

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: <b>ConocoPhillips</b>	Contact: <b>David May</b>
Address: <b>29 Vacuum Complex Lane</b>	Telephone No. <b>575-391-3106/575-631-5907</b>
Facility Name: <b>MCA battery 2</b>	Facility Type: <b>Water Transfer Line</b>
Surface Owner: <b>BLM</b>	Mineral Owner <b>BLM</b> API No. <b>3002500733</b>

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	28	17S	32E	660	North	660	west	LEA

Latitude **32.8110313626827** Longitude - **103.777900360354**

**NATURE OF RELEASE**

Type of Release: <b>Spill</b>	Volume of Release: <b>573 BBLS</b>	Volume Recovered: <b>440 BBLS</b>
Source of Release: <b>4 inch fiberglass water transfer line</b>	Date and Hour of Occurrence <b>12/19/13 5:13 pm</b>	Date and Hour of Discovery <b>SAME</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>Jim Amos/Geoffrey Leking</b>	
By Whom? <b>David May</b>	Date and Hour: <b>12/20/13 9:45 am</b>	
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.\*

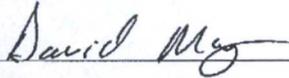
Describe Cause of Problem and Remedial Action Taken.\*

Release originated from a 4 inch fiberglass trunk line that transfers produced water from several facilities to MCA Injection Station #2. The area MSO spotted the release while making final daily surveillance rounds. The affected line was identified, isolated, and locked out by the area MSO. Spill volumes were calculated to be 573 bbls of produced water with 440 bbls being recovered by vacuum trucks. The affected area was 175' x 68' of pasture and lease road. The incident is being investigated to determine root cause.

Describe Area Affected and Cleanup Action Taken.\*

The affected area was 175' x 68' of pasture and lease road. The incident is being investigated to determine root cause. The area will be remediated according to BLM and NMOCD guidelines.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>David May</b>	Approved by Environmental Specialist:	
Title: <b>LEAD HSE</b>	Approval Date:	Expiration Date:
E-mail Address: <b>david.d.may@conocophillips.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>12/20/2013</b> Phone: <b>575-391-3106</b>		

\* Attach Additional Sheets If Necessary



# CONOCOPHILLIPS

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

## MCA Battery 2

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# Corrective Action Plan

API No. 3002500733

Release Date: December 19<sup>th</sup>, 2013

Unit Letter D, Section 28, Township 17S, Range 32E

April 7<sup>th</sup>, 2014

**Geoffrey Leking**

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

RE: **Corrective Action Plan**  
**ConocoPhillips MCA Battery 2**  
**UL/D sec. 28 T17S R32E**  
**API No. 3002500733**

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 3.2 miles southwest of Maljamar, New Mexico at UL/D sec. 28 T17S R32E. NM OSE records indicate that groundwater will likely be encountered at a depth of approximately 81 +/- feet.

On December 19<sup>th</sup>, 2013, a 4 inch fiberglass water transfer line leaked releasing 573 barrels of produced water over 8,951 square feet of lease road and pasture land. Vacuum trucks were called to the site and recovered 440 barrels of produced water. NMOCD and BLM were notified of the release on December 20<sup>th</sup>, 2013 and an initial C-141 was submitted to NMOCD for their approval (Appendix A).

RECS personnel were on site beginning on February 5<sup>th</sup>, 2014 to assess the release. The site had already been scraped down 6 inches to remove the wet material. Five points within the release were sampled at the surface of the scrape and with depth and field tested for chlorides and organic vapors (Figure 1). Representative samples were taken to a commercial laboratory for analysis. Point 1, Point 3 and Point 4 at all sampling depths returned laboratory chloride results below 250 mg/kg, Gasoline Range Organic (GRO) readings of non-detect, Diesel Range Organic (DRO) readings below regulatory standards and BTEX readings of non-detect (Appendix B). Point 2 was sampled to a depth of 14 ft bgs where the laboratory chloride result was 1,200 mg/kg the DRO result was 22.4 mg/kg, and GRO and BTEX readings were non-detect. Although, Point 2 at 14 ft bgs still showed chloride levels slightly above regulatory standards, the chloride values dropped precipitously as the vertical was advanced to 14 ft bgs. Point 5 was sampled to a depth of 10 ft bgs. Both the 9 ft and 10 ft bgs samples returned chloride, GRO, DRO and BTEX results below regulatory standards.

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

### **Corrective Action Plan**

Based on the laboratory analysis of the site, no further actions to Point 1, Point 3 and Point 4 are warranted. The area around Point 2 and Point 5, encompassing approximately 2,643 square feet, will be excavated to 4 ft bgs (Figure 2). A 20-mil reinforced poly liner will be installed and properly seated at the base of the final excavation. The excavated soils will be evaluated for use as backfill and any soils that do not meet regulatory standards will be taken to a NMOCD approved facility for disposal. Clean soil will be imported to the site to replace any soils taken to disposal. The excavated soils will be blended on site with any imported soil to use as backfill. A sample of the blended soil will be taken to a commercial laboratory to confirm that the chloride value is below 500 mg/kg and the combined TPH is below 1,000 mg/kg.

The area around the source of the release blew out with the pressure of the release leaving a depressed area of approximately 590 square feet around the line at approximately 4 ft deep. At the base of this depression, a 20-mil reinforced poly liner will be installed and properly seated.

Both lined areas and the previously scraped areas will be backfilled with the blended soil to the surface and contoured to the surrounding location. Upon completion of backfilling, soil amendments will be added to the site as needed and the site will be seeded with LPC mix.

Once these actions have been completed, a request for 'remediation termination' will be submitted to NMOCD and BLM for approval.

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

Sincerely,



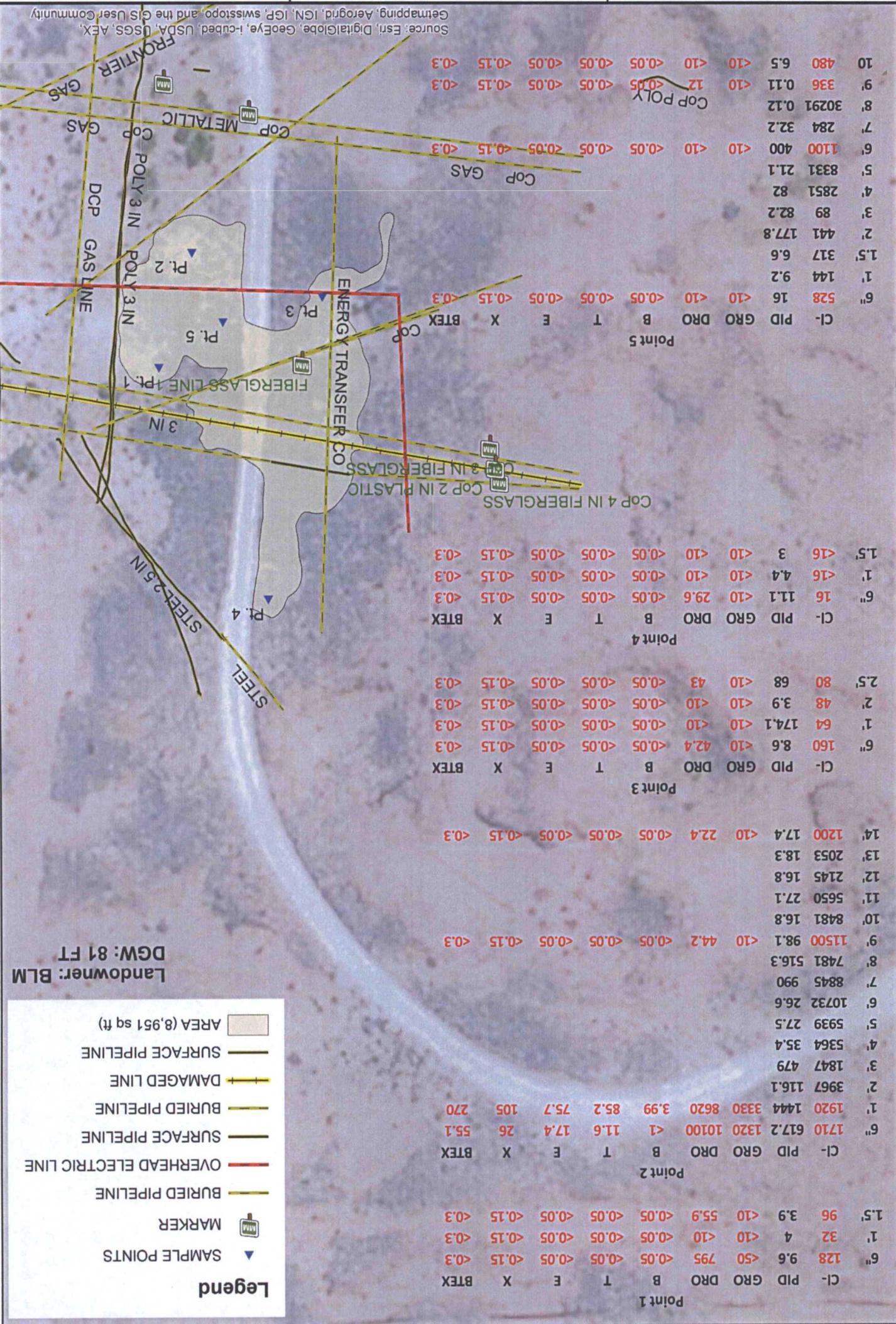
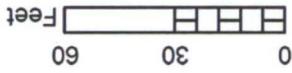
Lara Weinheimer  
Project Scientist  
RECS  
(575) 441-0431

Attachments:

- Figure 1 – Initial Sampling Data
- Figure 2 – Proposed Corrective Actions
- Appendix A – Initial C-141
- Appendix B – Initial Sampling Lab
- Appendix C – Photo Documentation

**CONOCOPHILLIPS**  
**MCA BATTERY 2**  
 LEGALS: UI/D sec. 28  
 T-17-S-R-32-E  
 LEA COUNTY, NM

Figure 1  
 GPS date: 2/21/14  
 Drawing date: 2/26/14  
 Drafted by: L. Weinheimer



Point	CI-	PID	GRO	DRO	B	T	E	X	BTEX
Point 1	128	9.6	<50	795	<0.05	<0.05	<0.05	<0.05	<0.3
1'	32	4	<10	<0.05	<0.05	<0.05	<0.05	<0.15	<0.3
1.5'	96	3.9	<10	55.9	<0.05	<0.05	<0.05	<0.15	<0.3
Point 2	1710	617.2	1320	10100	<1	11.6	17.4	26	55.1
1'	1920	1444	3330	8620	3.99	85.2	75.7	105	270
1.5'	3967	116.1	1847	479	5364	35.4	5939	27.5	10732
2'	3967	116.1	1847	479	5364	35.4	5939	27.5	10732
3'	1847	479	5364	35.4	5939	27.5	10732	26.6	8845
4'	5364	35.4	5939	27.5	10732	26.6	8845	990	8845
5'	5939	27.5	10732	26.6	8845	990	8845	990	8845
6'	10732	26.6	8845	990	8845	990	8845	990	8845
7'	8845	990	8845	990	8845	990	8845	990	8845
8'	7481	516.3	11500	98.1	<10	44.2	<0.05	<0.15	<0.3
9'	11500	98.1	<10	44.2	<0.05	<0.05	<0.05	<0.15	<0.3
10'	8481	16.8	5650	27.1	2145	16.8	2053	18.3	1200
11'	5650	27.1	2145	16.8	2053	18.3	1200	17.4	<10
12'	2145	16.8	2053	18.3	1200	17.4	<10	22.4	<0.05
13'	2053	18.3	1200	17.4	<10	22.4	<0.05	<0.05	<0.15
14'	1200	17.4	<10	22.4	<0.05	<0.05	<0.05	<0.15	<0.3
Point 3	160	8.6	<10	42.4	<0.05	<0.05	<0.05	<0.15	<0.3
1'	64	174.1	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
1.5'	80	68	<10	43	<0.05	<0.05	<0.05	<0.15	<0.3
2'	48	3.9	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
2.5'	80	68	<10	43	<0.05	<0.05	<0.05	<0.15	<0.3
Point 4	16	11.1	<10	29.6	<0.05	<0.05	<0.05	<0.15	<0.3
1'	16	4.4	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
1.5'	16	3	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
Point 5	528	16	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
1'	144	9.2	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
1.5'	317	6.6	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
2'	441	177.8	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
3'	89	82.2	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
4'	2851	82	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
5'	8331	21.1	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
6'	1100	400	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
7'	284	32.2	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
8'	30291	0.12	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
9'	336	0.11	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
10'	480	6.5	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3

Landowner: BLM  
 DGW: 81 FT

- Legend**
- ▲ SAMPLE POINTS
  - MARKER
  - BURIED PIPELINE
  - OVERHEAD ELECTRIC LINE
  - SURFACE PIPELINE
  - BURIED PIPELINE
  - SURFACE PIPELINE
  - BURIED PIPELINE
  - DAMAGED LINE
  - SURFACE PIPELINE
  - AREA (8,951 sq ft)

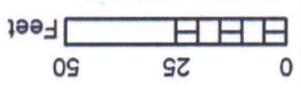
Initial Sampling Data



LEGALS: UL/D sec. 28  
T-17-S-R-32-E  
LEA COUNTY, NM

**CONOCOPHILLIPS  
MCA BATTERY 2**

Figure 2



GPS date: 1/24/14 KN  
Drawing date: 2/25/14  
Drafted by: L. Weinheimer



**Legend**

- AREA (8,951 sq ft) SCRAPED TO 6 IN
- PROPOSED 20-MIL LINER AT 4 FT BGS
- SURFACE PIPELINE
- DAMAGED LINE
- BURIED PIPELINE
- SURFACE PIPELINE
- OVERHEAD ELECTRIC LINE
- BURIED PIPELINE
- MARKER
- SAMPLE POINTS



Landowner: BLM  
DGW: 81 FT

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

Proposed Corrective Actions



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

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February 26, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: CONOCO PHILLIPS MCA STATION 2

Enclosed are the results of analyses for samples received by the laboratory on 02/25/14 11:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 1 6" (H400564-01)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/26/2014	ND	2.09	105	2.00	1.77		
Toluene*	<0.050	0.050	02/26/2014	ND	2.18	109	2.00	2.03		
Ethylbenzene*	<0.050	0.050	02/26/2014	ND	2.07	103	2.00	1.54		
Total Xylenes*	<0.150	0.150	02/26/2014	ND	6.33	105	6.00	2.34		
Total BTEX	<0.300	0.300	02/26/2014	ND						

Surrogate: Dibromofluoromethane 99.3 % 61.3-142

Surrogate: Toluene-d8 99.2 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	02/26/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	02/25/2014	ND	209	105	200	0.228		
DRO >C10-C28	795	50.0	02/25/2014	ND	203	101	200	0.0533		

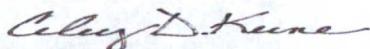
Surrogate: 1-Chlorooctane 97.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 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:	02/25/2014	Sampling Date:	02/20/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 1 1' (H400564-02)**
**BTEX 8260B**
**mg/kg**
**Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					

*Surrogate: Dibromofluoromethane* 94.4 % 61.3-142

*Surrogate: Toluene-d8* 102 % 71.3-129

*Surrogate: 4-Bromofluorobenzene* 101 % 65.7-141

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	02/26/2014	ND	400	100	400	0.00	

**TPH 8015M**
**mg/kg**
**Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/25/2014	ND	209	105	200	0.228	
DRO >C10-C28	<10.0	10.0	02/25/2014	ND	203	101	200	0.0533	

*Surrogate: 1-Chlorooctane* 91.8 % 65.2-140

*Surrogate: 1-Chlorooctadecane* 97.4 % 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:	02/25/2014	Sampling Date:	02/20/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 1 1.5' (H400564-03)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16		
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 94.8 % 61.3-142  
 Surrogate: Toluene-d8 103 % 71.3-129  
 Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/26/2014	ND	400	100	400	0.00		

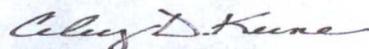
TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/25/2014	ND	209	105	200	0.228		
DRO >C10-C28	55.9	10.0	02/25/2014	ND	203	101	200	0.0533		

Surrogate: 1-Chlorooctane 96.0 % 65.2-140  
 Surrogate: 1-Chlorooctadecane 99.5 % 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:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 2 6" (H400564-04)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<1.00	1.00	02/26/2014	ND	2.09	105	2.00	1.77		
<b>Toluene*</b>	<b>11.6</b>	1.00	02/26/2014	ND	2.18	109	2.00	2.03		
<b>Ethylbenzene*</b>	<b>17.4</b>	1.00	02/26/2014	ND	2.07	103	2.00	1.54		
<b>Total Xylenes*</b>	<b>26.0</b>	3.00	02/26/2014	ND	6.33	105	6.00	2.34		
<b>Total BTEX</b>	<b>55.1</b>	6.00	02/26/2014	ND						

Surrogate: Dibromofluoromethane 99.9 % 61.3-142  
 Surrogate: Toluene-d8 97.4 % 71.3-129  
 Surrogate: 4-Bromofluorobenzene 137 % 65.7-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>1710</b>	16.0	02/26/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10</b>	<b>1320</b>	100	02/25/2014	ND	209	105	200	0.228			
<b>DRO &gt;C10-C28</b>	<b>10100</b>	100	02/25/2014	ND	203	101	200	0.0533			

Surrogate: 1-Chlorooctane 171 % 65.2-140  
 Surrogate: 1-Chlorooctadecane 262 % 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:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 2 1' (H400564-05)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	3.99	2.00	02/26/2014	ND	2.09	105	2.00	1.77		
Toluene*	85.2	2.00	02/26/2014	ND	2.18	109	2.00	2.03		
Ethylbenzene*	75.7	2.00	02/26/2014	ND	2.07	103	2.00	1.54		
Total Xylenes*	105	6.00	02/26/2014	ND	6.33	105	6.00	2.34		
<b>Total BTEX</b>	<b>270</b>	<b>12.0</b>	<b>02/26/2014</b>	<b>ND</b>						

Surrogate: Dibromofluoromethane 94.7 % 61.3-142  
 Surrogate: Toluene-d8 100 % 71.3-129  
 Surrogate: 4-Bromofluorobenzene 136 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	02/26/2014	ND	400	100	400	0.00		
<b>TPH 8015M</b>	<b>mg/kg</b>								<b>S-06</b>	

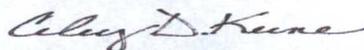
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3330	100	02/25/2014	ND	209	105	200	0.228	
DRO >C10-C28	8620	100	02/25/2014	ND	203	101	200	0.0533	

Surrogate: 1-Chlorooctane 291 % 65.2-140  
 Surrogate: 1-Chlorooctadecane 459 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

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 KYLE NORMAN  
 419 W. CAIN  
 HOBBS NM, 88240  
 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 2 9' (H400564-06)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16		
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 92.2 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 106 % 65.7-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11500	16.0	02/26/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/25/2014	ND	209	105	200	0.228		
DRO >C10-C28	44.2	10.0	02/25/2014	ND	203	101	200	0.0533		

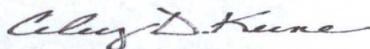
Surrogate: 1-Chlorooctane 94.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.7 % 63.6-154

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 KYLE NORMAN  
 419 W. CAIN  
 HOBBS NM, 88240  
 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 2 14' (H400564-07)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16		
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 94.8 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	02/26/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/25/2014	ND	209	105	200	0.228		
DRO >C10-C28	22.4	10.0	02/25/2014	ND	203	101	200	0.0533		

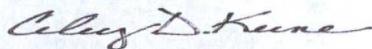
Surrogate: 1-Chlorooctane 91.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.9 % 63.6-154

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 KYLE NORMAN  
 419 W. CAIN  
 HOBBS NM, 88240  
 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 3 6" (H400564-08)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16		
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 99.8 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>160</b>	16.0	02/26/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228		
<b>DRO &gt;C10-C28</b>	<b>42.4</b>	10.0	02/26/2014	ND	203	101	200	0.0533		

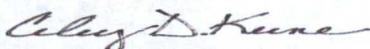
Surrogate: 1-Chlorooctane 91.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.3 % 63.6-154

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 KYLE NORMAN  
 419 W. CAIN  
 HOBBS NM, 88240  
 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 3 1' (H400564-09)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16		
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 97.0 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 98.1 % 65.7-141

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	02/26/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228		
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533		

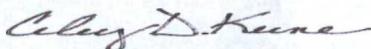
Surrogate: 1-Chlorooctane 92.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.3 % 63.6-154

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 KYLE NORMAN  
 419 W. CAIN  
 HOBBS NM, 88240  
 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/20/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 3 2' (H400564-10)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16		
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 96.3 % 61.3-142  
 Surrogate: Toluene-d8 102 % 71.3-129  
 Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/26/2014	ND	400	100	400	0.00		

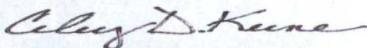
TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228		
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533		

Surrogate: 1-Chlorooctane 82.3 % 65.2-140  
 Surrogate: 1-Chlorooctadecane 82.9 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

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 KYLE NORMAN  
 419 W. CAIN  
 HOBBS NM, 88240  
 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 3 2.5' (H400564-11)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16		
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 94.4 % 61.3-142  
 Surrogate: Toluene-d8 101 % 71.3-129  
 Surrogate: 4-Bromofluorobenzene 98.9 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/26/2014	ND	400	100	400	0.00		

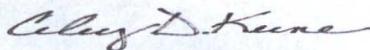
TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228		
DRO >C10-C28	43.0	10.0	02/26/2014	ND	203	101	200	0.0533		

Surrogate: 1-Chlorooctane 99.7 % 65.2-140  
 Surrogate: 1-Chlorooctadecane 100 % 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:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 4 6" (H400564-12)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane 94.4 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 98.5 % 65.7-141

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	02/26/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228	
DRO >C10-C28	29.6	10.0	02/26/2014	ND	203	101	200	0.0533	

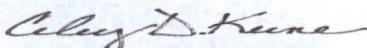
Surrogate: 1-Chlorooctane 92.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.5 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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

Received:	02/25/2014	Sampling Date:	02/20/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 4 1' (H400564-13)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16		
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 95.0 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 99.6 % 65.7-141

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	02/26/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228		
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533		

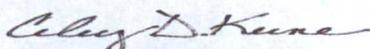
Surrogate: 1-Chlorooctane 93.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.2 % 63.6-154

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	02/25/2014	Sampling Date:	02/20/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 4 1.5' (H400564-14)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16		
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 95.5 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 99.6 % 65.7-141

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	02/26/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228		
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533		

Surrogate: 1-Chlorooctane 90.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.2 % 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:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 5 6" (H400564-15)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane 96.1 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 99.9 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	02/26/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533	

Surrogate: 1-Chlorooctane 96.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.7 % 63.6-154

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

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 5 6' (H400564-16)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane 97.0 % 61.3-142  
 Surrogate: Toluene-d8 103 % 71.3-129  
 Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	02/26/2014	ND	400	100	400	0.00	

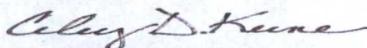
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533	

Surrogate: 1-Chlorooctane 97.6 % 65.2-140  
 Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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 KYLE NORMAN  
 419 W. CAIN  
 HOBBS NM, 88240  
 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 5 9' (H400564-17)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane	97.7 %	61.3-142
Surrogate: Toluene-d8	102 %	71.3-129
Surrogate: 4-Bromofluorobenzene	98.8 %	65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>336</b>	16.0	02/26/2014	ND	400	100	400	0.00	

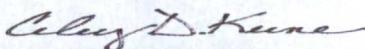
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228	
DRO >C10-C28	<b>12.0</b>	10.0	02/26/2014	ND	203	101	200	0.0533	

Surrogate: 1-Chlorooctane	88.0 %	65.2-140
Surrogate: 1-Chlorooctadecane	90.2 %	63.6-154

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 KYLE NORMAN  
 419 W. CAIN  
 HOBBS NM, 88240  
 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: PT. 5 10' (H400564-18)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16		
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 95.4 % 61.3-142  
 Surrogate: Toluene-d8 102 % 71.3-129  
 Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	02/26/2014	ND	400	100	400	0.00		

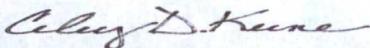
TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228		
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533		

Surrogate: 1-Chlorooctane 93.0 % 65.2-140  
 Surrogate: 1-Chlorooctadecane 94.2 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

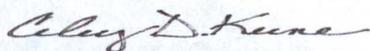
- S-06            The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- ND             Analyte NOT DETECTED at or above the reporting limit
- RPD            Relative Percent Difference
- \*\*             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



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

AS 2 of 2

**ARDINAL 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

<b>Company Name:</b> RECS		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>											
<b>Project Manager:</b> Knorman		<b>P.O. #:</b>		<b>Company:</b>		<b>TPH 8015 M</b>		<b>BTEX</b>		<b>Texas TPH</b>		<b>Complete Cations/Anions</b>		<b>TDS</b>	
<b>Address:</b>		<b>State:</b> NM <b>Zip:</b> 88240		<b>Attn:</b>		<b>Chlorides</b>									
<b>City:</b> Hobbs		<b>Fax #:</b>		<b>Address:</b>											
<b>Phone #:</b>		<b>Project Owner:</b>		<b>City:</b>											
<b>Project Name:</b> Conoco Phillips				<b>State:</b>											
<b>Project Location:</b> mca Station 2				<b>Phone #:</b>											
<b>Sampler Name:</b> Chris Flores, Edward Cesario				<b>Fax #:</b>											
<b>FOR LAB USE ONLY</b>															
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>(G)RAB OR (C)OMP.</b>	<b># CONTAINERS</b>	<b>GROUNDWATER</b>	<b>WASTEWATER</b>	<b>SOIL</b>	<b>OIL</b>	<b>SLUDGE</b>	<b>OTHER:</b>	<b>ACID/BASE:</b>	<b>ICE / COOL:</b>	<b>OTHER:</b>	<b>DATE</b>	<b>TIME</b>	
H400564-11	P1.3 @ 2.5'	G	1			✓				✓			2-21-2014	11:45 AM	X
12	P1.4 6"	G	1			✓				✓			2-21-2014	12:50 PM	X
13	P1.4 1'	G	1			✓				✓			2-20-2014	2:40 PM	X
14	P1.4 1.5'	G	1			✓				✓			2-20-2014	2:45 PM	X
15	P1.5 6"	G	1			✓				✓			2-21-2014	12:55 PM	X
16	P1.5 6'	G	1			✓				✓			11:20 AM		X
17	P1.5 9'	G	1			✓				✓			11:45 AM		X
18	P1.5 @ 10'	G	1			✓				✓			11:35 AM		X

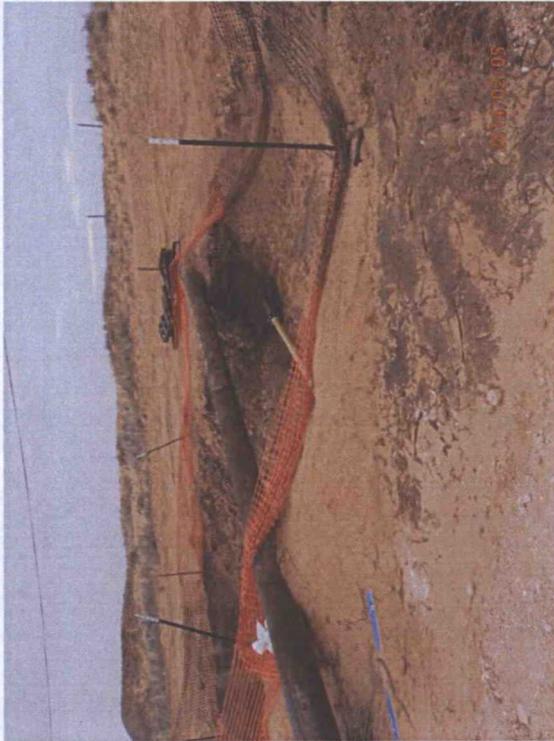
PLEASE NOTE: Liability and Damages. Cardinal's facility and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived 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 data, 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 resources or otherwise.

<b>Relinquished By:</b> Chris Flores	<b>Date:</b> 2-25-2014 <b>Time:</b> 11:55	<b>Received By:</b> Clyde Reed	<b>Phone Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Fax Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Relinquished By:</b>	<b>Date:</b>	<b>Received By:</b>	<b>Add'l Phone #:</b> <b>Add'l Fax #:</b>
<b>Delivered By:</b> (Circle One) Soc	<b>Sample Condition:</b> Cook Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>CHECKED BY:</b> Coh	<b>REMARKS:</b> email results Hlores@ Hlores@ Knorman@ Iweinheimev
<b>Sampler - UPS - Bus - Other:</b>			<b>TPH 8015 M</b> <b>BTEX</b> <b>Texas TPH</b> <b>Complete Cations/Anions</b> <b>TDS</b>

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #54

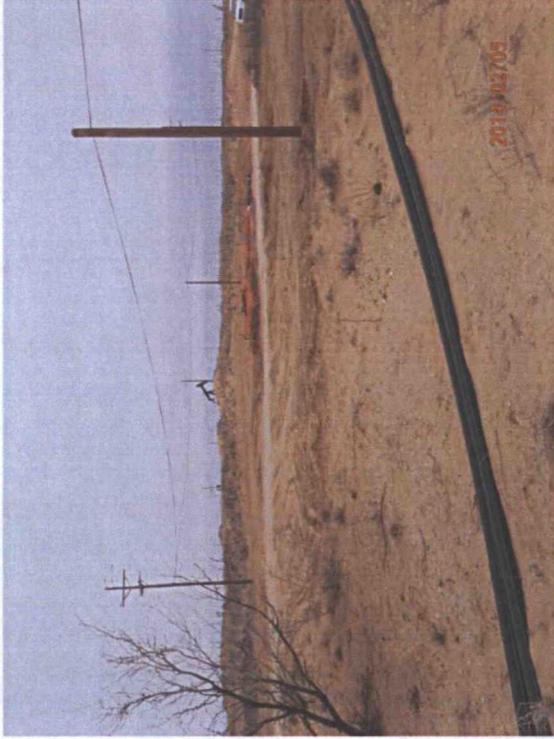
# ConocoPhillips MCA Battery 2

Unit Letter D, Section 28, T17S, R32E



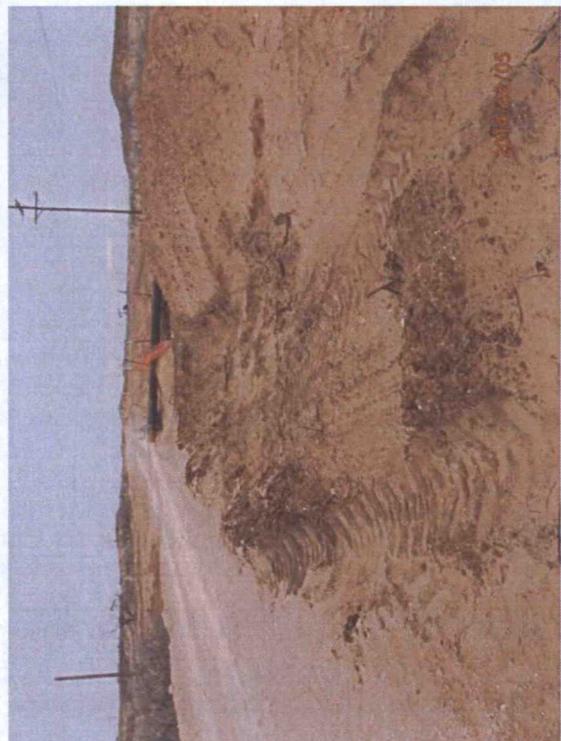
Source of release, facing southwest

2/5/14



Initial release area, facing northwest

2/5/14



Initial release area, facing north

2/5/14



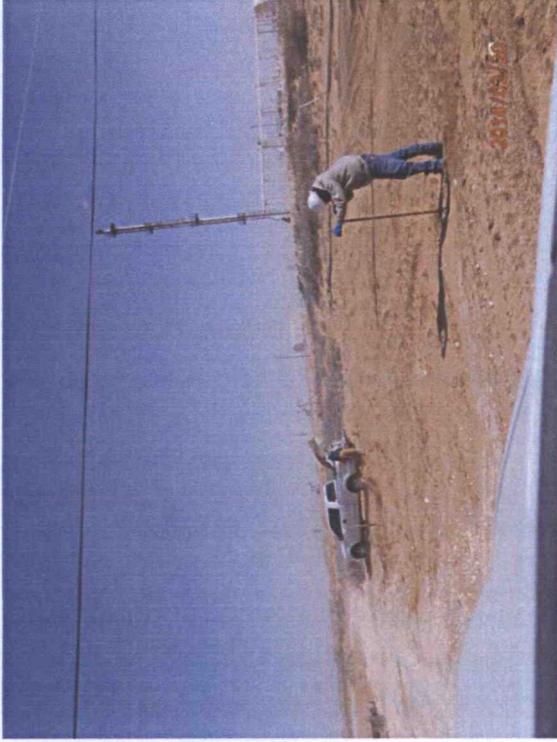
Initial release area, facing northeast

2/5/14



Collecting samples, facing southwest

2/5/14



Hand auguring for depth, facing northeast

2/20/14