

JUL 15 2014

Form C-141
Revised August 8, 2011

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

Submitted to appropriate District Office in accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	ConocoPhillips	Contact	
Address	29 Vacuum Complex Lane	Telephone No.	
Facility Name	EVGSAU Well 0542-098	Facility Type	Oil Well

Surface Owner	NMOCD	Mineral Owner	NMOCD	API No.	3002520792
---------------	-------	---------------	-------	---------	------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	05	18S	35E	330	North	1980	West	Lea

Latitude 32.7832838382327 Longitude -103.481947423473

NATURE OF RELEASE

Type of Release	Spill	Volume of Release	92 BBLS	Volume Recovered	50 BBLS
Source of Release	Offside Casing Valve	Date and Hour of Occurrence	03/08/14 8:30 am	Date and Hour of Discovery	SAME
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking		
By Whom?	David May	Date and Hour	03/10/2014 10:00 am		
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.* The offside casing valve was left open after being hot watered the previous day. MSO isolated the well and notified supervisor and HSE.

Describe Area Affected and Cleanup Action Taken.* The release covered 9,886 square feet of lease pad and lease road and over-sprayed 318,078 square feet of pasture land and lease road. RECS personnel were on site beginning on March 11th, 2014 to assess the release. Eight samples were taken within the overspray area and three verticals were installed in the release area on the lease pad. All surface overspray samples were taken to a commercial laboratory for analysis. The surface samples from the overspray returned laboratory chloride readings below 250 mg/kg except at Point 1, which had a chloride reading of 256 mg/kg and Point 2, which had a chloride reading of 432 mg/kg. Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) readings for all the overspray samples were below regulatory standards. Three verticals were installed in the release area on the lease pad. Vertical 1 and Vertical 3 were installed to a depth of 2.5 feet, and Vertical 2 was installed to a depth of 2 feet. As the verticals were installed, samples were taken at regular intervals and field tested for chlorides and organics vapors. Representative samples were taken to a commercial laboratory for analysis. All three verticals returned elevated laboratory chloride readings and TPH readings at the surface of the verticals. BTEX readings at the surface of the verticals were elevated but still below regulatory standards. At the base of each vertical, the chloride values dropped substantially from the surface readings; although, they were still slightly above regulatory standards. The TPH readings and BTEX readings at the base of each vertical were below regulatory standards. Based on the laboratory analysis, a Corrective Action Plan (CAP) was submitted to NMOCD on April 10th, 2014 and approved the same day. NMOCD requested as part of their approval of the CAP that a discrete sample at Vertical 3 be taken. CAP work began at the site on April 9th, 2014. Micro-Blaze was applied throughout the overspray area on three separate dates: April 9th, 2014; April 16th, 2014 and May 21st, 2014. The release area on the pad and lease road was scraped down to 2.5 feet bgs. A total of 1,000 cubic yards of contaminated soil was taken to a NMOCD approved facility for disposal. At the base of the scrape, a 5 point bottom composite was taken to a commercial laboratory for analysis. The laboratory chloride reading returned a result of 208 mg/kg, and the GRO and DRO readings returned results of non-detect. As requested by NMOCD a discrete sample at Vertical 3 was taken and sent to a commercial laboratory for analysis. The sample returned a laboratory chloride reading of 256 mg/kg, a GRO reading of non-detect and a DRO reading of 75.3 mg/kg. A total of 860 cubic yards of top soil and 380 cubic yards of caliche were imported to the site to serve as backfill. A sample of the imported soil was taken to a commercial laboratory and returned a chloride result of non-detect. The 2.5 ft scrape was backfilled to 6 in bgs with the top soil and then capped with 6 in of caliche.

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

Signature:	<i>[Signature]</i>	OIL CONSERVATION DIVISION	
Printed Name:	SEAN ROBINSON	Approved by Environmental Specialist:	
Title:	OPERATIONS SUPERVISOR	Approval Date:	7-8-14
E-mail Address:	Sean.T.Robinson@cp.com	Expiration Date:	
Date:	7/2/14	Conditions of Approval:	
Phone:	505-790-8873	Attached	<input type="checkbox"/>

7-14-3174
Original 217817
770 1419 629338
P 70 1419 630774

JUL 15 2014



CONOCOPHILLIPS

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

EVGSAU 0524-098

Termination Request

API No. 3002520792

Release Date: March 8th, 2014

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

July 2nd, 2014

Tomáš ‘Doc’ Oberding, PhD

Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240

RE: **Termination Request**
ConocoPhillips EVGSAU 0524-098
UL/C sec. 5 T18S R35E
API No. 3002520792

Dr. Oberding:

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 1.8 miles southeast of Buckeye, New Mexico at UL/C sec. 5 T18S R35E. NM OSE records indicate that groundwater will likely be encountered at a depth of approximately 74 +/- feet.

On March 8th, 2014, CoP discovered a release from an off-side casing valve on the well that was left open. The valve released a total of 92 barrels of fluid and a total of 50 barrels of fluid was recovered. The release covered 9,886 square feet of lease pad and lease road and over-sprayed 318,078 square feet of pasture land and lease road. NMOCD was notified of the release of March 10th, 2014 and an initial C-141 was submitted to NMOCD for their approval (Appendix A).

RECS personnel were on site beginning on March 11th, 2014 to assess the release (Figure 1). Eight samples were taken within the overspray area and three verticals were installed in the release area on the lease pad. All surface overspray samples were field tested for chlorides and organic vapors and the samples were taken to a commercial laboratory for analysis. The surface samples from the overspray returned laboratory chloride readings below 250 mg/kg except at Point 1, which had a chloride reading of 256 mg/kg and Point 2, which had a chloride reading of 432 mg/kg. Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) readings for all the overspray samples were below regulatory standards (Appendix B).

Three verticals were installed in the release area on the lease pad. Vertical 1 and Vertical 3 were installed to a depth of 2.5 feet, and Vertical 2 was installed to a depth of 2 feet. As the verticals were installed, samples were taken at regular intervals and field tested for chlorides and organics

vapors. Representative samples were taken to a commercial laboratory for analysis. All three verticals returned elevated laboratory chloride readings and TPH readings at the surface of the verticals. BTEX readings at the surface of the verticals were elevated but still below regulatory standards. At the base of each vertical, the chloride values dropped substantially from the surface readings; although, they were still slightly above regulatory standards. The TPH readings and BTEX readings at the base of each vertical were below regulatory standards.

Based on the laboratory analysis, a Corrective Action Plan (CAP) was submitted to NMOCD on April 10th, 2014 and approved the same day. As part of the CAP, the release area on the pad and lease road would be scraped down to 2.5 feet bgs. All the excavated soil would be taken to a NMOCD approved facility for disposal. Clean caliche would be imported to the site to serve as backfill. A sample of the caliche would be taken to a commercial laboratory for analysis to verify chloride levels below 250 mg/kg. The 2.5 foot excavation would be backfilled with the caliche and contoured to the surrounding location.

Two to three applications of Micro-Blaze would be applied over the overspray area. Micro-Blaze contains a blend of wetting agents, nutrients and several strains of safe, non-pathogenic *Bacillus* bacteria. When applied to a hydrocarbon-based or organic spill or contaminant, the wetting agent begins breaking down the contaminants into smaller molecules for more efficient degradation by the microbes, into harmless byproducts like carbon dioxide, water, and trace salts.

NMOCD requested as part of their approval of the CAP that a discrete sample at Vertical 3 be taken.

CAP work began at the site on April 9th, 2014. Micro-Blaze was applied throughout the overspray area on three separate dates: April 9th, 2014; April 16th, 2014 and May 21st, 2014. The release area on the pad and lease road was scraped down to 2.5 feet bgs (Figure 2). A total of 1,000 cubic yards of contaminated soil was taken to a NMOCD approved facility for disposal. At the base of the scrape, a 5 point bottom composite was taken and field tested for chlorides and hydrocarbons. The sample was then taken to a commercial laboratory for analysis. The laboratory chloride reading returned a result of 208 mg/kg, and the GRO and DRO readings returned results of non-detect. As requested by NMOCD a discrete sample at Vertical 3 was taken and sent to a commercial laboratory for analysis. The sample returned a laboratory chloride reading of 256 mg/kg, a GRO reading of non-detect and a DRO reading of 75.3 mg/kg (Appendix C).

A total of 860 cubic yards of top soil and 380 cubic yards of caliche were imported to the site to serve as backfill. A sample of the imported soil was taken to a commercial laboratory and returned a chloride result of non-detect. The 2.5 ft scrape was backfilled to 6 in bgs with the top soil and then capped with 6 in of caliche.

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

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

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

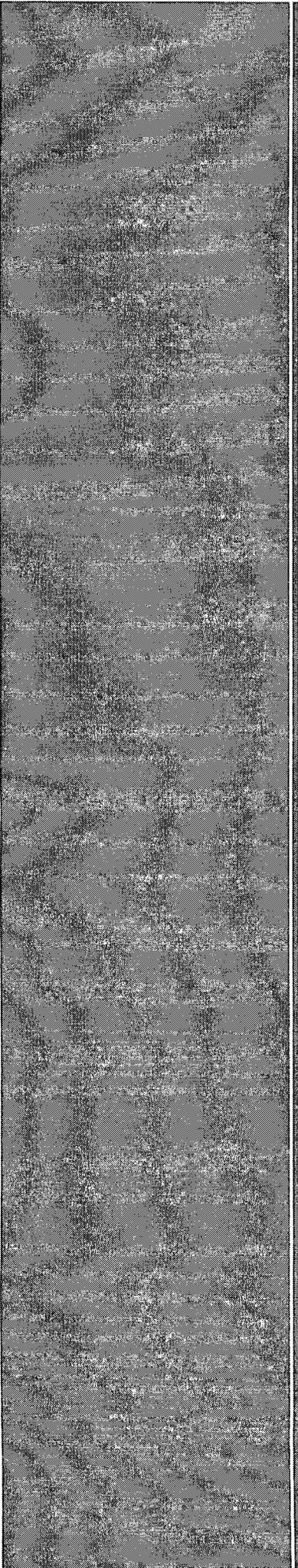
Sincerely,

A handwritten signature in black ink, appearing to read 'L.W.' followed by a stylized flourish.

Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

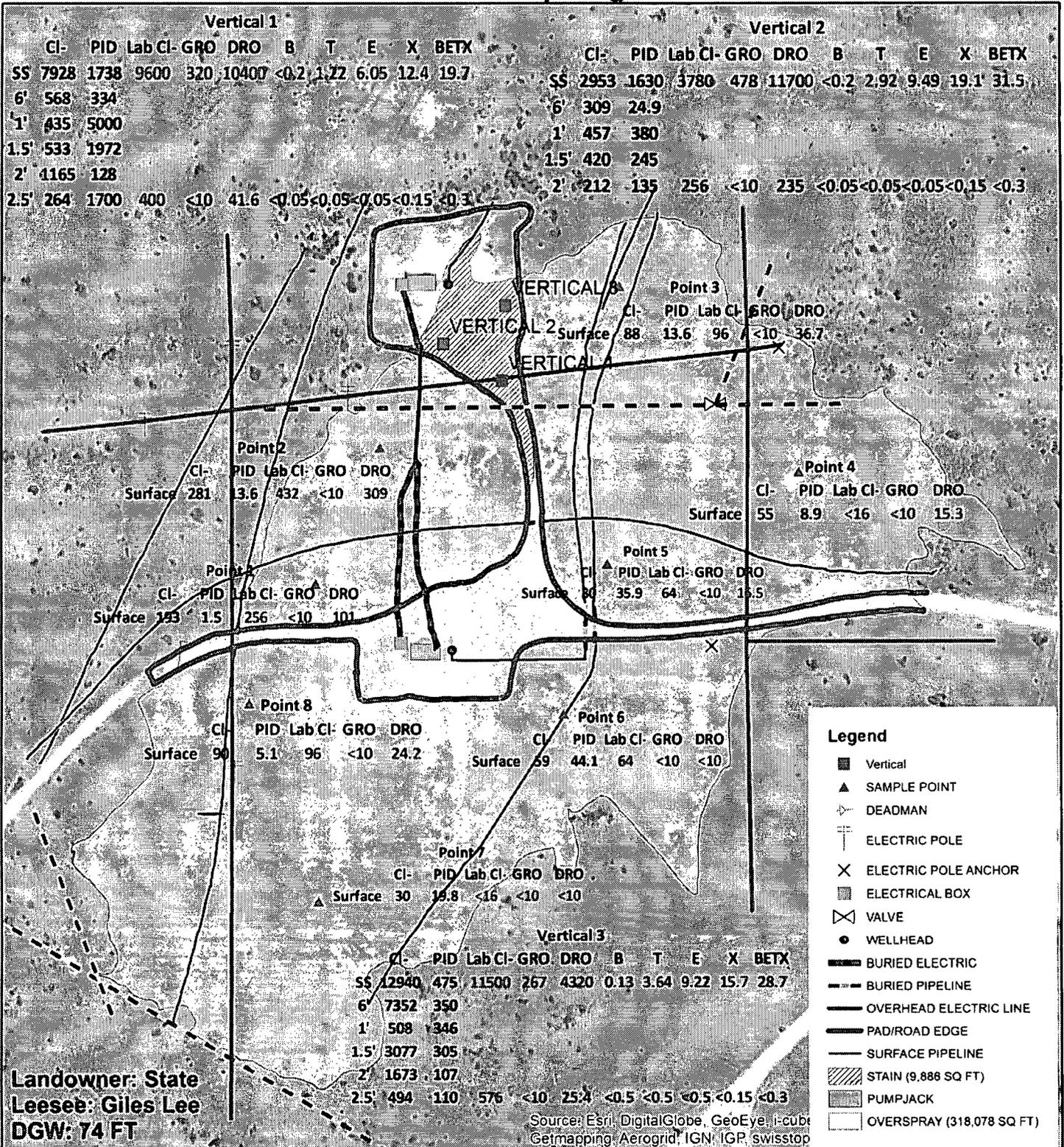
- Figure 1 – Initial Sampling Data
- Figure 2 – Excavation Data
- Appendix A – Initial C-141
- Appendix B – Initial Sampling Labs
- Appendix C – CAP Sampling Labs
- Appendix D – Photo Documentation
- Appendix E – Final C-141



Figures

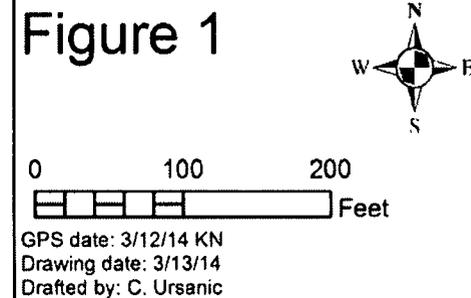
RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

Initial Sampling Data



CONOCOPHILLIPS
EVGSAU 0524-098

Legals: UL/C sec. 5
T-18-S R-35-E
LEA COUNTY, NM



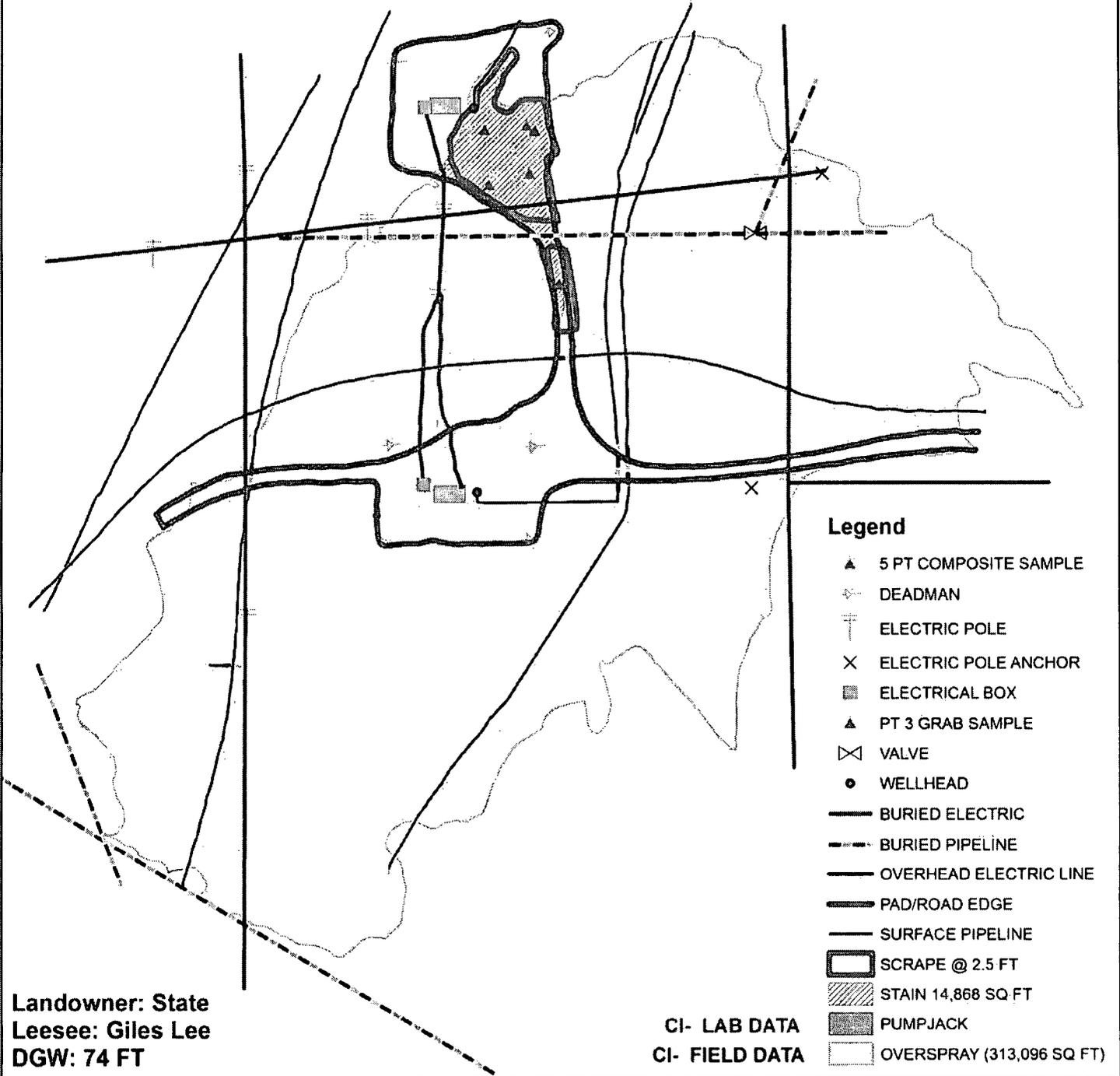
Excavation Data

SCRAPE AT 2.5 FT

	CI-	PID	GRO	DRO
5 PT BOTTOM COMPOSITE	208	2.9	<10	<10

PT. 3 SAMPLE (N BOTTOM E END) @ 2.5 FT

CI-	GRO	DRO
256	<10	75.3



Legend

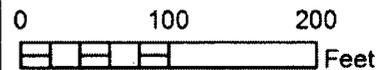
- ▲ 5 PT COMPOSITE SAMPLE
- ⋈ DEADMAN
- ⋈ ELECTRIC POLE
- × ELECTRIC POLE ANCHOR
- ELECTRICAL BOX
- ▲ PT 3 GRAB SAMPLE
- ⊗ VALVE
- WELLHEAD
- BURIED ELECTRIC
- - - BURIED PIPELINE
- OVERHEAD ELECTRIC LINE
- PAD/ROAD EDGE
- SURFACE PIPELINE
- ▨ SCRAPE @ 2.5 FT
- ▨ STAIN 14,868 SQ FT
- PUMPJACK
- OVERSPRAY (313,096 SQ FT)



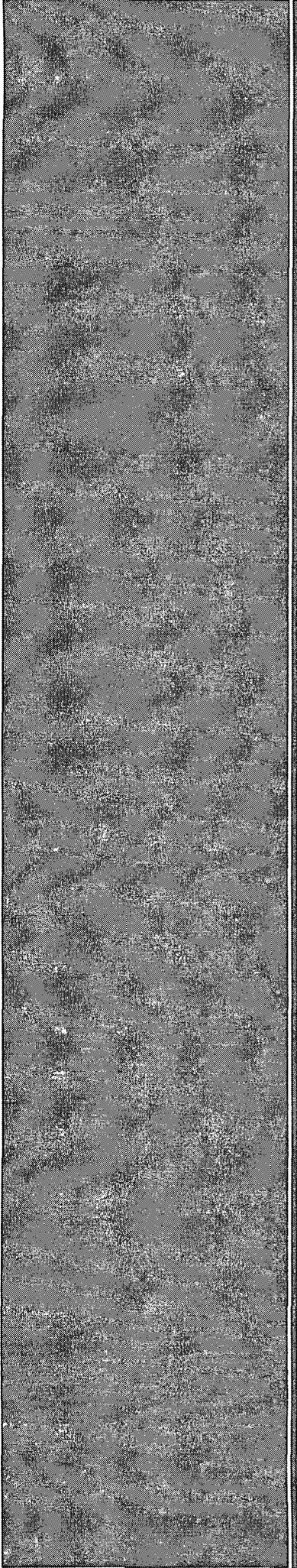
CONOCOPHILLIPS
EVGSAU 0524-098

Legals: UL/C sec. 5
T-18-S R-35-E
LEA COUNTY, NM

Figure 2



GPS date: 4/16/14 CF
Drawing date: 4/23/14
Drafted by: L. Weinheimer



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
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
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State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: ConocoPhillips	Contact: Spencer Cluff
Address: 29 Vacuum Complex Lane	Telephone No. 575-391-3143
Facility Name: EVGSAU Well 0542-098	Facility Type: Oil Well
Surface Owner: NMOCD	Mineral Owner NMOCD
API No. 3002520792	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	05	18S	35E	330	North	1980	West	LEA

Latitude **32.78328382327** Longitude - **103.481947423473**

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 92 BBLS	Volume Recovered: 50 BBLS
Source of Release: Offside Casing Valve	Date and Hour of Occurrence 03/08/14 8:30 am	Date and Hour of Discovery SAME
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking	
By Whom? David May	Date and Hour: 03/10/2014 10:00 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

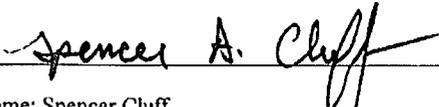
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* **The offside casing valve was left open after being hot watered the previous day. MSO isolated the well and notified supervisor and HSE.**

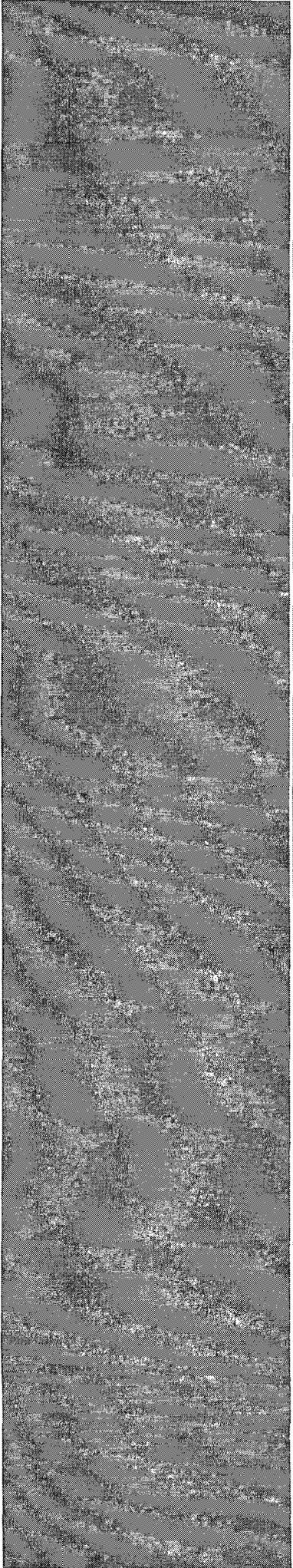
Describe Area Affected and Cleanup Action Taken.*
**Caliche pad area was 138 ft. X 147 ft. and will be remediated according to NMOCD requirements.
Pasture area was 510 ft. X 540 ft. and will be remediated according to NMOCD requirements**

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: 	Approved by Environmental Specialist:	
Printed Name: Spencer Cluff	Approval Date:	Expiration Date:
Title: LEAD HSE	Conditions of Approval:	
E-mail Address: spencer.a.cluff@conocophillips.com	Attached <input type="checkbox"/>	
Date: 03/11/2014	Phone: 575-391-3143	

* Attach Additional Sheets If Necessary



Appendix B

Initial Sampling Labs

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

March 17, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 0524-098

Enclosed are the results of analyses for samples received by the laboratory on 03/12/14 15:40.

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,



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:	03/12/2014	Sampling Date:	03/12/2014
Reported:	03/17/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0524-098	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 1 SURFACE (H400757-01)

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	03/13/2014	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	03/14/2014	ND	212	106	200	7.29		
DRO >C10-C28	101	10.0	03/14/2014	ND	206	103	200	2.06		

Surrogate: 1-Chlorooctane 89.7 % 65.2-140
 Surrogate: 1-Chlorooctadecane 99.7 % 63.6-154

Sample ID: PT. 2 SURFACE (H400757-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	03/13/2014	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	03/14/2014	ND	212	106	200	7.29		
DRO >C10-C28	309	10.0	03/14/2014	ND	206	103	200	2.06		

Surrogate: 1-Chlorooctane 91.7 % 65.2-140
 Surrogate: 1-Chlorooctadecane 113 % 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:	03/12/2014	Sampling Date:	03/12/2014
Reported:	03/17/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0524-098	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 3 SURFACE (H400757-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/13/2014	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	03/14/2014	ND	212	106	200	7.29		
DRO >C10-C28	36.7	10.0	03/14/2014	ND	206	103	200	2.06		

Surrogate: 1-Chlorooctane 96.7 % 65.2-140
 Surrogate: 1-Chlorooctadecane 106 % 63.6-154

Sample ID: PT. 4 SURFACE (H400757-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/13/2014	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	03/14/2014	ND	212	106	200	7.29		
DRO >C10-C28	15.3	10.0	03/14/2014	ND	206	103	200	2.06		

Surrogate: 1-Chlorooctane 89.4 % 65.2-140
 Surrogate: 1-Chlorooctadecane 93.0 % 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:	03/12/2014	Sampling Date:	03/12/2014
Reported:	03/17/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0524-098	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 5 SURFACE (H400757-05)

Chloride, SM4500CI-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	03/13/2014	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	03/14/2014	ND	212	106	200	7.29		
DRO >C10-C28	16.5	10.0	03/14/2014	ND	206	103	200	2.06		

Surrogate: 1-Chlorooctane 88.5 % 65.2-140
 Surrogate: 1-Chlorooctadecane 99.6 % 63.6-154

Sample ID: PT. 6 SURFACE (H400757-06)

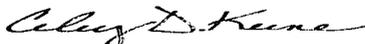
Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/13/2014	ND	416	104	400	3.92		
TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/14/2014	ND	212	106	200	7.29		
DRO >C10-C28	<10.0	10.0	03/14/2014	ND	206	103	200	2.06		

Surrogate: 1-Chlorooctane 92.0 % 65.2-140
 Surrogate: 1-Chlorooctadecane 98.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Caley 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:	03/12/2014	Sampling Date:	03/12/2014
Reported:	03/17/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0524-098	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 7 SURFACE (H400757-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/13/2014	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	03/14/2014	ND	212	106	200	7.29		
DRO >C10-C28	<10.0	10.0	03/14/2014	ND	206	103	200	2.06		

Surrogate: 1-Chlorooctane 82.3 % 65.2-140
 Surrogate: 1-Chlorooctadecane 88.4 % 63.6-154

Sample ID: PT. 8 SURFACE (H400757-08)

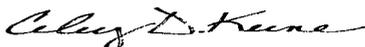
Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/13/2014	ND	416	104	400	3.92		
TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/14/2014	ND	212	106	200	7.29		
DRO >C10-C28	24.2	10.0	03/14/2014	ND	206	103	200	2.06		

Surrogate: 1-Chlorooctane 88.7 % 65.2-140
 Surrogate: 1-Chlorooctadecane 92.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

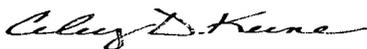
Notes and Definitions

- 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

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Celey D. Keene, Lab Director/Quality Manager



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

March 18, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 0524-098

Enclosed are the results of analyses for samples received by the laboratory on 03/14/14 14:50.

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: 03/14/2014
 Reported: 03/18/2014
 Project Name: EVGSAU 0524-098
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 03/13/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VERTICAL #1 SURFACE (H400782-01)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.200	0.200	03/17/2014	ND	2.32	116	2.00	2.90		
Toluene*	1.22	0.200	03/17/2014	ND	2.21	110	2.00	2.66		
Ethylbenzene*	6.05	0.200	03/17/2014	ND	2.16	108	2.00	2.78		
Total Xylenes*	12.4	0.600	03/17/2014	ND	6.27	104	6.00	2.30		
Total BTEX	19.7	1.20	03/17/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 193 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9600	16.0	03/18/2014	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	320	100	03/17/2014	ND	218	109	200	1.74		
DRO >C10-C28	10400	100	03/17/2014	ND	204	102	200	3.74		

Surrogate: 1-Chlorooctane 170 % 65.2-140

Surrogate: 1-Chlorooctadecane 317 % 63.6-154

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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:	03/14/2014	Sampling Date:	03/13/2014
Reported:	03/18/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0524-098	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: VERTICAL #1 2.5' (H400782-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2014	ND	2.32	116	2.00	2.90		
Toluene*	<0.050	0.050	03/17/2014	ND	2.21	110	2.00	2.66		
Ethylbenzene*	<0.050	0.050	03/17/2014	ND	2.16	108	2.00	2.78		
Total Xylenes*	<0.150	0.150	03/17/2014	ND	6.27	104	6.00	2.30		
Total BTEX	<0.300	0.300	03/17/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/18/2014	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/17/2014	ND	218	109	200	1.74		
DRO >C10-C28	41.6	10.0	03/17/2014	ND	204	102	200	3.74		

Surrogate: 1-Chlorooctane 97.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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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:	03/14/2014	Sampling Date:	03/13/2014
Reported:	03/18/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0524-098	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: VERTICAL #2 SURFACE (H400782-03)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.200	0.200	03/17/2014	ND	2.32	116	2.00	2.90		
Toluene*	2.92	0.200	03/17/2014	ND	2.21	110	2.00	2.66		
Ethylbenzene*	9.49	0.200	03/17/2014	ND	2.16	108	2.00	2.78		
Total Xylenes*	19.1	0.600	03/17/2014	ND	6.27	104	6.00	2.30		
Total BTEX	31.5	1.20	03/17/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 213 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3780	16.0	03/18/2014	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	478	100	03/17/2014	ND	218	109	200	1.74		
DRO >C10-C28	11700	100	03/17/2014	ND	204	102	200	3.74		

Surrogate: 1-Chlorooctane 213 % 65.2-140

Surrogate: 1-Chlorooctadecane 328 % 63.6-154

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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:	03/14/2014	Sampling Date:	03/13/2014
Reported:	03/18/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0524-098	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: VERTICAL #2 2' (H400782-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2014	ND	2.21	110	2.00	0.560		
Toluene*	<0.050	0.050	03/17/2014	ND	2.09	105	2.00	0.746		
Ethylbenzene*	<0.050	0.050	03/17/2014	ND	2.03	101	2.00	0.425		
Total Xylenes*	<0.150	0.150	03/17/2014	ND	5.92	98.6	6.00	0.517		
Total BTEX	<0.300	0.300	03/17/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/18/2014	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/17/2014	ND	218	109	200	1.74		
DRO >C10-C28	235	10.0	03/17/2014	ND	204	102	200	3.74		

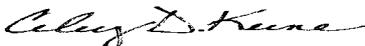
Surrogate: 1-Chlorooctane 99.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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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:	03/14/2014	Sampling Date:	03/14/2014
Reported:	03/18/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0524-098	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: VERTICAL #3 SURFACE (H400782-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.130	0.050	03/17/2014	ND	2.21	110	2.00	0.560		
Toluene*	3.64	0.050	03/17/2014	ND	2.09	105	2.00	0.746		
Ethylbenzene*	9.22	0.050	03/17/2014	ND	2.03	101	2.00	0.425		
Total Xylenes*	15.7	0.150	03/17/2014	ND	5.92	98.6	6.00	0.517		
Total BTEX	28.7	0.300	03/17/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11500	16.0	03/18/2014	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	267	50.0	03/17/2014	ND	218	109	200	1.74			
DRO >C10-C28	4320	50.0	03/17/2014	ND	204	102	200	3.74			

Surrogate: 1-Chlorooctane 129 % 65.2-140

Surrogate: 1-Chlorooctadecane 163 % 63.6-154

Cardinal Laboratories

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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:	03/14/2014	Sampling Date:	03/14/2014
Reported:	03/18/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0524-098	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: VERTICAL #3 2.5' (H400782-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2014	ND	2.21	110	2.00	0.560		
Toluene*	<0.050	0.050	03/17/2014	ND	2.09	105	2.00	0.746		
Ethylbenzene*	<0.050	0.050	03/17/2014	ND	2.03	101	2.00	0.425		
Total Xylenes*	<0.150	0.150	03/17/2014	ND	5.92	98.6	6.00	0.517		
Total BTEX	<0.300	0.300	03/17/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	03/18/2014	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/17/2014	ND	217	108	200	2.29		
DRO >C10-C28	25.4	10.0	03/17/2014	ND	213	107	200	1.57		

Surrogate: 1-Chlorooctane 93.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.2 % 63.6-154

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

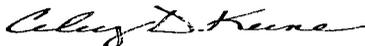
Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

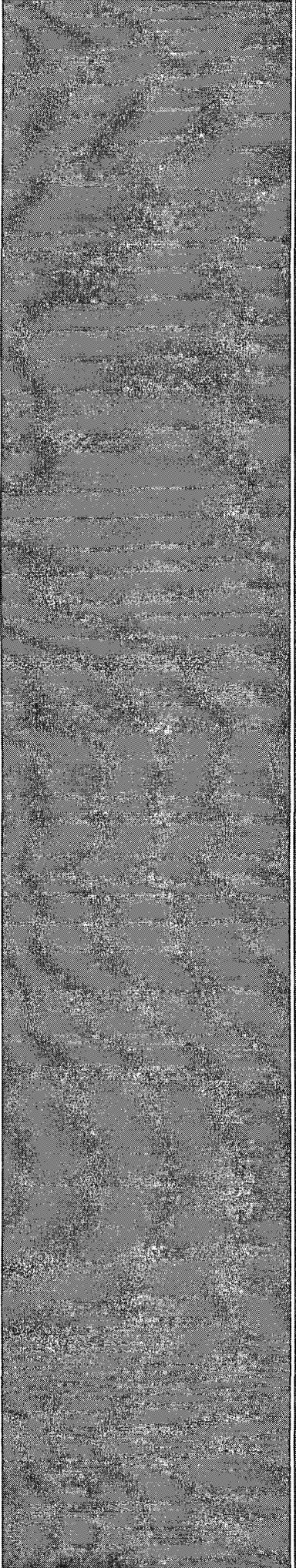
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Celey D. Keene, Lab Director/Quality Manager



Appendix C

CAP Sampling Labs

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

April 22, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 0524-098

Enclosed are the results of analyses for samples received by the laboratory on 04/21/14 16:55.

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:	04/21/2014	Sampling Date:	04/21/2014
Reported:	04/22/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0524-098	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: N BOTTOM E END @ 2.5' (H401195-01)

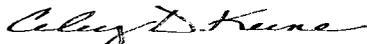
Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	04/22/2014	ND	416	104	400	3.92		
TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/22/2014	ND	184	91.9	200	5.44		
DRO >C10-C28	75.3	10.0	04/22/2014	ND	195	97.7	200	3.58		

Surrogate: 1-Chlorooctane	92.7 %	65.2-140
Surrogate: 1-Chlorooctadecane	96.7 %	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

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

April 24, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 0524-098

Enclosed are the results of analyses for samples received by the laboratory on 04/23/14 15:55.

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 "Caley D. Keene". The signature is written in a cursive style with a large, prominent initial "C".

Caley 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:	04/23/2014	Sampling Date:	04/23/2014
Reported:	04/24/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0524-098	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

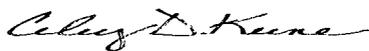
Sample ID: 5 PT BTTM COMP @ 2.5' (H401226-01)

Chloride, SM4500Cl-B			mg/kg			Analyzed By: AP			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/24/2014	ND	400	100	400	3.92	
TPH 8015M			mg/kg			Analyzed By: CK			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/24/2014	ND	181	90.4	200	1.53	
DRO >C10-C28	<10.0	10.0	04/24/2014	ND	193	96.3	200	0.969	
<i>Surrogate: 1-Chlorooctane</i>	<i>85.4 %</i>	<i>65.2-140</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>87.2 %</i>	<i>63.6-154</i>							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

May 05, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 0524-098

Enclosed are the results of analyses for samples received by the laboratory on 04/29/14 16:00.

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:	04/29/2014	Sampling Date:	04/28/2014
Reported:	05/05/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0524-098	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: IMPORTED SOIL (H401289-01)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/01/2014	ND	400	100	400	0.00	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

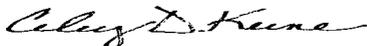
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

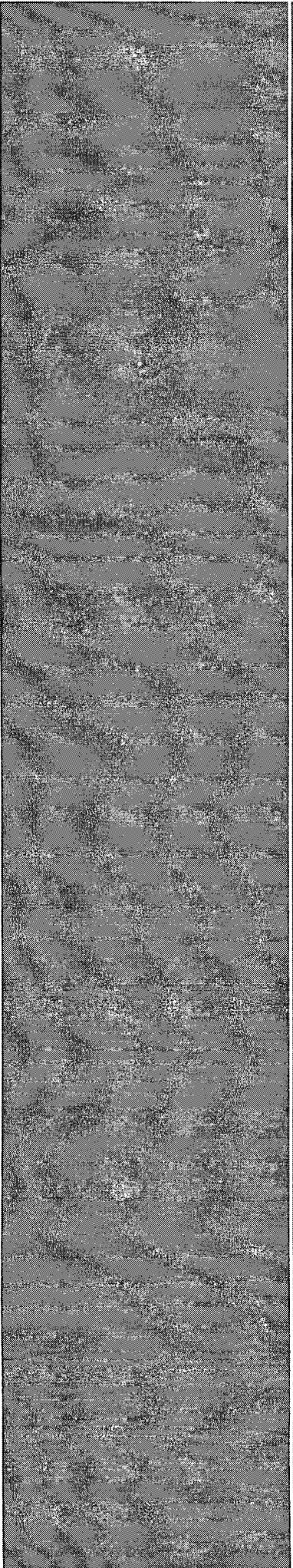
Company Name: RECS		BILL TO				ANALYSIS REQUEST																					
Project Manager: Laura Flores Kyle Norman		P.O. #:		Chlorides TPH 8015 M BTEX Texas TPH Complete Cations/Anions TDS																							
Address:		Company:																									
City: Hobbs State: NM Zip: 88240		Attn:																									
Phone #: Fax #:		Address:																									
Project #: Project Owner:		City:																									
Project Name: Conaco Phillips		State: Zip:																									
Project Location: ESCERA 0524-098		Phone #:																									
Sampler Name: Chris Flores		Fax #:																									
FOR LAB USE ONLY																											
Lab I.D.	Sample I.D.	(C)RAB OR (C)OMP.	# CONTAINERS											MATRIX				PRESERV		SAMPLING							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
H4D1289	Imported soil	C	1			✓					✓		9-29-14	9:00 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:	Date: 9-29-14	Received By: [Signature]	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
[Signature]	Time: 4:00	[Signature]	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		email: hconder@riceswd.com; lflores@rice-ecs.com; lweinheimer@rice-ecs.com; knorman@rice-ecs.com; jkamplain@rice-ecs.com; sedwards@rice-ecs.com; cursanic@rice-ecs.com	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	Environmental Tech: cFlores@rice-ecs.com	
Sampler - UPS - Bus - Other:	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	[Signature]		

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

#54



Appendix D

Photo Documentation

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

ConocoPhillips EVGSAU 0524-098

Unit Letter C, Section 5, T18S, R35E



Initial release area, facing south

3/11/14



Initial release area, facing southeast

3/11/14



Initial release area, facing east

3/11/14



Initial release area, facing southwest

3/11/14



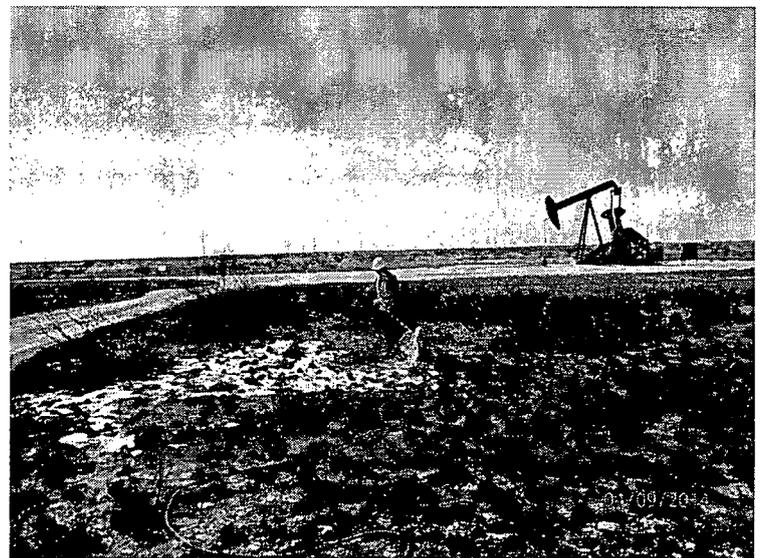
Sampling surface of release, facing northeast 3/12/14



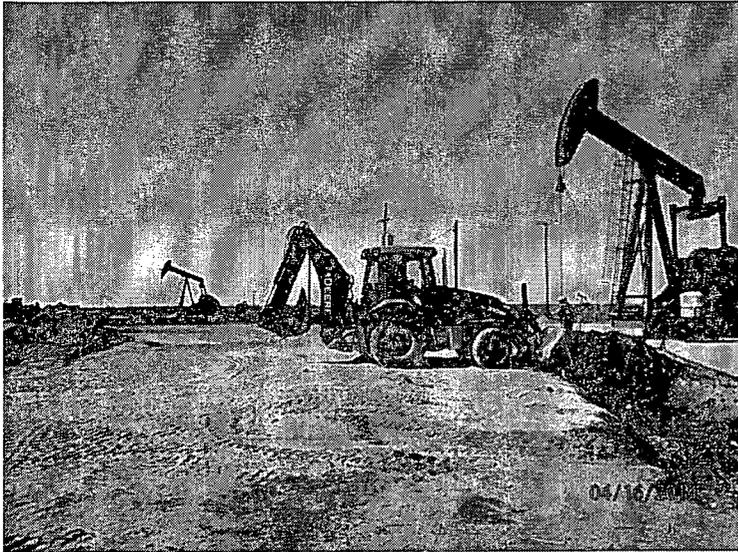
Installing vertical, facing west 3/14/14



First application of Micro-Blaze, facing northeast 3/26/14



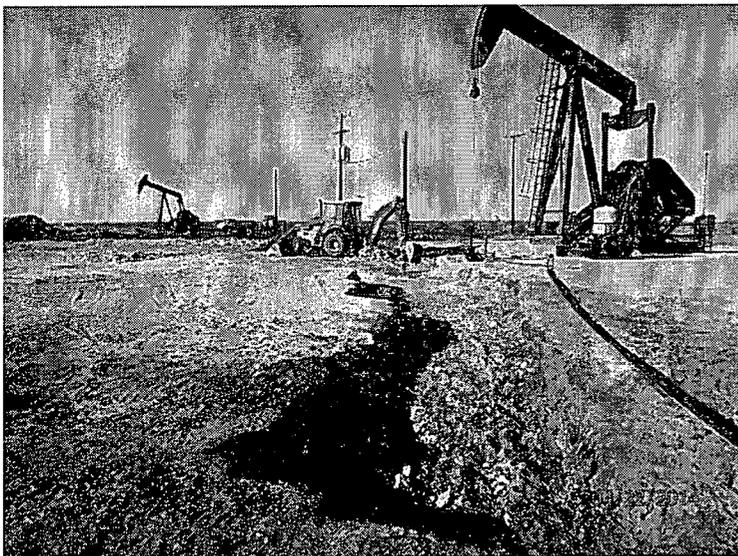
Second application of Micro-Blaze, facing south 4/9/14



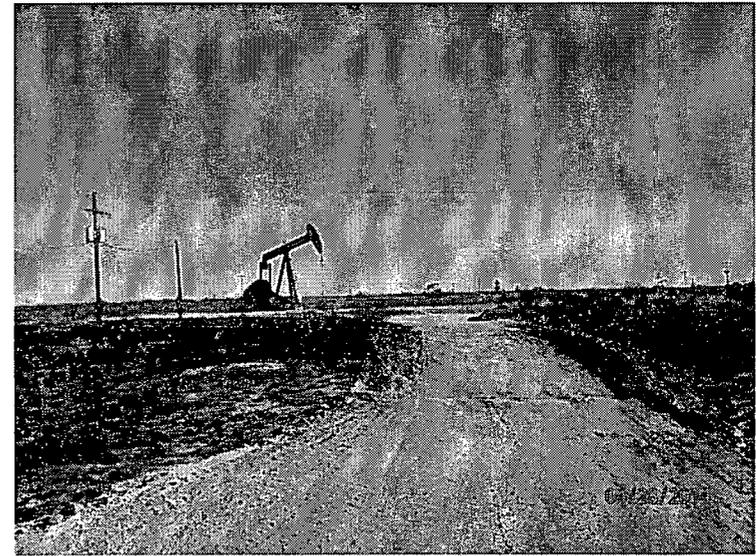
Excavating release area to 2.5 ft bgs, facing southwest 4/16/14



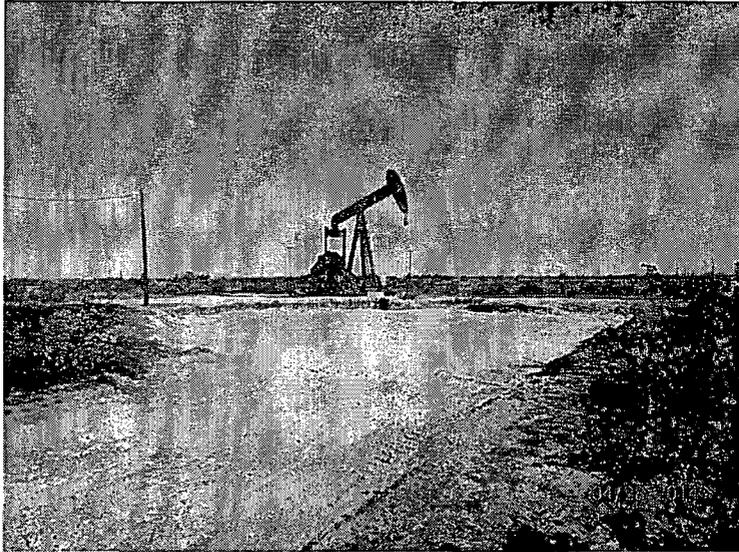
Exporting soil, facing northwest 4/21/14



Continue excavating release area to 2.5 ft bgs, facing southwest 4/22/14



2.5 ft bgs excavation completed, facing north 4/28/14



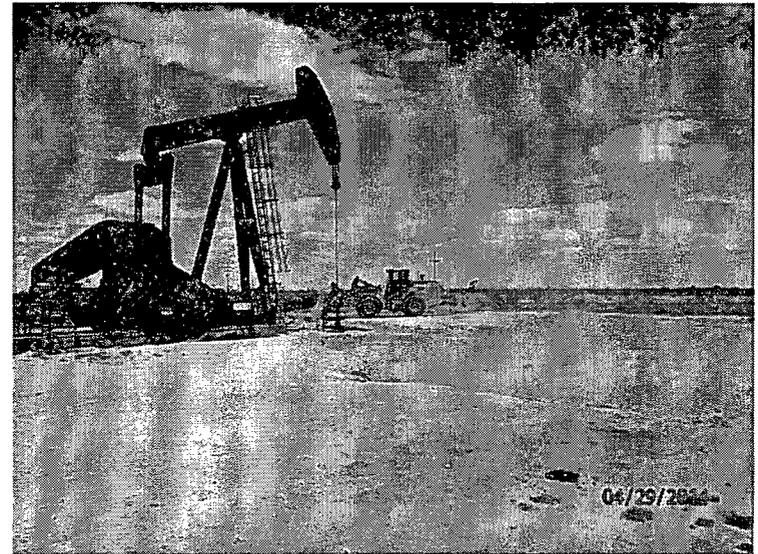
2.5 ft bgs excavation completed, facing northwest
4/28/14



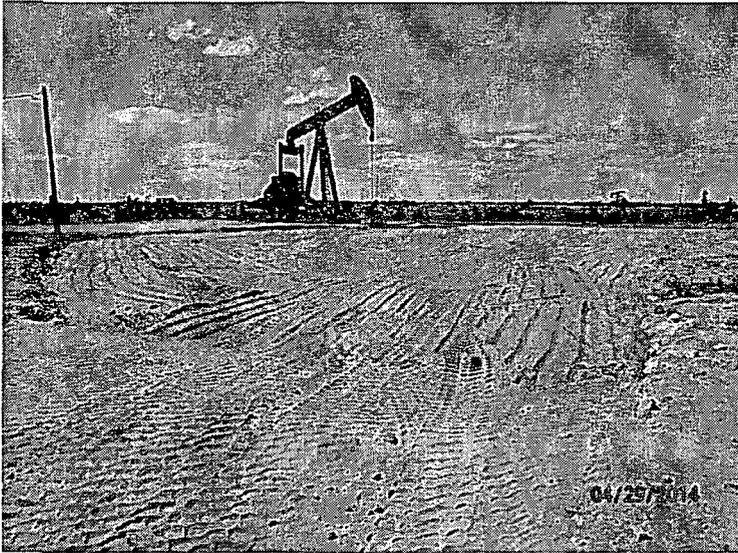
2.5 ft bgs excavation completed, facing southwest
4/28/14



Importing top soil, facing west
4/29/14



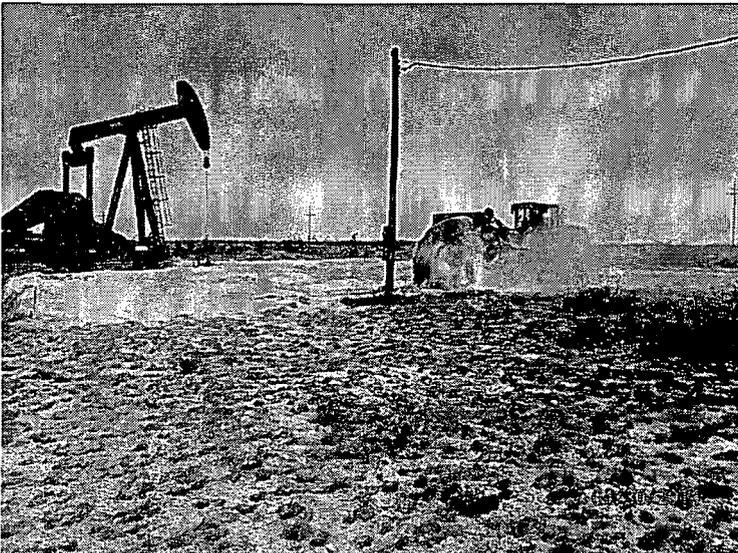
Backfilling with top soil to 6 in bgs, facing northeast
4/29/14



Backfilling with top soil to 6 in bgs completed, facing northwest
4/29/14



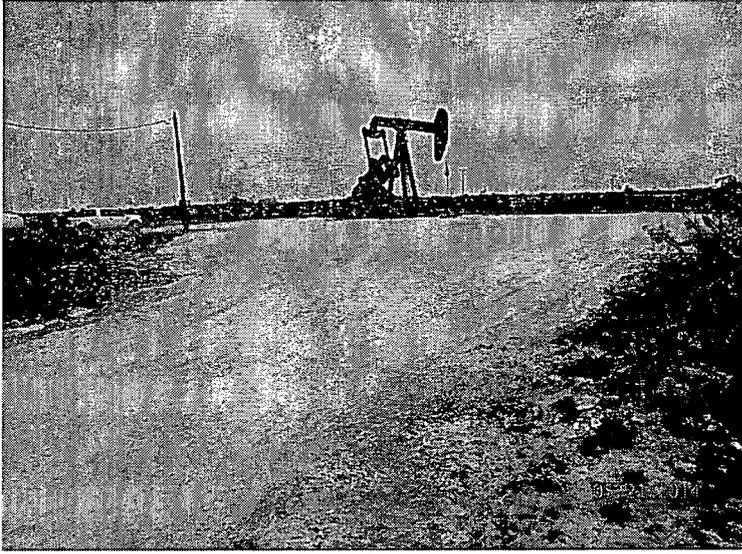
Importing caliche, facing northwest
4/30/14



Backfilling the top 6 in with caliche, facing northeast
4/30/14



Third application of Micro-Blaze, facing northwest
5/21/14



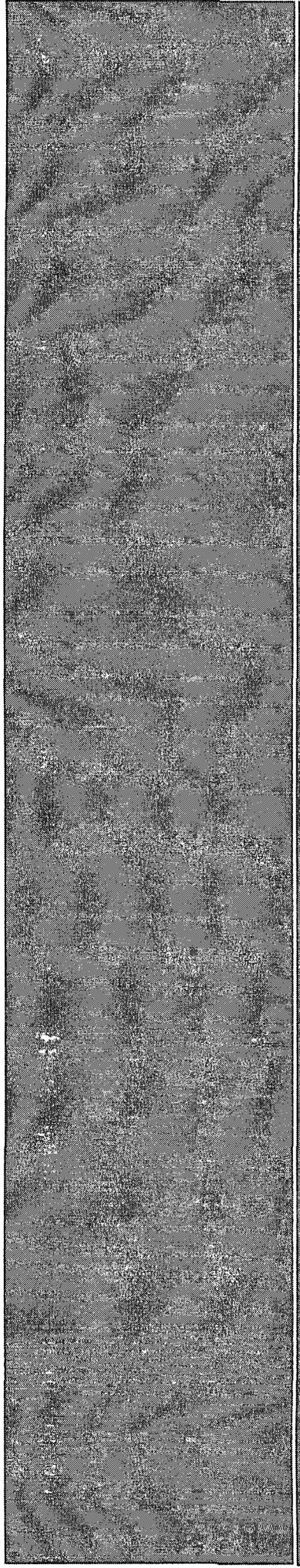
Site completed, facing northwest

5/21/14



Site completed, facing west

5/21/14



Appendix E

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	Contact	
Address	29 Vacuum Complex Lane	Telephone No.	
Facility Name	EVGSAU Well 0542-098	Facility Type	Oil Well
Surface Owner	NMOCD	Mineral Owner	NMOCD
		API No.	3002520792

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	05	18S	35E	330	North	1980	West	Lea

Latitude 32.7832838382327 Longitude -103.481947423473

NATURE OF RELEASE

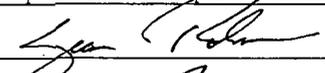
Type of Release	Spill	Volume of Release	92 BBLs	Volume Recovered	50 BBLs
Source of Release	Offside Casing Valve	Date and Hour of Occurrence	03/08/14 8:30 am	Date and Hour of Discovery	SAME
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking		
By Whom?	David May	Date and Hour	03/10/2014 10:00 am		
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.* The offside casing valve was left open after being hot watered the previous day. MSO isolated the well and notified supervisor and HSE.

Describe Area Affected and Cleanup Action Taken.* The release covered 9,886 square feet of lease pad and lease road and over-sprayed 318,078 square feet of pasture land and lease road. RECS personnel were on site beginning on March 11th, 2014 to assess the release. Eight samples were taken within the overspray area and three verticals were installed in the release area on the lease pad. All surface overspray samples were taken to a commercial laboratory for analysis. The surface samples from the overspray returned laboratory chloride readings below 250 mg/kg except at Point 1, which had a chloride reading of 256 mg/kg and Point 2, which had a chloride reading of 432 mg/kg. Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) readings for all the overspray samples were below regulatory standards. Three verticals were installed in the release area on the lease pad. Vertical 1 and Vertical 3 were installed to a depth of 2.5 feet, and Vertical 2 was installed to a depth of 2 feet. As the verticals were installed, samples were taken at regular intervals and field tested for chlorides and organics vapors. Representative samples were taken to a commercial laboratory for analysis. All three verticals returned elevated laboratory chloride readings and TPH readings at the surface of the verticals. BTEX readings at the surface of the verticals were elevated but still below regulatory standards. At the base of each vertical, the chloride values dropped substantially from the surface readings; although, they were still slightly above regulatory standards. The TPH readings and BTEX readings at the base of each vertical were below regulatory standards. Based on the laboratory analysis, a Corrective Action Plan (CAP) was submitted to NMOCD on April 10th, 2014 and approved the same day. NMOCD requested as part of their approval of the CAP that a discrete sample at Vertical 3 be taken: CAP work began at the site on April 9th, 2014. Micro-Blaze was applied throughout the overspray area on three separate dates: April 9th, 2014; April 16th, 2014 and May 21st, 2014. The release area on the pad and lease road was scraped down to 2.5 feet bgs: A total of 1,000 cubic yards of contaminated soil was taken to a NMOCD approved facility for disposal. At the base of the scrape, a 5 point bottom composite was taken to a commercial laboratory for analysis. The laboratory chloride reading returned a result of 208 mg/kg, and the GRO and DRO readings returned results of non-detect. As requested by NMOCD a discrete sample at Vertical 3 was taken and sent to a commercial laboratory for analysis. The sample returned a laboratory chloride reading of 256 mg/kg, a GRO reading of non-detect and a DRO reading of 75.3 mg/kg. A total of 860 cubic yards of top soil and 380 cubic yards of caliche were imported to the site to serve as backfill. A sample of the imported soil was taken to a commercial laboratory and returned a chloride result of non-detect. The 2.5 ft scrape was backfilled to 6 in bgs with the top soil and then capped with 6 in of caliche.

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 T. ROBINSON	Approved by Environmental Specialist:	
Title:	OPERATIONS SUPERVISOR	Approval Date:	Expiration Date:
E-mail Address:	Sean.T.Robinson@cp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date:	7/2/14	Phone:	575-790-8873