

# Excavation Data

## Pt. 1 Bottom @ 1.5 FT

CI-	PID	GRO	DRO	B	T	E	X	BTEX
32	1.2	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3

## Pt. 2 Bottom @ 1 FT

CI-	PID	GRO	DRO	B	T	E	X	BTEX
<16	3	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3

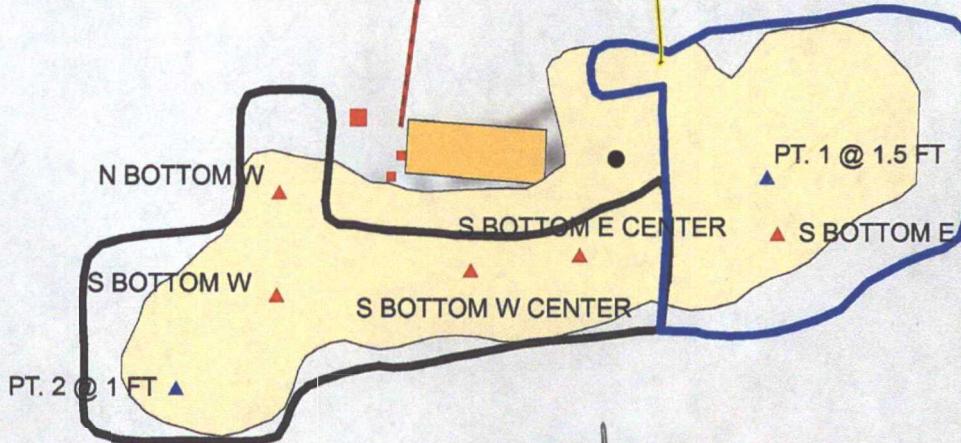
## 5 Pt. Bottom Comp. @ 1 - 1.5 FT

CI-	PID	GRO	DRO	B	T	E	X	BTEX
16	1.4	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3

HOBBS OCD

APR 29 2014

RECEIVED



*approved*  
*Jeffrey Sekins*  
 Environmental Specialist

NMOC-DIST 1  
 5/01/14

### Legend

- ▲ 5 PT. COMP SAMPLE POINTS
- ▲ GRAB SAMPLE POINTS
- CONTROL BOX
- ⚡ DEADMAN
- ⚡ ELECTRIC POLE
- ELECTRICAL BOX
- WELLHEAD
- BURIED ELECTRIC
- PAD/ROAD EDGE
- SURFACE PIPELINE
- ▭ EXCAVATION @ 1.5 FT
- ▭ EXCAVATION @ 1 FT
- PUMPJACK
- STAIN (2,912 sq ft)

Landowner: BLM  
 DGW: 81 FT



## CONOCO PHILLIPS MCA WELL #417

UL M SECTION 27  
 T-17-S R-32-E  
 LEA COUNTY, NM



0 10 20  
 Feet

GPS date: 4/24/14 CF  
 Drawing date: 4/28/14  
 Drafted by: L. Weinheimer

April 25, 2014

JACOB KAMPLAIN  
RICE ENVIRONMENTAL CONSULTING & SAFETY LLC  
419 W. CAIN  
HOBBS, NM 88240

RE: MCA #417

Enclosed are the results of analyses for samples received by the laboratory on 04/24/14 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](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  
 JACOB KAMPLAIN  
 419 W. CAIN  
 HOBBS NM, 88240  
 Fax To: (575) 397-1471

Received:	04/24/2014	Sampling Date:	04/24/2014
Reported:	04/25/2014	Sampling Type:	Soil
Project Name:	MCA #417	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

**Sample ID: PT. 1 BOTTOM @ 1.5' (H401242-01)**

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2014	ND	1.87	93.4	2.00	3.05		
Toluene*	<0.050	0.050	04/25/2014	ND	1.86	92.9	2.00	2.87		
Ethylbenzene*	<0.050	0.050	04/25/2014	ND	1.87	93.4	2.00	2.27		
Total Xylenes*	<0.150	0.150	04/25/2014	ND	5.67	94.4	6.00	1.26		
Total BTEX	<0.300	0.300	04/25/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 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	32.0	16.0	04/25/2014	ND	432	108	400	3.64		

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	04/25/2014	ND	187	93.6	200	2.79		
DRO >C10-C28	<10.0	10.0	04/25/2014	ND	202	101	200	2.79		

Surrogate: 1-Chlorooctane 115 % 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

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Reported:	04/25/2014	Sampling Type:	Soil
Project Name:	MCA #417	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

**Sample ID: PT. 2 BOTTOM @ 1' (H401242-02)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2014	ND	1.87	93.4	2.00	3.05	
Toluene*	<0.050	0.050	04/25/2014	ND	1.86	92.9	2.00	2.87	
Ethylbenzene*	<0.050	0.050	04/25/2014	ND	1.87	93.4	2.00	2.27	
Total Xylenes*	<0.150	0.150	04/25/2014	ND	5.67	94.4	6.00	1.26	
Total BTEX	<0.300	0.300	04/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PII) 102 % 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	<16.0	16.0	04/25/2014	ND	432	108	400	3.64	

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	04/25/2014	ND	187	93.6	200	2.79	
DRO >C10-C28	<10.0	10.0	04/25/2014	ND	202	101	200	2.79	

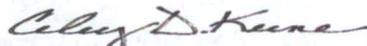
Surrogate: 1-Chlorooctane 118 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

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\*=Accredited Analyte

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Reported:	04/25/2014	Sampling Type:	Soil
Project Name:	MCA #417	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS		

**Sample ID: 5 PT. BOTTOM COMP @ 1'-1.5' (H401242-03)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2014	ND	1.87	93.4	2.00	3.05	
Toluene*	<0.050	0.050	04/25/2014	ND	1.86	92.9	2.00	2.87	
Ethylbenzene*	<0.050	0.050	04/25/2014	ND	1.87	93.4	2.00	2.27	
Total Xylenes*	<0.150	0.150	04/25/2014	ND	5.67	94.4	6.00	1.26	
Total BTEX	<0.300	0.300	04/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PII) 102 % 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
<b>Chloride</b>	<b>16.0</b>	16.0	04/25/2014	ND	432	108	400	3.64	

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	04/25/2014	ND	187	93.6	200	2.79	
DRO >C10-C28	<10.0	10.0	04/25/2014	ND	202	101	200	2.79	

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 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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