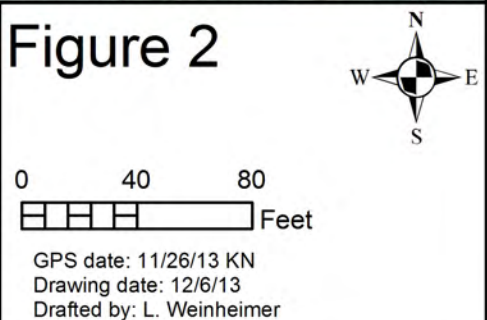
# Soil Bore Installation



**CONOCOPHILLIPS  
EVGSAU 0546-002**

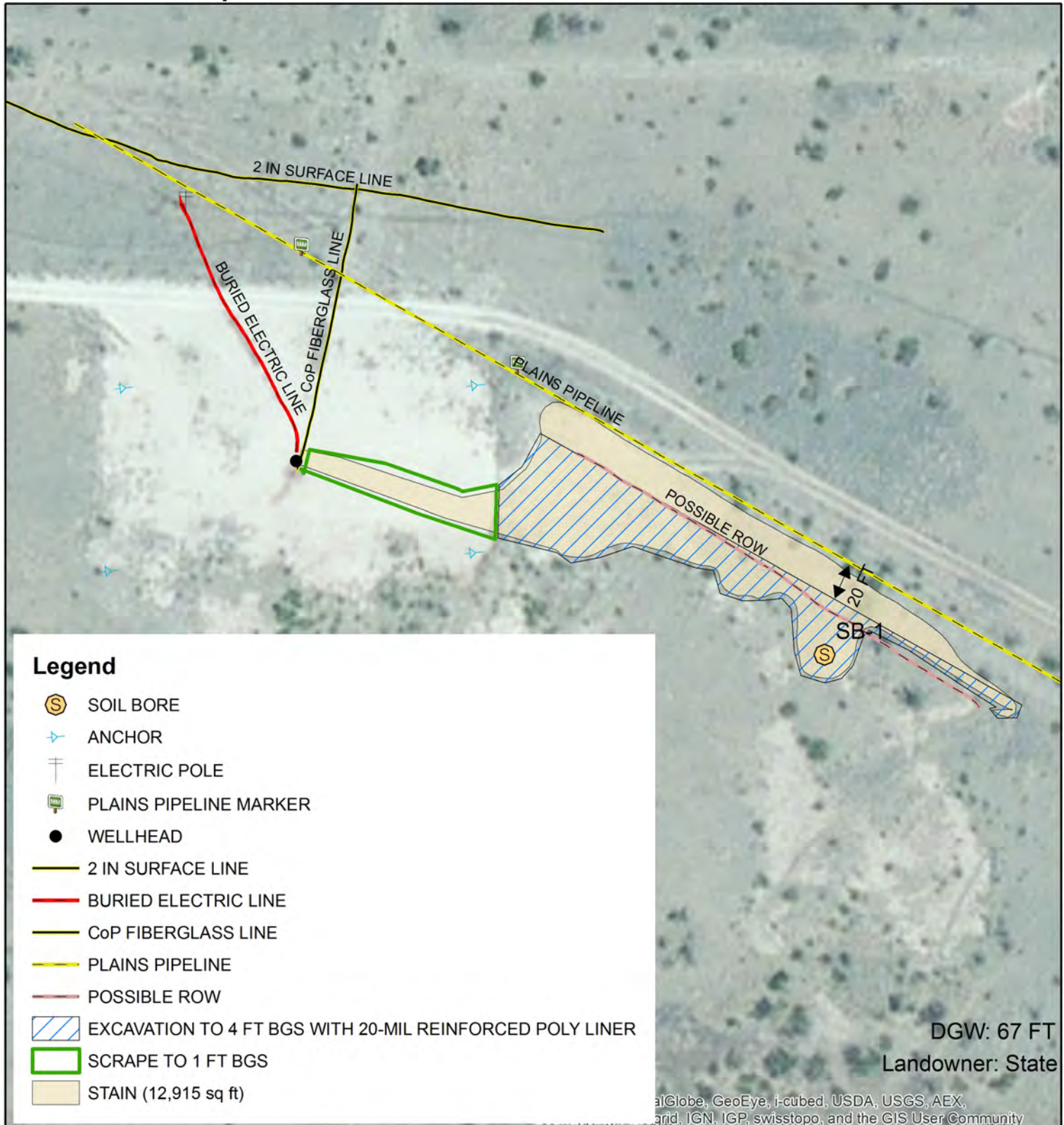
NMOCD CASE NO.  
1RP-10-12-2859  
LEGALS: UL/G&H sec. 5  
T-18-S R-35-E  
LEA COUNTY, NM

**Figure 2**





# Proposed Excavations and Liner Installation



**CONOCOPHILLIPS  
EVGSAU 0546-002**

NMOCD CASE NO.  
1RP-10-12-2859  
LEGALS: UL/G&H sec. 5  
T-18-S R-35-E  
LEA COUNTY, NM

**Figure 3**

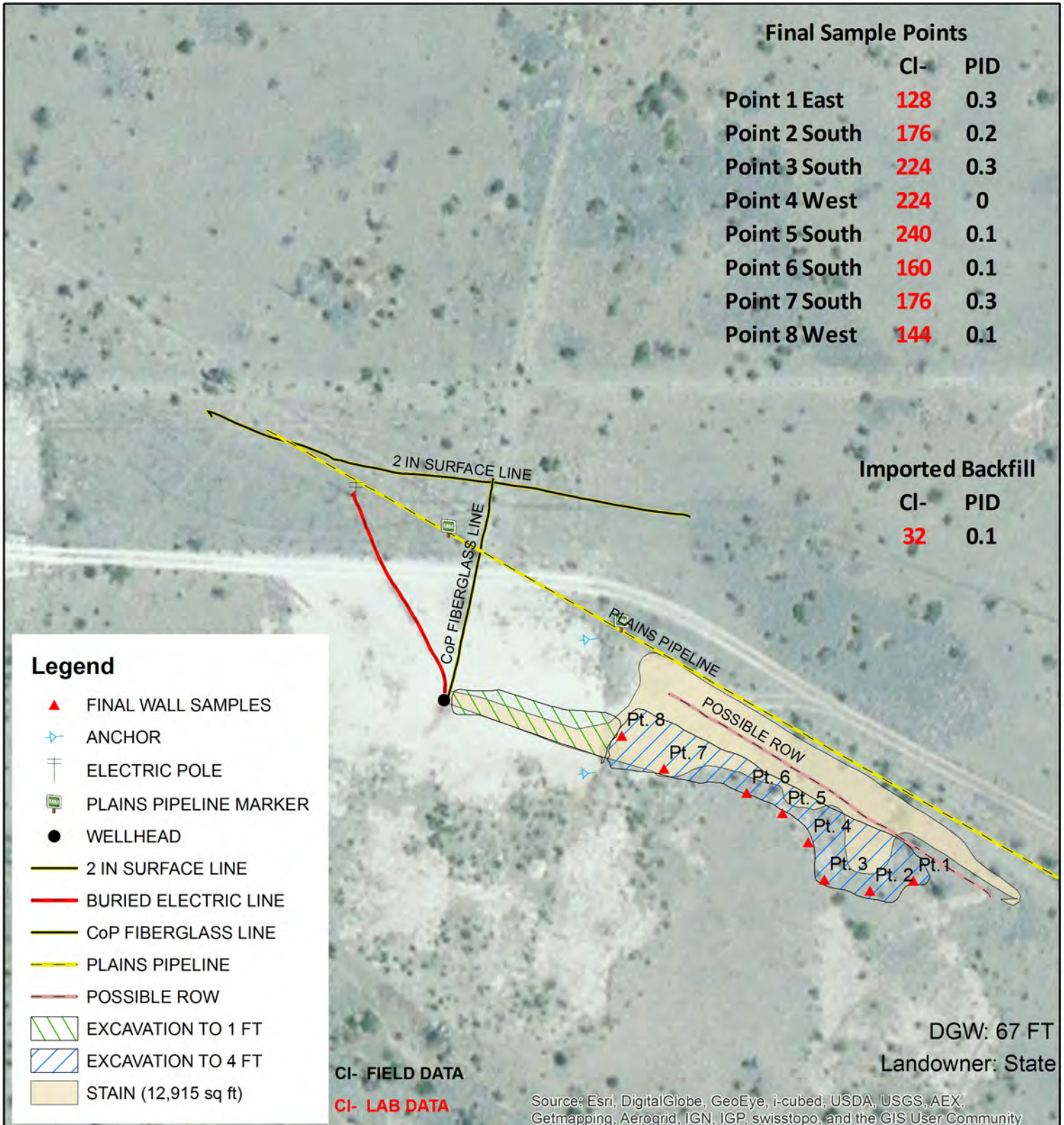


0 40 80  
Feet

GPS date: 11/26/13 KN  
Drawing date: 12/16/13  
Drafted by: L. Weinheimer



# Excavation Data



# Appendix A

Initial C-141

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 0546-002	Facility Type	Oil and Gas

Surface Owner	State Of New Mexico	Mineral Owner	State Of New Mexico	Lease No	300252693200
---------------	---------------------	---------------	---------------------	----------	--------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	5	18S	35E					Lea

Latitude N 32 46.671 Longitude W 103 28.596

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Produced Water	17bbl (0oil, 17water)	(0oil, 0water)
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
1 inch well head steel injection line	10/23/12 ~0430	10/23/12 0900
Was Immediate Notice Given?	If YES, To Whom?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required		
By Whom?	Date and Hour	
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

If a Watercourse was Impacted, Describe Fully.\*

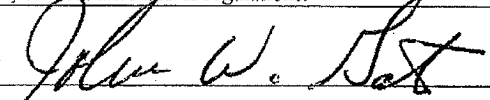
Describe Cause of Problem and Remedial Action Taken.\*

Hole in a 1 inch steel buried injection line due to suspected corrosion. Well was shut in and water turned off. Vacuum truck was called but by the time the truck arrived all fluids had soaked into the ground.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is a 400' X 45' X 1" area of caliche well pad and grassy pasture land. No fluids could be recovered. The spill site will be delineated/remediated in accordance with an agreement with NMOCD.

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: 	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 <input type="checkbox"/>
Date: 10/24/12 Phone: 505.391.3158		

- Attach Additional Sheets If Necessary



# Appendix B

## Initial Sampling Lab

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 2948 Hobbs, NM 88241  
Phone 575.393.2967



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

---

November 14, 2013

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 0546-002

Enclosed are the results of analyses for samples received by the laboratory on 11/08/13 14:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	11/08/2013	Sampling Date:	11/05/2013
Reported:	11/14/2013	Sampling Type:	Soil
Project Name:	EVGSAU 0546-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: PT. 1 SURFACE (H302736-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18600	16.0	11/11/2013	ND	416	104	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	11/11/2013	ND	170	84.9	200	11.6	
DRO >C10-C28	10.1	10.0	11/11/2013	ND	169	84.5	200	6.55	
Surrogate: 1-Chlorooctane									
	65.7 %	65.2-140							
Surrogate: 1-Chlorooctadecane									
	74.9 %	63.6-154							

**Sample ID: PT. 2 SURFACE (H302736-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	11/11/2013	ND	416	104	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	11/11/2013	ND	170	84.9	200	11.6	
DRO >C10-C28	<10.0	10.0	11/11/2013	ND	169	84.5	200	6.55	
Surrogate: 1-Chlorooctane	90.6 %	65.2-140							
Surrogate: 1-Chlorooctadecane	103 %	63.6-154							

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



**Analytical Results For:**

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

Received: 11/08/2013  
Reported: 11/14/2013  
Project Name: EVGSAU 0546-002  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/05/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: PT. 3 SURFACE (H302736-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13600	16.0	11/11/2013	ND	416	104	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	11/11/2013	ND	170	84.9	200	11.6	
DRO >C10-C28	<10.0	10.0	11/11/2013	ND	169	84.5	200	6.55	
Surrogate: 1-Chlorooctane	91.1 %	65.2-140							
Surrogate: 1-Chlorooctadecane	102 %	63.6-154							

**Sample ID: PT. 1 @ 6" (H302736-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10300	16.0	11/11/2013	ND	416	104	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	11/11/2013	ND	170	84.9	200	11.6	
DRO >C10-C28	<10.0	10.0	11/11/2013	ND	169	84.5	200	6.55	
Surrogate: 1-Chlorooctane	90.7 %	65.2-140							
Surrogate: 1-Chlorooctadecane	99.1 %	63.6-154							

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

**Analytical Results For:**

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

Received: 11/08/2013  
Reported: 11/14/2013  
Project Name: EVGSAU 0546-002  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/08/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: PT. 1 @ 4' (H302736-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	11/11/2013	ND	416	104	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	11/11/2013	ND	170	84.9	200	11.6	
DRO >C10-C28	<10.0	10.0	11/11/2013	ND	169	84.5	200	6.55	
Surrogate: 1-Chlorooctane	98.2 %	65.2-140							
Surrogate: 1-Chlorooctadecane	104 %	63.6-154							

**Sample ID: PT. 1 @ 13' (H302736-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	11/11/2013	ND	416	104	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	11/11/2013	ND	170	84.9	200	11.6	
DRO >C10-C28	<10.0	10.0	11/11/2013	ND	169	84.5	200	6.55	
Surrogate: 1-Chlorooctane	92.7 %	65.2-140							
Surrogate: 1-Chlorooctadecane	103 %	63.6-154							

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

**Analytical Results For:**

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

Received:	11/08/2013	Sampling Date:	11/08/2013
Reported:	11/14/2013	Sampling Type:	Soil
Project Name:	EVGSAU 0546-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: PT. 1 @ 14' (H302736-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/11/2013	ND	416	104	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	11/11/2013	ND	170	84.9	200	11.6	
DRO >C10-C28	<10.0	10.0	11/11/2013	ND	169	84.5	200	6.55	
Surrogate: 1-Chlorooctane	96.5 %	65.2-140							
Surrogate: 1-Chlorooctadecane	106 %	63.6-154							

**Sample ID: PT. 3 @ 1' (H302736-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	11/11/2013	ND	416	104	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	11/11/2013	ND	170	84.9	200	11.6	
DRO >C10-C28	<10.0	10.0	11/11/2013	ND	169	84.5	200	6.55	
Surrogate: 1-Chlorooctane	80.9 %	65.2-140							
Surrogate: 1-Chlorooctadecane	94.4 %	63.6-154							

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



**Analytical Results For:**

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

Received:	11/08/2013	Sampling Date:	11/08/2013
Reported:	11/14/2013	Sampling Type:	Soil
Project Name:	EVGSAU 0546-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: PT. 3 @ 11' (H302736-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	11/11/2013	ND	416	104	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	11/12/2013	ND	199	99.4	200	7.54	
DRO >C10-C28	<10.0	10.0	11/12/2013	ND	186	92.9	200	7.14	

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

**Sample ID: PT. 3 @ 15' (H302736-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	944	16.0	11/11/2013	ND	416	104	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	11/12/2013	ND	199	99.4	200	7.54		
DRO >C10-C28	<10.0	10.0	11/12/2013	ND	186	92.9	200	7.14		

Surrogate: 1-Chlorooctane 89.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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

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.


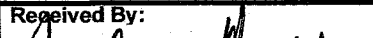



---

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By: 		Date: 11-8-13		Received By: 		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:	
		Time: 2:33				Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:  email results  A/C			
		Time:							
Delivered By: (Circle One)				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other:				Cool Intact		(Initials)			
				<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No					

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

~~#~~54

# Appendix C

## Soil Bore Installation Lab

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 2948 Hobbs, NM 88241  
Phone 575.393.2967

December 05, 2013

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 0546-002

Enclosed are the results of analyses for samples received by the laboratory on 11/26/13 13:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 11/26/2013  
Reported: 12/05/2013  
Project Name: EVGSAU 0546-002  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/26/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB 1 @ SURFACE (H302899-01)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1230</b>	16.0	12/04/2013	ND	416	104	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	11/27/2013	ND	205	102	200	10.5	
DRO >C10-C28	<10.0	10.0	11/27/2013	ND	202	101	200	13.7	
Surrogate: 1-Chlorooctane	110 %	65.2-140							
Surrogate: 1-Chlorooctadecane	110 %	63.6-154							

**Sample ID: SB 1 @ 6' (H302899-02)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1070</b>	16.0	12/04/2013	ND	416	104	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	11/27/2013	ND	205	102	200	10.5	
DRO >C10-C28	<10.0	10.0	11/27/2013	ND	202	101	200	13.7	
Surrogate: 1-Chlorooctane	109 %	65.2-140							
Surrogate: 1-Chlorooctadecane	111 %	63.6-154							

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

**Analytical Results For:**

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

Received:	11/26/2013	Sampling Date:	11/26/2013
Reported:	12/05/2013	Sampling Type:	Soil
Project Name:	EVGSAU 0546-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SB 1 @ 18' (H302899-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/04/2013	ND	416	104	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	11/27/2013	ND	205	102	200	10.5	
DRO >C10-C28	<10.0	10.0	11/27/2013	ND	202	101	200	13.7	
Surrogate: 1-Chlorooctane		111 %	65.2-140						
Surrogate: 1-Chlorooctadecane		109 %	63.6-154						

**Sample ID: SB 1 @ 21' (H302899-04)**

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	12/04/2013	ND	416	104	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	11/27/2013	ND	205	102	200	10.5	
DRO >C10-C28	<10.0	10.0	11/27/2013	ND	202	101	200	13.7	
Surrogate: 1-Chlorooctane		105 %	65.2-140						
Surrogate: 1-Chlorooctadecane		103 %	63.6-154						

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

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



# 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

Page 5 of 5

Company Name: <b>RECS</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Hack Conder				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <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:				Company:															
City: Hobbs State: NM Zip: 88240				Attn:															
Phone #: Fax #:				Address:															
Project #: Project Owner:				City:															
Project Name: <b>Conoco Phillips</b>				State: Zip:															
Project Location: <b>EUG.SAU 0546-002</b>				Phone #:															
Sampler Name: Kyle Norman				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME					
<b>H302809</b>																			
1	SB1@ Surface	G	1			✓				✓			11-26-B	9:30	✓	✓			
2	SB1@ 6'	G	1			✓				✓			11	9:40	✓	✓			
3	SB1@ 18'	G	1			✓				✓			11	9:50	✓	✓			
4	SB1@ 21'	G	1			✓				✓			11	10:15	✓	✓			

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: <b>11-26-13</b> Time: <b>1:30</b>	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Time:	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	REMARKS: email results: zconder@rice-ecs.com Knorman@rice-ecs.com; lpena@riceswd.com Kjones@riceswd.com; Bbaker@rice-ecs.com; hconder@rice-ecs.com; Lweinheimer@rice-ecs.com
		CHECKED BY:	

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

#54

# Appendix D

## CAP Laboratory Analyses

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 2948 Hobbs, NM 88241  
Phone 575.393.2967





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

---

February 05, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 0546-002

Enclosed are the results of analyses for samples received by the laboratory on 02/04/14 12:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/04/2014	Sampling Date:	02/04/2014
Reported:	02/05/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0546-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

**Sample ID: PT. 1 EAST WALL (H400332-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/05/2014	ND	416	104	400	0.00	

**Sample ID: PT. 2 SOUTH WALL (H400332-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/05/2014	ND	416	104	400	0.00	

**Sample ID: PT. 3 SOUTH WALL (H400332-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/05/2014	ND	416	104	400	0.00	

**Sample ID: PT. 4 WEST WALL (H400332-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/05/2014	ND	416	104	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/04/2014  
Reported: 02/05/2014  
Project Name: EVGSAU 0546-002  
Project Number: NONE GIVEN  
Project Location: CONOCO PHILLIPS

Sampling Date: 02/03/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: PT. 5 SOUTH WALL (H400332-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/05/2014	ND	416	104	400	0.00	

**Sample ID: PT. 6 SOUTH WALL (H400332-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/05/2014	ND	416	104	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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

---

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



# **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

*\*RUSH\**

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

Page 5 of 5

Company Name: <b>RECS</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																						
Project Manager: <b>Kyle Norman</b>				P.O. #:				<div>Chlorides</div> <div>TPH 8015 M</div> <div>BTEX</div> <div>Texas TPH</div> <div>Complete Cations/Anions</div> <div>TDS</div>																						
Address:				Company:																										
City: <b>Hobbs</b> State: <b>NM</b> Zip: <b>88240</b>				Attn:																										
Phone #: Fax #:				Address:																										
Project #: Project Owner:				City:																										
Project Name: <b>Conoco Phillips</b>				State: Zip:																										
Project Location: <b>ELGSA 0546-002</b>				Phone #:																										
Sampler Name: <b>Chris Flores</b>				Fax #:																										
FOR LAB USE ONLY																														
Lab I.D.	Sample I.D.	(G/RAB OR C/COMP.)	# CONTAINERS	MATRIX					PRESERV.		SAMPLING																			
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER	DATE	TIME																
<b>H4DD332</b>																														
<b>1</b>	<b>Point 1 (East) wall</b>	<b>G</b>	<b>1</b>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<b>2-3-2014</b>	<b>10:30 AM</b>	<b>X</b>															
<b>2</b>	<b>Point 2 (South) wall</b>	<b>G</b>	<b>1</b>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<b>2-3-2014</b>	<b>12:10 PM</b>	<b>X</b>															
<b>3</b>	<b>Point 3 (South) wall</b>	<b>G</b>	<b>1</b>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<b>2-4-2014</b>	<b>10:00 AM</b>	<b>X</b>															
<b>4</b>	<b>Point 4 (West) wall</b>	<b>G</b>	<b>1</b>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<b>2-3-2014</b>	<b>12:20 PM</b>	<b>X</b>															
<b>5</b>	<b>Point 5 (South) wall</b>	<b>G</b>	<b>1</b>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<b>2-3-2014</b>	<b>10:20 AM</b>	<b>X</b>															
<b>6</b>	<b>Point 6 (South) wall</b>	<b>G</b>	<b>1</b>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<b>2-3-2014</b>	<b>10:30 AM</b>	<b>X</b>															

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: <b>2-4-2014</b>	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
<i>Chris Flores</i>	Time: <b>12:15</b>	<i>Jodi Benson</i>	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		email results	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	hcondere@	
Sampler - UPS - Bus - Other:	Cool Intact	<i>[Signature]</i>	knorman@	
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		lflores@	
			cflores@	
			lweinheimer@	

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

*#54*





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

---

February 07, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 0546-002

Enclosed are the results of analyses for samples received by the laboratory on 02/06/14 16:13.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/06/2014  
Reported: 02/07/2014  
Project Name: EVGSAU 0546-002  
Project Number: NONE GIVEN  
Project Location: CONOCO PHILLIPS

Sampling Date: 02/06/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: POINT 2 SOUTH WALL (H400385-01)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>176</b>	16.0	02/07/2014	ND	416	104	400	3.92	

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

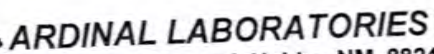
\*=Accredited Analyte

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



**RDINAL 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

[illegible]

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: <u>Chris Flores</u> Date: <u>2-6-2014</u> Time: <u>4:13</u>		Received By: <u>[Signature]</u> Date: _____ Time: _____		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: _____ Add'l Fax #: _____	
Relinquished By: _____ Date: _____ Time: _____		Received By: _____ Date: _____ Time: _____		REMARKS: email results hcondler@ Knorman@ lweinheimer@ lflores@	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>5.8°C #54</u>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) <u>[Signature]</u>	

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



February 11, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 0546-002

Enclosed are the results of analyses for samples received by the laboratory on 02/10/14 12:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/10/2014  
Reported: 02/11/2014  
Project Name: EVGSAU 0546-002  
Project Number: NONE GIVEN  
Project Location: CONOCO PHILLIPS

Sampling Date: 02/10/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: POINT 7 (SOUTH WALL) (H400401-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/11/2014	ND	416	104	400	3.92	

**Sample ID: POINT 8 (WEST WALL) (H400401-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/11/2014	ND	416	104	400	3.92	

**Sample ID: IMPORTED BACKFILL (H400401-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/11/2014	ND	416	104	400	3.92	

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

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



*\* RUSH \**

# 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: <u>RECS</u>				<b>BILL TO</b>												<b>ANALYSIS REQUEST</b>																													
Project Manager: <u>Kyle Norman</u>				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <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:				Company:																																									
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:																																									
Phone #: Fax #:				Address:																																									
Project #: Project Owner:				City:																																									
Project Name: <u>Conoco Phillips</u>				State: Zip:																																									
Project Location: <u>EVGSAU 0546-002</u>				Phone #:																																									
Sampler Name: <u>Chris Flores</u>				Fax #:																																									
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		G/RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING																													
										GROUNDWATER				WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME													
		<u>H400401</u>		<u>Point 7 (South Wall)</u>		<u>G</u>		<u>1</u>								<u>✓</u>								<u>✓</u>		<u>2-10-2014</u>		<u>10:45 AM</u>		<u>X</u>															
		<u>2</u>		<u>Point 8 (West Wall)</u>		<u>G</u>		<u>1</u>								<u>✓</u>								<u>✓</u>		<u>2-10-2014</u>		<u>11:00 AM</u>		<u>X</u>															
		<u>3</u>		<u>Imported Backfill</u>		<u>G</u>		<u>1</u>								<u>✓</u>								<u>✓</u>		<u>2-10-2014</u>		<u>11:15 AM</u>		<u>X</u>															

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: <u>[Signature]</u>		Date: <u>2-10-2014</u>		Received By: <u>[Signature]</u>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:	
		Time: <u>12:40</u>				Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:				email results			
Delivered By: (Circle One)		Sample Condition		CHECKED BY:		hconder@			
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		(Initials)		knorman@			
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<u>[Signature]</u>		weinheimer@			
						cflores@			

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

#54

# Appendix E

Photo Documentation

# ConocoPhillips EVGSAU 0546-002

Unit Letter G&H, Section 5, T18S, R35E



Collecting surface sample, facing northwest 11/5/13



Initial release area, facing northwest 11/5/13



Initial release area, facing north-northwest 11/5/13



Initial site photo, facing east 11/5/13





Installing vertical, facing west

11/8/13



Installing SB-1, facing east

11/26/13



Plugging SB-1 in total with bentonite, facing northwest  
11/26/13



Completed SB-1, facing northwest

11/26/13





Beginning excavating activities, facing northeast  
1/16/14



Creating spoil pile, facing south  
1/16/14



Exporting soil, facing northeast  
1/14/14



Sampling excavation, facing east  
1/17/14



Excavating continuing to the west, facing west 1/21/14



Excavating on pad, facing northeast

2/6/14



Excavation completed, facing east

2/11/14



Excavation completed with the bottom padded for liner installation, facing east

2/11/14





Installing 20-mil reinforced poly liner, facing southeast  
2/11/14



Installing 20-mil reinforced poly liner, facing north  
2/11/14



Liner installation completed, facing northwest 2/11/14



Liner installation completed and beginning backfilling  
the excavation, facing southeast 2/11/14



Importing soil, facing north

2/12/14



Backfilling site, facing east

2/12/14



Backfilling of pad completed, facing southwest 2/17/14



Excavation backfilled, facing east

2/17/14





Excavation to pad backfilled, facing west 2/17/14



Tilling site to prepare for seeding, facing north 4/25/14



Seeding site and tilling seed into soil, facing west 4/25/14



Site seeded, facing south 4/25/14

# Appendix F

Final C-141

**RICE Environmental Consulting and Safety (RECS)**  
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 Company	Contact	Sean Robinson
Address	3300 North A St. Bldg 6, Midland, TX 79705-5406	Telephone No.	(575) 390-8873
Facility Name	EVGSAU 0546-002	Facility Type	Oil and Gas

Surface Owner	State of New Mexico	Mineral Owner	State of New Mexico	API No.	300252693200
---------------	---------------------	---------------	---------------------	---------	--------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	5	18S	35E					Lea

Latitude N 32 46.671 Longitude W 103 28.596

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	17 bbls (0 oil, 17 water)	Volume Recovered	(0 oil, 0 water)
Source of Release	1 inch well head steel injection line	Date and Hour of Occurrence	10/23/12 ~ 0430	Date and Hour of Discovery	10/23/12 0900
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Date and Hour				
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

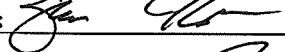
If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*☐ Hole in 1 inch steel buried injection line due to suspected corrosion. Well was shut in and water turned off. Vacuum truck was called but by the time the truck arrived, all fluids had soaked into the ground.

Describe Area Affected and Cleanup Action Taken.\*☐ A total of 12,915 square feet of lease pad and pasture land was affected by the release. On November 5<sup>th</sup>, 2013, RECS personnel were on site to assess the release. Soil samples were taken at the surface of the release and with depth. The samples were field tested and representative samples were sent to a commercial laboratory for analysis. Pt. 1 returned elevated chloride readings until 14 ft bgs where the laboratory chloride reading returned a result of 224 mg/kg. Pt. 2 was sampled only at the surface and returned a laboratory chloride reading of 3,200 mg/kg. Pt. 3 was sampled to 15 ft bgs and did not return laboratory chloride readings below 250 mg/kg throughout the entire vertical. GRO and DRO readings for all laboratory sample points returned results of at or near non-detect. In order to determine the vertical extent of chloride contamination at Pt. 3, a soil bore was installed on November 26<sup>th</sup>, 2013. Representative samples from the bore were taken to a commercial laboratory for analysis. Laboratory chloride readings returned results below 250 mg/kg beginning at 18 ft bgs. On December 16<sup>th</sup>, 2013, a Corrective Action Plan (CAP) was submitted to NMOCD and was approved on December 18<sup>th</sup>, 2013. Per a Plains Pipeline Request, the excavation in the pasture would need to remain 20 ft away from their pipeline. RECS personnel were on site beginning on January 15<sup>th</sup>, 2014 to begin CAP work. The site was excavated to 4 ft bgs in the pasture area and scraped to a depth of 1 ft bgs on the lease pad. Once the excavation in the pasture was completed, grab samples from the walls of the excavation were taken to a commercial laboratory for analysis. All wall samples returned chloride values less than 250 mg/kg. All excavated soil was taken to a NMOCD approved facility for disposal. Clean caliche and top soil were imported to the site to serve as backfill. A sample of the imported soil was taken to a commercial laboratory for analysis and returned a chloride value of 32 mg/kg. The 4 ft bgs excavation was padded with 6 in of top soil to protect the liner from punctures. A 20-mil reinforced poly liner was installed and properly seated into the base of pasture excavation. The pasture was backfilled with the imported top soil and the lease pad was backfilled with the imported caliche. The backfilled excavations were contoured to the surrounding locations. On March 25<sup>th</sup>, 2014, the pasture area was tilled and then seeded with BLM mix #2.

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: strobin@cop.com  
Date: 5-21-14

Approved by Environmental Specialist:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

Phone: 575 390-8873