



AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pTO1419630771

1RP - 3174

CONOCOPHILLIPS COMPANY

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

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

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

Surface Owner: NMOCD	Mineral Owner NMOCD	API No. 3002520792
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LOCATION OF RELEASE

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

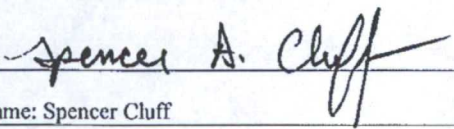
Describe Cause of Problem and Remedial Action Taken.* The offside casing valve was left open after being hot watered the previous day. MSO isolated the well and notified supervisor and HSE.

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: 

Printed Name: Spencer Cluff

Title: LEAD HSE

E-mail Address: spencer.a.cluff@conocophillips.com

Date: 03/11/2014

Phone: 575-391-3143

Approved by Environmental Specialist:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary



HOBBS OCD

APR 10 2014

RECEIVED

CONOCOPHILLIPS

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

EVGSAU 0524-098

Corrective Action Plan

*approved w/ inclusion of
discrete sample @ vertical 3*
Jeffrey Sekim
Environmental Specialist
NMOC-DIST 1
4/10/14

API No. 3002520792

Release Date: March 8th, 2014

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

3174



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

March 25th, 2014

Geoffrey Leking

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

**RE: Corrective Action Plan
ConocoPhillips EVGSAU 0524-098
UL/C sec. 5 T18S R35E
API No. 3002520792**

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 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 vertical 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.

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

Corrective Action Plan

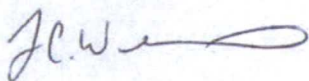
Based on the laboratory analysis, the release area on the pad and lease road will be scraped down to 2.5 feet bgs. All the excavated soil will be taken to a NMOCD approved facility for disposal. Clean caliche will be imported to the site to serve as backfill. A sample of the caliche will be taken to a commercial laboratory for analysis to verify chloride levels below 250 mg/kg. The 2.5 foot excavation will be backfill with the caliche and contoured to the surrounding location.

Two to three applications of Micro-Blaze will 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.

Once these actions have been completed, a report will be submitted detailing these activities and requesting 'remediation termination' and site closure.

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

Sincerely,



Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

- Figure 1 – Initial Sampling Data
- Appendix A – Initial C-141
- Appendix B – Initial Sampling Labs
- Appendix C – Photo Documentation

Initial Sampling Data

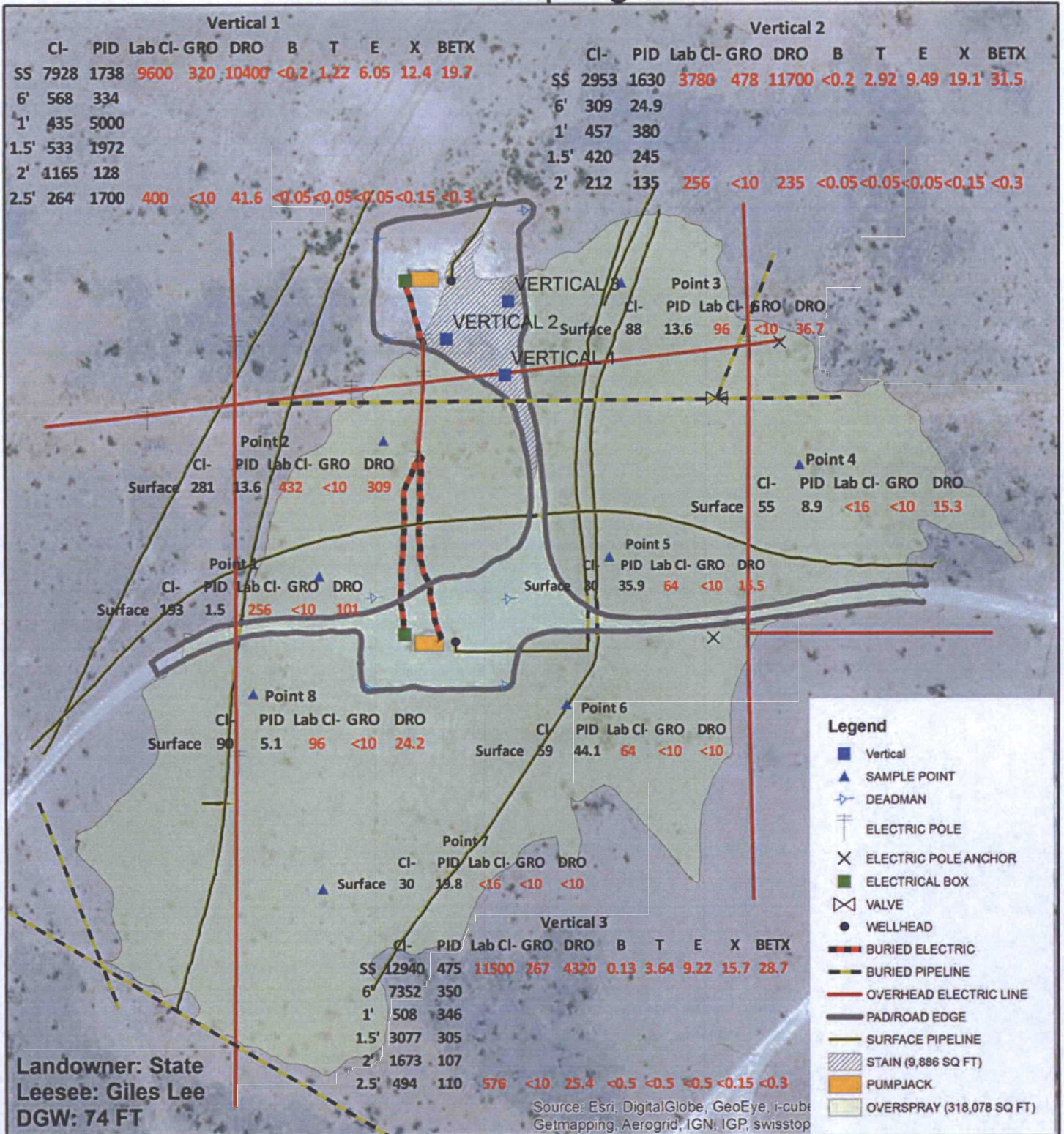


Figure 1



0 100 200
Feet

GPS date: 3/12/14 KN
Drawing date: 3/13/14
Drafted by: C. Ursanic



RICE ENVIRONMENTAL
CONSULTING & SAFETY

CONOCOPHILLIPS
EVGSAU 0524-098

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



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

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,

A handwritten signature in dark ink, reading "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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
 Reported: 03/17/2014
 Project Name: EVGSAU 0524-098
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 03/12/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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								

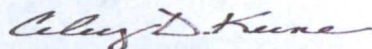
Sample ID: PT. 2 SURFACE (H400757-02)

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

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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: 03/12/2014
 Reported: 03/17/2014
 Project Name: EVGSAU 0524-098
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 03/12/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	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, 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	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	

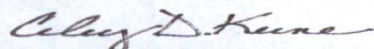
Surrogate: 1-Chlorooctane 89.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.0 % 63.6-154

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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: 03/12/2014
 Reported: 03/17/2014
 Project Name: EVGSAU 0524-098
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 03/12/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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

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	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, 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	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	

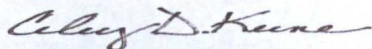
Surrogate: 1-Chlorooctane 92.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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
 Reported: 03/17/2014
 Project Name: EVGSAU 0524-098
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 03/12/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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

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	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							

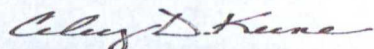
Sample ID: PT. 8 SURFACE (H400757-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	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							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

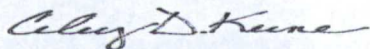
Notes and Definitions

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

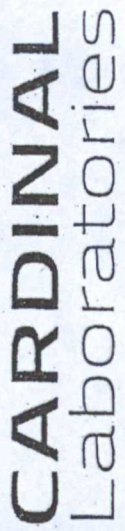
Cardinal Laboratories

* = Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager



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

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



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/ga/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 fluid and cursive.

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: 03/14/2014
 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 (PID) 193 % 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	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	

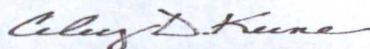
Surrogate: 1-Chlorooctane 170 % 65.2-140

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
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 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	

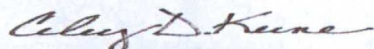
Surrogate: 1-Chlorooctane 97.7 % 65.2-140

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
 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 #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						
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	

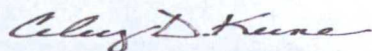
Surrogate: 1-Chlorooctane 213 % 65.2-140

Surrogate: 1-Chlorooctadecane 328 % 63.6-154

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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 #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, 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	03/18/2014	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	

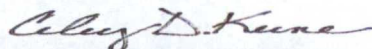
Surrogate: 1-Chlorooctane 99.5 % 65.2-140

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

 Sampling Date: 03/14/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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 (PIL) 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		

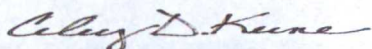
Surrogate: 1-Chlorooctane 129 % 65.2-140

Surrogate: 1-Chlorooctadecane 163 % 63.6-154

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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: 03/14/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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 (PIL) 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	

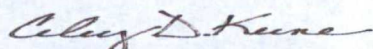
Surrogate: 1-Chlorooctane 93.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.2 % 63.6-154

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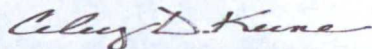
Notes and Definitions

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

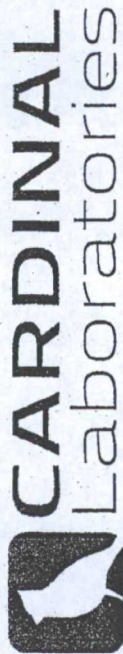
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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

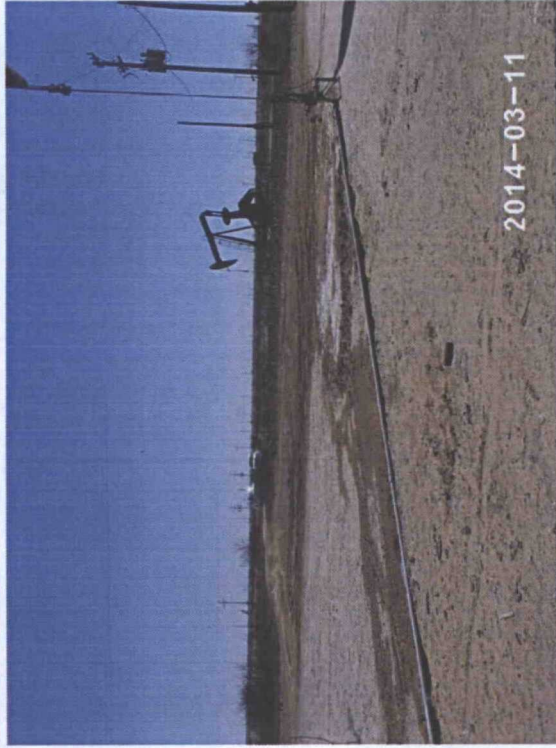
Company Name: RECS		BILL TO		ANALYSIS REQUEST																									
Project Manager: KYLE NORMAN		P.O. #:																											
Address:		Company:																											
City:		Attn:																											
Phone #:		Address:																											
Project #:		City:																											
Project Name:		State:																											
Project Location: Col EYGSAU 0524-698		Phone #:																											
Sampler Name: EDWARD CESARE		Fax #:																											
FOR LAB USE ONLY		PRESERV		SAMPLING																									
Lab I.D.		MATRIX		OTHER:		ACID/BASE:		ICE / COOL		OTHER:																			
Sample I.D.		GROUNDWATER		SLUDGE		OIL		WASTEWATER		SOIL		CHLORIDES		TPH		BTEX													
1 VERTICAL #1 Surface		WASTEWATER		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME											
2 VERTICAL #1 2.5'		GROUNDWATER		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		3-13-14		12:30											
3 VERTICAL #2 Surface		WASTEWATER		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		3-13-14		12:36											
4 VERTICAL #2 2'		GROUNDWATER		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		3-13-14		12:45											
5 VERTICAL #3 Surface		WASTEWATER		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		3-13-14		12:40											
6 VERTICAL #3 2.5'		GROUNDWATER		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		3-14-14		10:15											

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Relinquished By: Edward Cesare	Date: 3-14-14	Received By: Debi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: honder@riceswd.com
Relinquished By: Debi Benson	Date: 3-14-14	Time: 2:50	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: Knorman@rice-ecs.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:			REMARKS: lweinhimer@rice-ecs.com ecesare@rice-ecs.com	

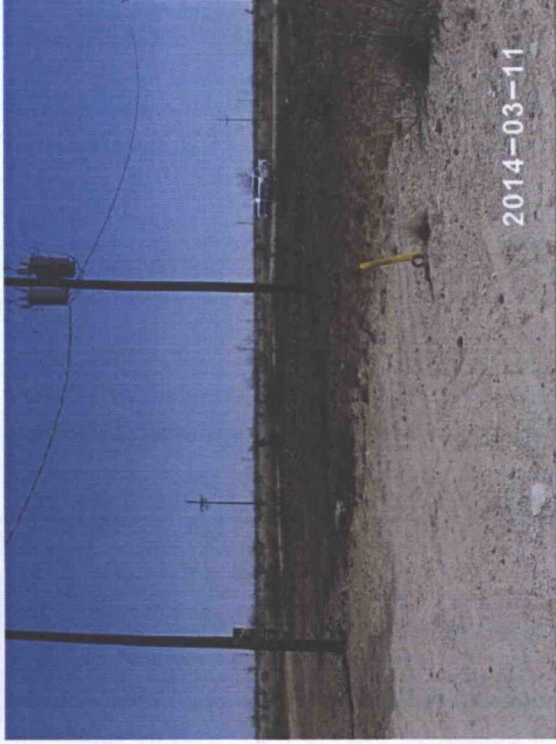
ConocoPhillips EVGSAU 0524-098

Unit Letter C, Section 5, T18S, R35E



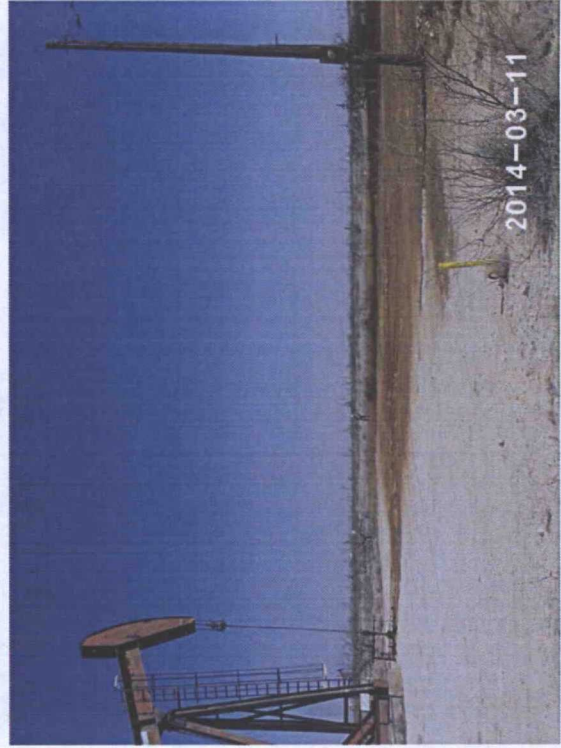
Initial release area, facing south

3/11/14



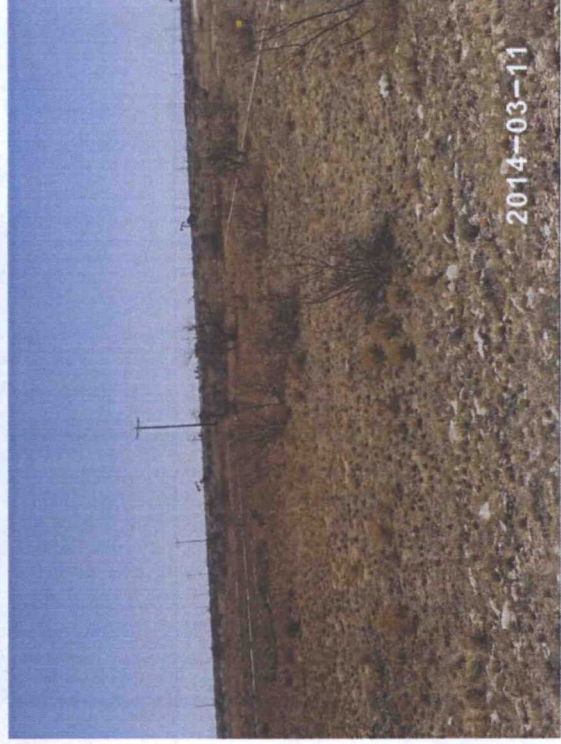
Initial release area, facing southeast

3/11/14



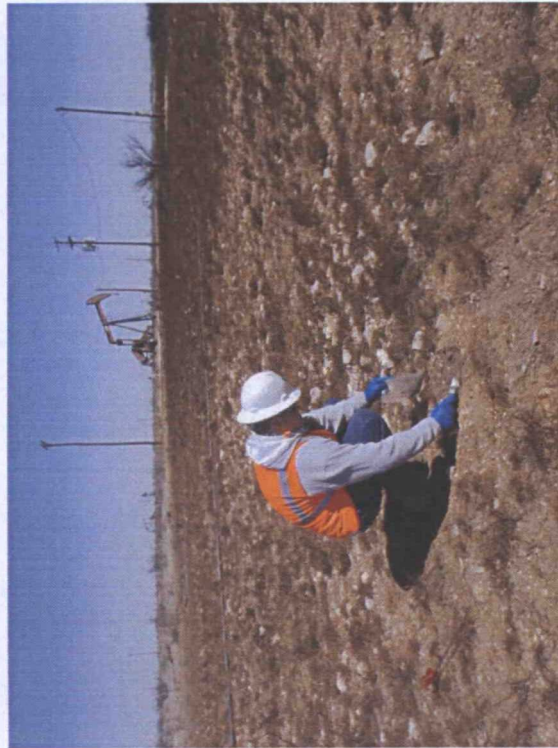
Initial release area, facing east

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