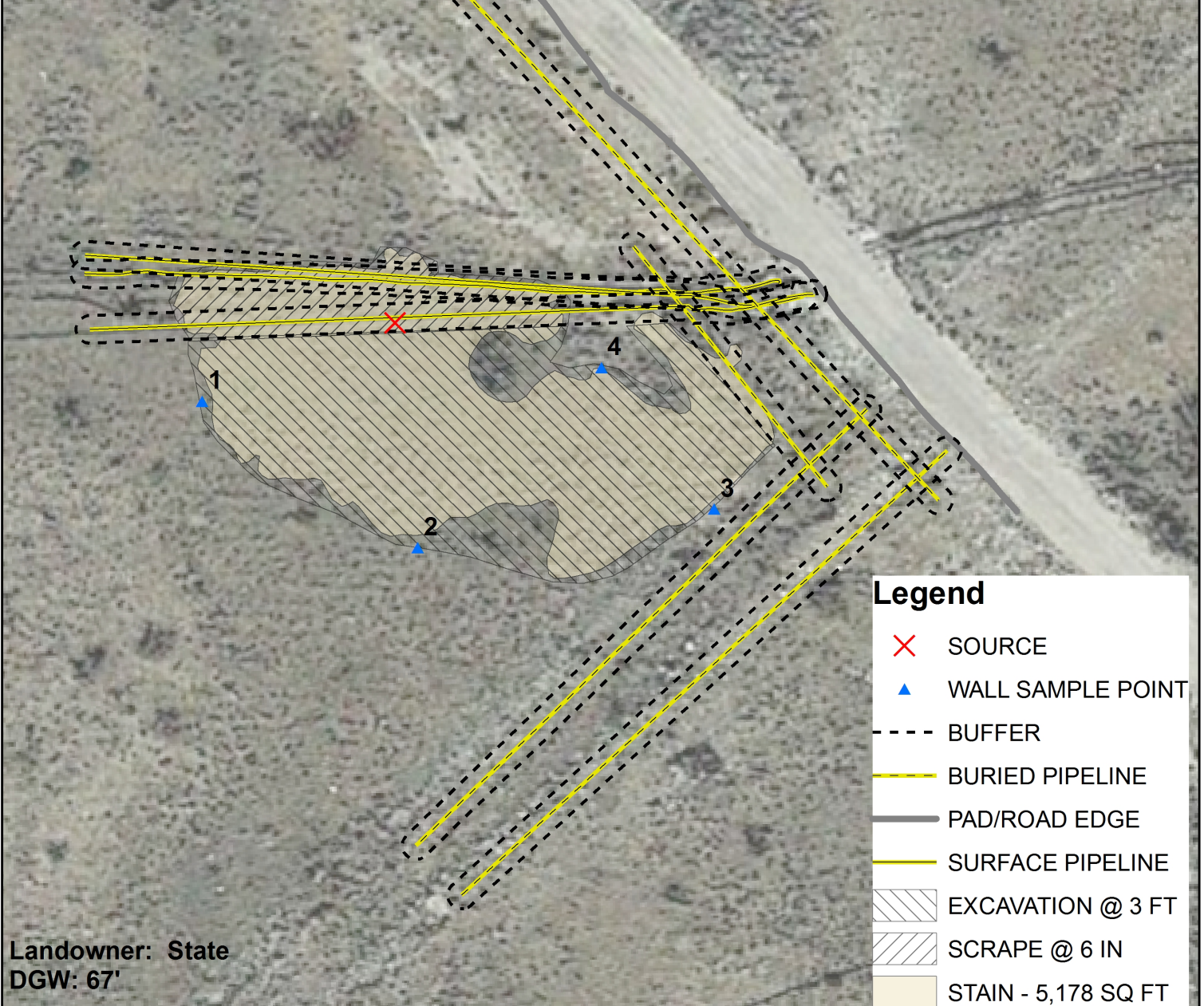


# Excavation

	CI-	GRO	DRO
Wall 1	<16	<10	24.2
Wall 2	<16	<10	22.3
Wall 3	<16	<10	<10
Wall 4	<16	<10	<10



## Legend

- ✕ SOURCE
- ▲ WALL SAMPLE POINT
- BUFFER
- BURIED PIPELINE
- PAD/ROAD EDGE
- SURFACE PIPELINE
- ▨ EXCAVATION @ 3 FT
- ▨ SCRAPE @ 6 IN
- STAIN - 5,178 SQ FT



**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





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

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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,

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	
Surrogate: 1-Chlorooctane		78.1 %	35-147						
Surrogate: 1-Chlorooctadecane		80.7 %	28-171						

**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	
Surrogate: 1-Chlorooctane		76.6 %	35-147						
Surrogate: 1-Chlorooctadecane		81.6 %	28-171						

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	
Surrogate: 1-Chlorooctane	67.4 %	35-147							
Surrogate: 1-Chlorooctadecane	71.2 %	28-171							

**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	
Surrogate: 1-Chlorooctane	57.4 %	35-147							
Surrogate: 1-Chlorooctadecane	64.9 %	28-171							

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

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

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



# ARDINAL LABORATORIES

RUSH

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Conoco Phillips

Project Manager: Kyle Norman

Address:

City: State: Zip:

Phone #: Fax #:

Project #: Project Owner:

Project Name:

Project Location: A80 13-10 IRP 3737

Sampler Name: Kyle Norman

FOR LAB USE ONLY

Lab I.D. Sample I.D.

#1601388

1 Wall Pt. 1  
2 Wall Pt. 2  
3 Wall Pt. 3  
4 Wall Pt. 4

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

Chlorides

TPH 8015 M

BTEX

Texas TPH

Complete Cations/Anions

TDS

ANALYSIS REQUEST

P.O. #:

Company: Basin Environmental

Attn:

Address: 419 W. Cain

City: Hobbs

State: NM Zip: 88240

Phone #:

Fax #:

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients' exclusive remedy for any claim arising from this contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 6-24-16

Received By:

Phone Result: ☐ Yes ☒ No

Fax Result: ☐ Yes ☒ No

Add'l Phone #:

Add'l Fax #:

Relinquished By:

Date: 6-24-16

Received By:

Phone Result: ☐ Yes ☒ No

Fax Result: ☐ Yes ☒ No

Add'l Phone #:

Add'l Fax #:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

CHECKED BY: (Initials)

Cool Intact ☒ Yes ☐ No

Yes ☒ No ☐

email results: knorman@basinenv.com;  
jkamplain@basinenv.com; tgrieco@basinenv.com

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

#75