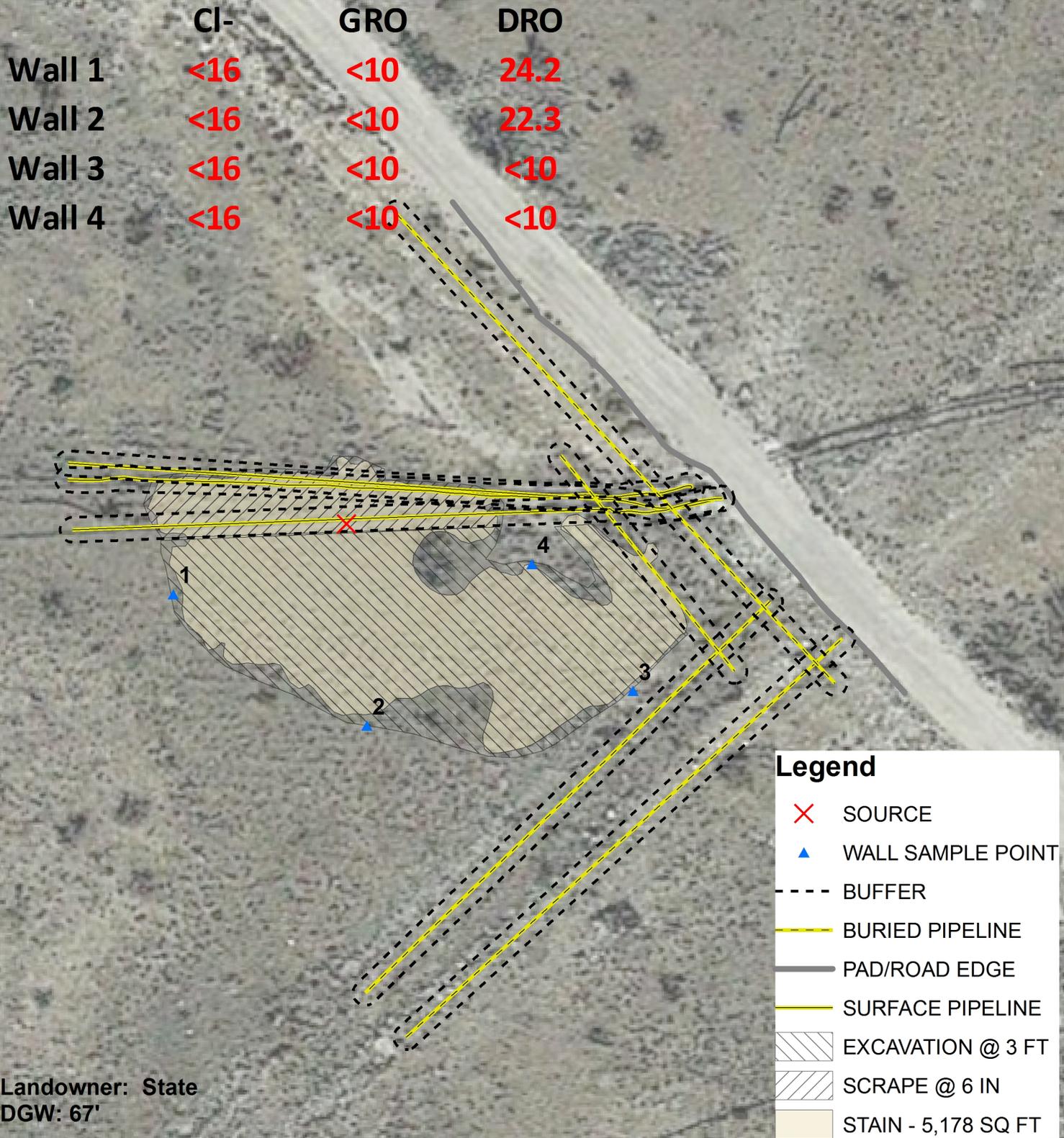


# Excavation



Landowner: State  
DGW: 67'



**CONOCOPHILLIPS**  
**ABO 13-10**  
1RP-3737

UL E SECTION 4  
T-18-S R-35-E  
LEA COUNTY, NM

Underground facilities are spatially projected and need to be field verified.

GPS Source: 32.777516 -103.467643  
0 10 20  
HHH Feet  
GPS date: 7/30/15 CF  
Drawing date: 6/27/16  
Drafted by: T. Grieco



June 27, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: ABO 13-10 (1RP-3737)

Enclosed are the results of analyses for samples received by the laboratory on 06/24/16 10:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Basin Environmental Service  
 KYLE NORMAN  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

Received:	06/24/2016	Sampling Date:	06/21/2016
Reported:	06/27/2016	Sampling Type:	Soil
Project Name:	ABO 13-10 (1RP-3737)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: WALL PT. 1 (H601388-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/24/2016	ND	416	104	400	3.77	
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	06/24/2016	ND	185	92.3	200	1.16	
<b>DRO &gt;C10-C28</b>	<b>24.2</b>	10.0	06/24/2016	ND	181	90.7	200	1.52	
<i>Surrogate: 1-Chlorooctane</i>	<i>78.1 %</i>	<i>35-147</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>80.7 %</i>	<i>28-171</i>							

**Sample ID: WALL PT. 2 (H601388-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/24/2016	ND	416	104	400	3.77	
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	06/24/2016	ND	185	92.3	200	1.16	
<b>DRO &gt;C10-C28</b>	<b>22.3</b>	10.0	06/24/2016	ND	181	90.7	200	1.52	
<i>Surrogate: 1-Chlorooctane</i>	<i>76.6 %</i>	<i>35-147</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>81.6 %</i>	<i>28-171</i>							

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Basin Environmental Service  
 KYLE NORMAN  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

Received:	06/24/2016	Sampling Date:	06/23/2016
Reported:	06/27/2016	Sampling Type:	Soil
Project Name:	ABO 13-10 (1RP-3737)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: WALL PT. 3 (H601388-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/24/2016	ND	416	104	400	3.77	
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	06/24/2016	ND	185	92.3	200	1.16	
DRO >C10-C28	<10.0	10.0	06/24/2016	ND	181	90.7	200	1.52	
<i>Surrogate: 1-Chlorooctane</i>		<i>67.4 %</i>	<i>35-147</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>71.2 %</i>	<i>28-171</i>						

**Sample ID: WALL PT. 4 (H601388-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/24/2016	ND	416	104	400	3.77	
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	06/24/2016	ND	185	92.3	200	1.16	
DRO >C10-C28	<10.0	10.0	06/24/2016	ND	181	90.7	200	1.52	
<i>Surrogate: 1-Chlorooctane</i>		<i>57.4 %</i>	<i>35-147</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>64.9 %</i>	<i>28-171</i>						

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager



**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

RUSH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Conoco Phillips  
 Project Manager: Kyle Norman  
 Address:  
 City: State: Zip:  
 Phone #: Fax #:  
 Project #: Project Owner:  
 Project Name:  
 Project Location: ABO 13-10 IRP 3737  
 Sampler Name: Kyle Norman  
 P.O. #: Company: Basin Environmental  
 Attn: Address: 419 W. Cain  
 City: Hobbs  
 State: NM Zip: 88240  
 Phone #: Fax #:

**BILL TO**

**ANALYSIS REQUEST**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:										
H601388																				
	1 Wall Pt, 1		5									6-21-16	1:00							
	2 Wall Pt, 2		5									6-21-16	1:20							
	3 Wall Pt, 3		5									6-23-16	2:00							
	4 Wall Pt, 4		5									6-23-16	2:30							

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Relinquished By: *[Signature]*  
 Date: 6-21-16  
 Time: 10:45  
 Received By: *[Signature]*  
 Date: *[Signature]*  
 Time: *[Signature]*

Delivered By: (Circle One)  
 Sampler - UPS - Bus - Other: *[Signature]*  
 Sample Condition: Cool Intact  Yes  No  
 CHECKED BY: *[Signature]*

Phone Result:  Yes  No Add'l Phone #:  
 Fax Result:  Yes  No Add'l Fax #:  
 REMARKS:  
 email results: knorman@basinenv.com;  
 jkamlplain@basinenv.com; tgrieco@basinenv.com

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

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