



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 23rd, 2012

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

May 21st, 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 23rd, 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 23rd, 2012 and sent to NMOCD for their approval (Appendix A).

On November 5th, 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 a 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 26th, 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 16th, 2013, a Corrective Action Plan (CAP) was submitted to NMOCD and was approved on December 18th, 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 15th, 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 25th, 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,



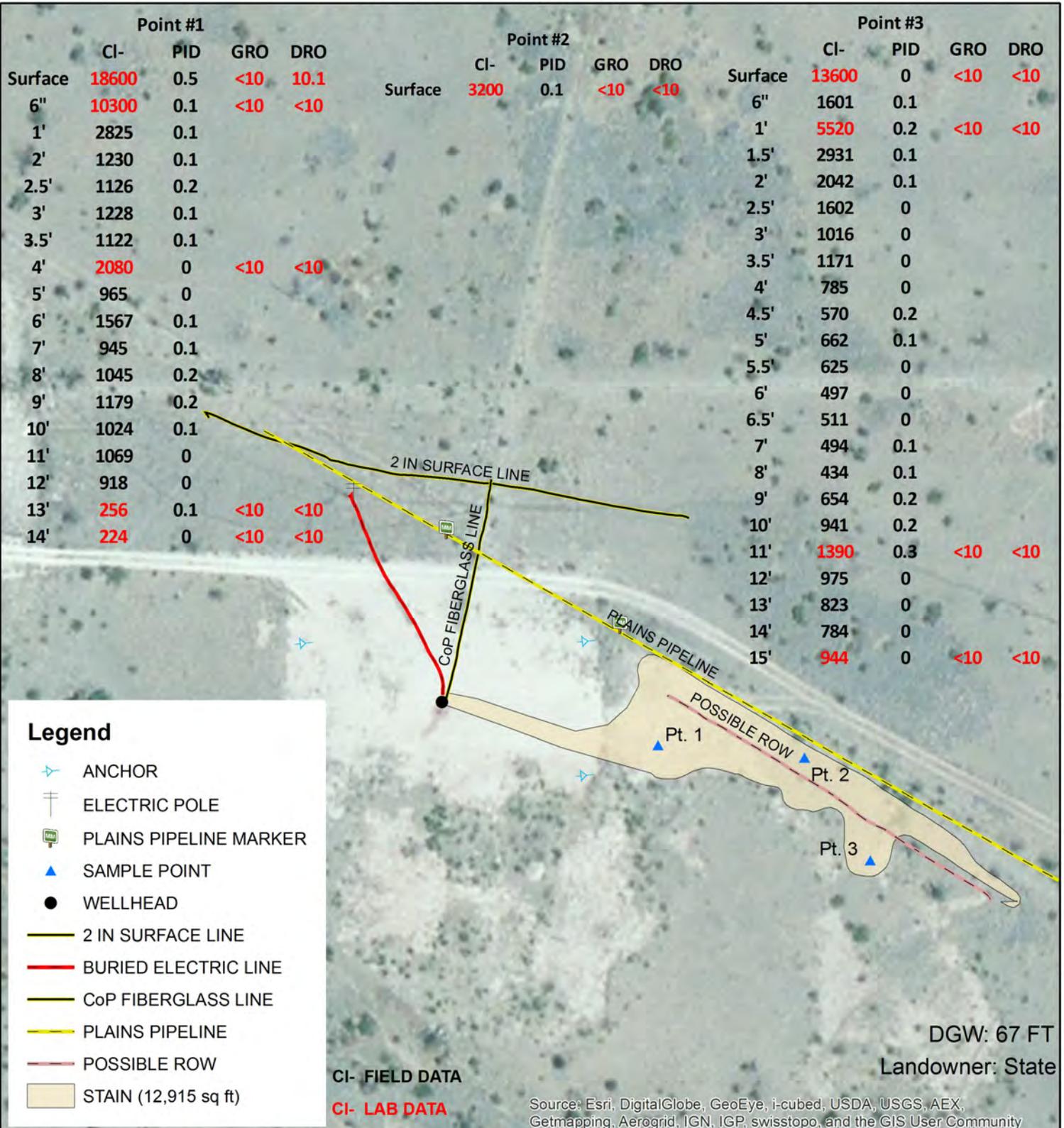
Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

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



Legend

- ANCHOR
- ELECTRIC POLE
- PLAINS PIPELINE MARKER
- SAMPLE POINT
- WELLHEAD
- 2 IN SURFACE LINE
- BURIED ELECTRIC LINE
- CoP FIBERGLASS LINE
- PLAINS PIPELINE
- POSSIBLE ROW
- STAIN (12,915 sq ft)

CI- FIELD DATA

CI- LAB DATA

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

DGW: 67 FT

Landowner: State



**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

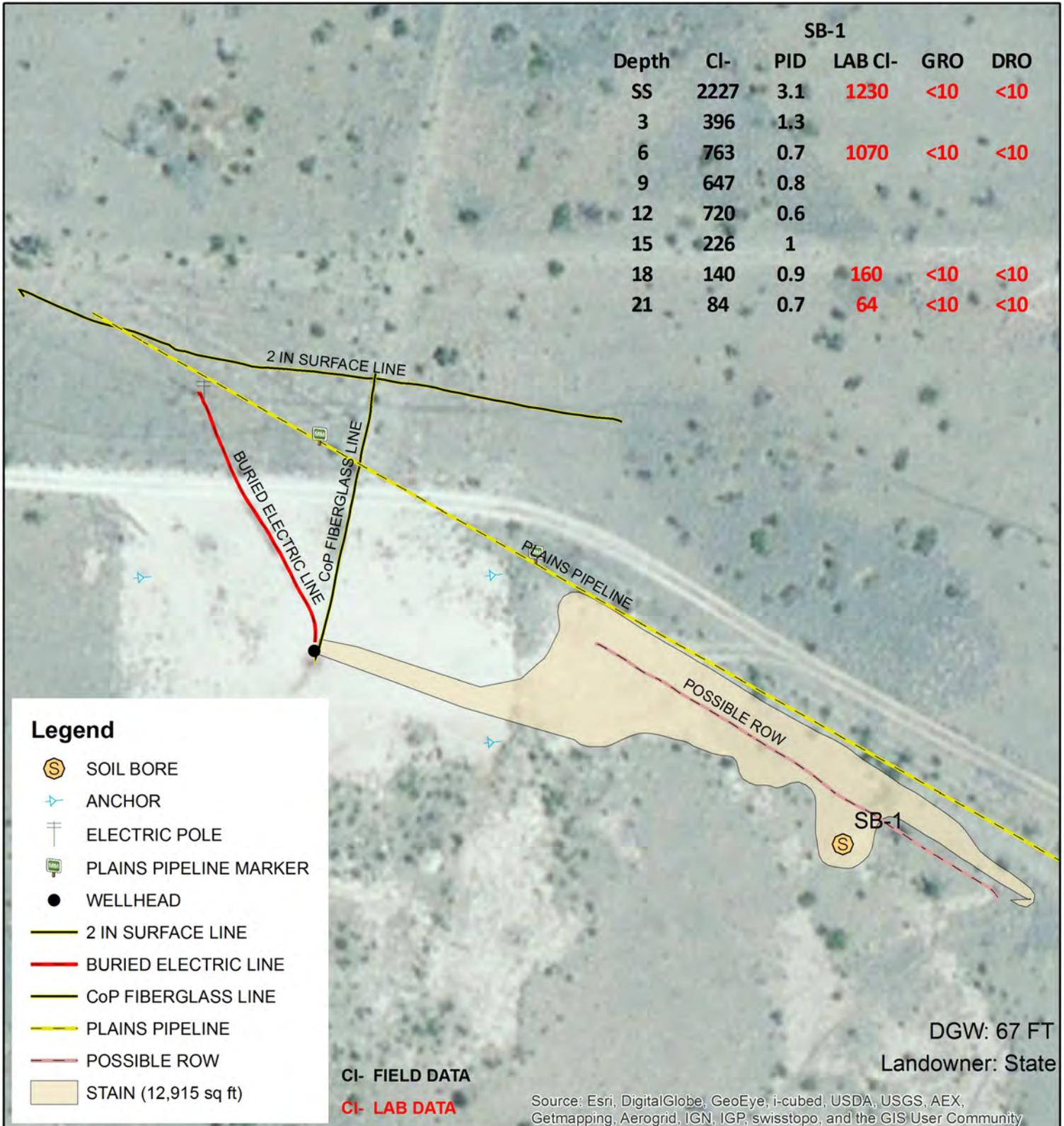
Figure 1



0 50 100
Feet

GPS date: 11/5/13 KN
Drawing date: 11/14/13
Drafted by: L. Weinheimer

Soil Bore Installation



Legend

- SOIL BORE
- ANCHOR
- ELECTRIC POLE
- PLAINS PIPELINE MARKER
- WELLHEAD
- 2 IN SURFACE LINE
- BURIED ELECTRIC LINE
- CoP FIBERGLASS LINE
- PLAINS PIPELINE
- POSSIBLE ROW
- STAIN (12,915 sq ft)

CI- FIELD DATA

CI- LAB DATA

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

DGW: 67 FT

Landowner: State

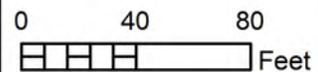


**CONOCOPHILLIPS
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NMOCD CASE NO.
1RP-10-12-2859

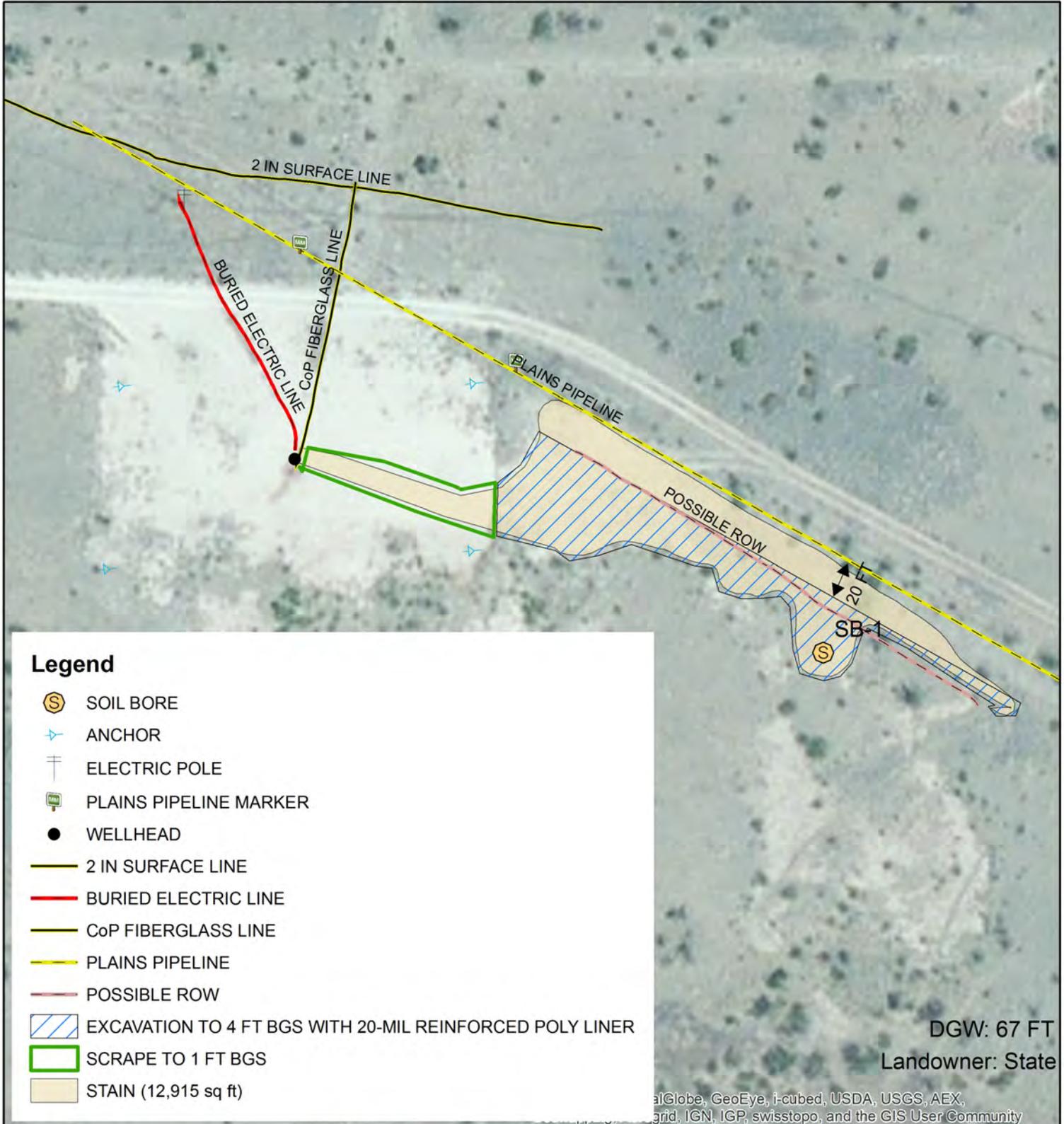
LEGALS: UL/G&H sec. 5
T-18-S R-35-E
LEA COUNTY, NM

Figure 2



GPS date: 11/26/13 KN
Drawing date: 12/6/13
Drafted by: L. Weinheimer

Proposed Excavations and Liner Installation



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

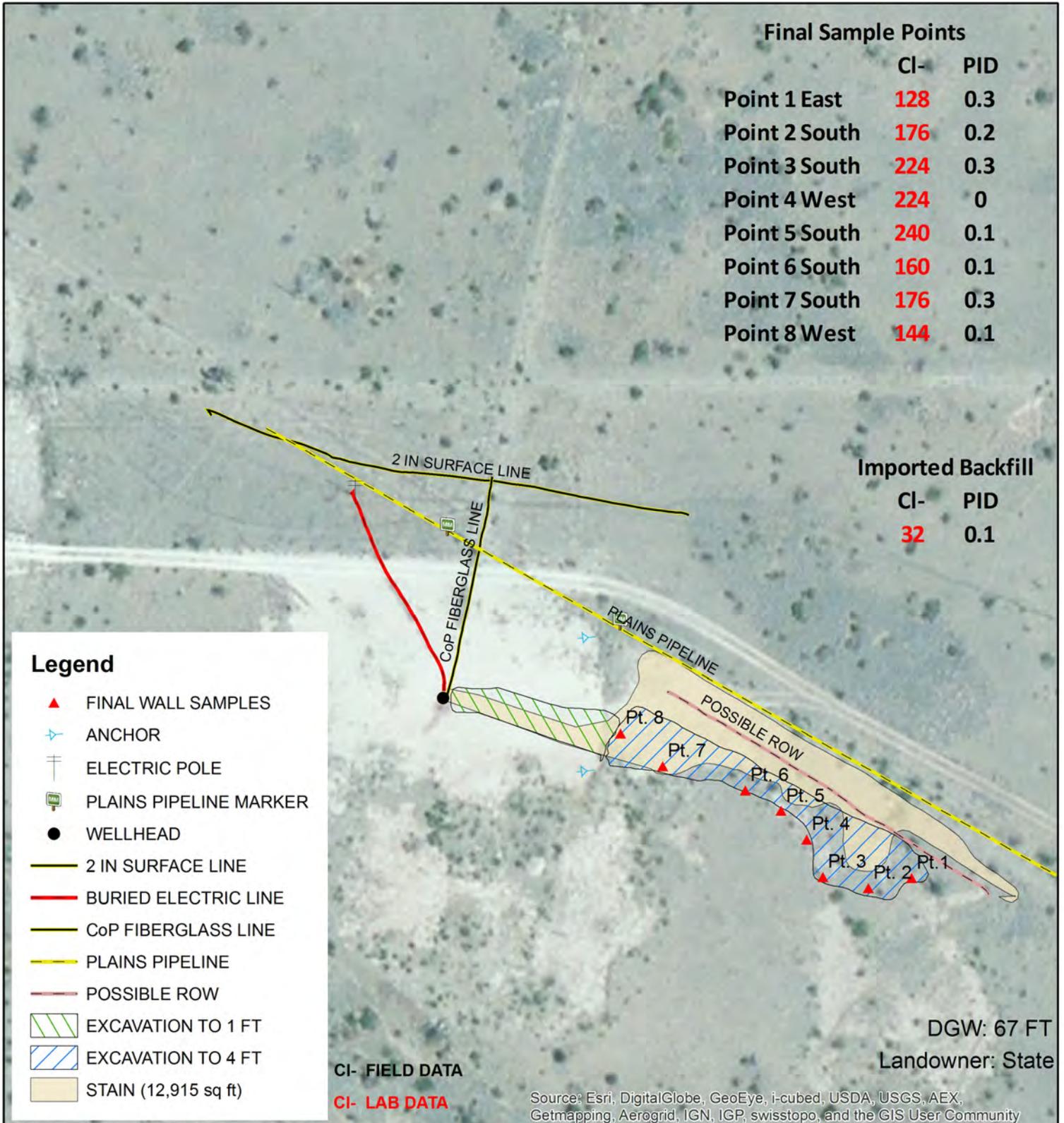
Figure 3



0 40 80
Feet

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

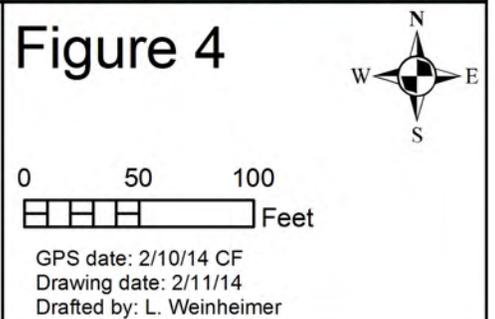
Excavation Data



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 4



Appendix A

Initial 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
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 Produced Water	Volume of Release 17bbl (0oil, 17water)	Volume Recovered (0oil, 0water)
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.*

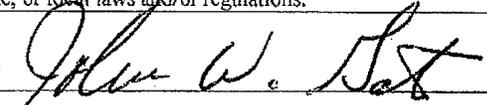
Describe Cause of Problem and Remedial Action Taken.*

Hole in 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



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.

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 cursive script that reads "Celey D. Keene".

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	
<i>Surrogate: 1-Chlorooctane</i>	<i>65.7 %</i>	<i>65.2-140</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>74.9 %</i>	<i>63.6-154</i>							

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	
<i>Surrogate: 1-Chlorooctane</i>	<i>90.6 %</i>	<i>65.2-140</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>103 %</i>	<i>63.6-154</i>							

Cardinal Laboratories

*=Accredited Analyte

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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. 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	
<i>Surrogate: 1-Chlorooctane</i>		<i>91.1 %</i>	<i>65.2-140</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>102 %</i>	<i>63.6-154</i>						

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	
<i>Surrogate: 1-Chlorooctane</i>		<i>90.7 %</i>	<i>65.2-140</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>99.1 %</i>	<i>63.6-154</i>						

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*=Accredited Analyte

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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 @ 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	
<i>Surrogate: 1-Chlorooctane</i>		<i>98.2 %</i>	<i>65.2-140</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>104 %</i>	<i>63.6-154</i>						

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	
<i>Surrogate: 1-Chlorooctane</i>		<i>92.7 %</i>	<i>65.2-140</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>103 %</i>	<i>63.6-154</i>						

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*=Accredited Analyte

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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	
<i>Surrogate: 1-Chlorooctane</i>		<i>96.5 %</i>	<i>65.2-140</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>106 %</i>	<i>63.6-154</i>						

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	
<i>Surrogate: 1-Chlorooctane</i>		<i>80.9 %</i>	<i>65.2-140</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>94.4 %</i>	<i>63.6-154</i>						

Cardinal Laboratories

*=Accredited Analyte

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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, SM4500CI-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	
<i>Surrogate: 1-Chlorooctane</i>		<i>106 %</i>	<i>65.2-140</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>112 %</i>	<i>63.6-154</i>						

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

Chloride, SM4500CI-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	
<i>Surrogate: 1-Chlorooctane</i>		<i>89.9 %</i>	<i>65.2-140</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>101 %</i>	<i>63.6-154</i>						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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



Celey D. Keene, Lab Director/Quality Manager



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: RECS		BILL TO		ANALYSIS REQUEST																													
Project Manager: Kyle Norman		P.O. #:		<table border="1"> <tr><td>Chlorides</td><td>TPH 8015 M</td><td>BTEX</td><td>Texas TPH</td><td>Complete Cations/Anions</td><td>TDS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>										Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS														
Chlorides	TPH 8015 M	BTEX	Texas TPH											Complete Cations/Anions	TDS																		
Address:		Company:																															
City: Hobbs State: NM Zip: 88240		Attn:																															
Phone #: Fax #:		Address:																															
Project #: Project Owner:		City:																															
Project Name: Conoco Phillips		State: Zip:																															
Project Location: EUGASAU-0546-002		Phone #:																															
Sampler Name: JKamplun		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																			
H302736																																	
1	PT-1 surface	9	1			/							11-5-13	1:50	✓	✓																	
2	PT-2 surface	9	1			/							5	1:55	✓	✓																	
3	PT-3 surface	9	1			/							5	1:50	✓	✓																	
4	PT-1 @ 6"	9	1			/							11-8-13	9:00	✓	✓																	
5	PT-1 @ 4'	9	1			/							9:10	9:10	✓	✓																	
6	PT-1 @ 13'	9	1			/							9:15	9:15	✓	✓																	
7	PT-1 @ 14'	9	1			/							9:20	9:20	✓	✓																	
8	PT-3 @ 1'	9	1			/							10:10	10:10	✓	✓																	
9	PT-3 @ 11'	9	1			/							10:15	10:15	✓	✓																	
10	PT-3 @ 15'	9	1			/							10:20	10:20	✓	✓																	

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: 11-8-13 Time: 2:33	Received By: Jodi Benson	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:			REMARKS: email results A/C	
Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY:		

† 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.

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:	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 @ 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
Chloride	1230	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	
<i>Surrogate: 1-Chlorooctane</i>		<i>110 %</i>	<i>65.2-140</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>110 %</i>	<i>63.6-154</i>						

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
Chloride	1070	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	
<i>Surrogate: 1-Chlorooctane</i>		<i>109 %</i>	<i>65.2-140</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>111 %</i>	<i>63.6-154</i>						

Cardinal Laboratories

*=Accredited Analyte

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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	
<i>Surrogate: 1-Chlorooctane</i>	<i>111 %</i>	<i>65.2-140</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>109 %</i>	<i>63.6-154</i>							

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	
<i>Surrogate: 1-Chlorooctane</i>	<i>105 %</i>	<i>65.2-140</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>103 %</i>	<i>63.6-154</i>							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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



Celey D. Keene, Lab Director/Quality Manager

Appendix D

CAP Laboratory Analyses

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

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.

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:	02/04/2014	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, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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

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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:	02/03/2014
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. 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

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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



Celey D. Keene, Lab Director/Quality Manager



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.

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, flowing "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	Sampling Date:	02/06/2014
Reported:	02/07/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0546-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	CONOCO PHILLIPS		

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
Chloride	176	16.0	02/07/2014	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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



Celey D. Keene, Lab Director/Quality Manager



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

Company Name: RECS		BILL TO				ANALYSIS REQUEST																	
Project Manager: Kyle Norman		P.O. #:		Company:		Chlorides TPH 8015 M BTEX Texas TPH Complete Cations/Anions TDS																	
Address:		Attn:		Address:																			
City: Hobbs State: NM Zip: 88240		City:		State: Zip:																			
Phone #: Fax #:		Phone #:		Fax #:																			
Project #: Project Owner:		Date:		Time:																			
Project Name: Conoco Phillips		DATE		TIME																			
Project Location: EVGSA4 0546-002																							
Sampler Name: Chris Flores																							
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV	SAMPLING													
	H450385	Point 2 (South) wall	G 1	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :											
						✓					✓		2-6-2014	7:30 AM	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: <i>Chris Flores</i>	Date: 2-6-2014 Time: 4:13	Received By: <i>[Signature]</i>	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)	Sample Condition Cool Intact	CHECKED BY: (Initials)	REMARKS:	
Sampler - UPS - Bus - Other: 5.8°C #54	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>[Signature]</i>	email results hcondor@ knorman@ lweinheimer@ iflores@	
			cflores@	

† 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.

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 cursive script that reads "Celey D. Keene".

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	Sampling Date:	02/10/2014
Reported:	02/11/2014	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: POINT 7 (SOUTH WALL) (H400401-01)

Chloride, SM4500CI-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, SM4500CI-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, SM4500CI-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



Celey D. Keene, Lab Director/Quality Manager

Appendix E

Photo Documentation

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

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
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	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 5th, 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 a 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 26th, 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 16th, 2013, a Corrective Action Plan (CAP) was submitted to NMOCD and was approved on December 18th, 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 15th, 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 25th, 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.

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: SEAN ROBINSON	Approved by Environmental Specialist:		
Title: OPERATIONS SUPERVISOR	Approval Date:	Expiration Date:	
E-mail Address: strobin@cop.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 5-21-14	Phone: 575 390-8873		