



3100 Plains Highway Lovington, New Mexico 88260

December 13, 2017

Attn. Mike Bratcher

New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau – District 2
811 South First Street
Artesia, NM 88210

**RE: Termination Request Report
XTO Energy
Corral Canyon Federal #4 H
UL/P Sec.5, UL/A sec. 8 T25S R29E
32.152057, -103.998431
NMOCD Reference # 2RP – 4190**

Mr. Bratcher:

XTO Energy (XTO) has retained Basin Environmental Service Technologies (Basin) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately six and six tenths (6.6) miles southeast of Malaga, New Mexico at Unit Letter P of Section 5 and Unit Letter A of Section 8 in Township 25 South of Range 29 East. This site is located in an area where groundwater is anticipated to be at approximately forty (40) +/- feet below ground surface (bgs) as determined by the closest documented water well drilled nearby. [See DTG (Depth to Groundwater) Map].

On April 12, 2017, XTO discovered a release of approximately thirteen and one half (13.5) barrels (bbl or bbls) with an estimated seven tenths (0.7) of a bbl of crude oil and twelve and nine tenths (12.9) bbls of produced water when a Victaulic header failed on an eight (8) inch line. An estimated forty-five one-hundredths (0.45) bbl of crude oil and one bbl of produced water were recovered. Approximately five thousand seven-hundred and eight (5,708) square feet (ft²) of pasture was impacted. New Mexico Oil Conservation Division (NMOCD) was notified of the release on April 27, 2017 and an initial C-141 was submitted to NMOCD on April 27, 2017 for approval.

Characterization and Remedial Action

Basin personnel were on site beginning April 18, 2017 to begin delineation activities. Delineation continued through April 20, 2017. Seven (7) initial sample points were established. The samples from points SP 1, SP 2, SP 3, SP 4, SP 5, SP 6 and SP 7 in the release area were field tested for chlorides. The sampling intervals at each sample point were at 1 foot, 4 feet and at 15 feet unless auger refusal was encountered. Auger refusal was at 12 feet for sample SP-1 and at 4 feet for SP-4.

Confirmatory samples were submitted to a NMOCD approved and certified laboratory. The laboratory analyzed the samples for chloride, gasoline range organics (GRO), diesel range organics (DRO), benzene, toluene, ethyl-benzene, and xylenes (BETX).

The lab analytical results showed BTEX concentrations were below the method detection limit for the laboratory while GRO and DRO concentrations are well below the recommended remediation action level (RRAL) of 100 mg/kg guideline. Summarized analytical results for samples collected during site characterization are found in an Xcel format spreadsheet in Table 1. All laboratory reports for the characterization of this site are found in Appendix A.

A non-impacted sample was retrieved at an approximate depth of fifteen (15) feet bgs in an adjacent area to the spill site to obtain a background concentration for chlorides on 5/24/2017. The analytical result from the background sample was 816 mg/kg. No further delineation (at depth) was conducted at the spill site, based on the laboratory derived analytical result for the background sample.

In the vicinity of sample site SP-1, numerous pipelines occur. This area was carefully excavated to two (2) feet below ground surface (bgs) to remove contaminated soil. In the vicinity of sample sites SP 2, SP 3 and east of the buried pipeline at sample site SP 4, impacted soils were excavated to a depth of four (4) feet bgs. The area west of the buried pipeline at SP 4, plus the flow path areas surrounding sample sites SP 5 and SP 6 were excavated to a total depth of ten (10) feet. At SP 7, the total depth of excavation was twelve (12) feet bgs. Floor samples were collected 7/13/2017 at all initial sampling points. Wall samples were also collected at locations indicated on the Follow-Up Samples Location Map and revealed that all soils impacted by the spill event have been removed. All impacted soil materials exhibiting chloride concentrations above the RRAL were removed from the site and disposed of at a BLM/NMOCD approved Facility.

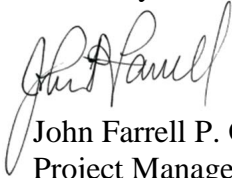
The pipeline area (SP 1) was carefully backfilled with clean caliche from a local source and compacted. The excavation areas at sample points SP 2 through SP 7 were also backfilled with clean caliche from a local source. The caliche was compacted in lifts of six inches to one foot. The fill was graded to form a crown along the center line of the backfill and then contoured to meet the surrounding topography. To mitigate to possibility for erosion of the backfilled materials, silt fencing and hay bales were installed at topographically appropriate locations to slow any surface water that might flow across the area during a precipitation event. No seeding of this area is proposed due to its location in a drainage area. Photo documentation of the release

area, subsequent remedial activities, the erosion abatement structures in the restored area are provided in Appendix C.

XTO via Basin Environmental requests site closure of the Corral Canyon Federal #4 H release site.

Basin appreciates the opportunity to work with you on this project. Please contact me if you have any questions or wish to discuss the site.

Sincerely,



John Farrell P. G.
Project Manager
Basin Environmental Service Technologies
(575) 396-2378

Attachments:

Figure 1 – Site Location Map

Figure 2 - Area Sampling Data

Table 1 – Summary of Laboratory Results

Appendix A – Laboratory Results and documentation

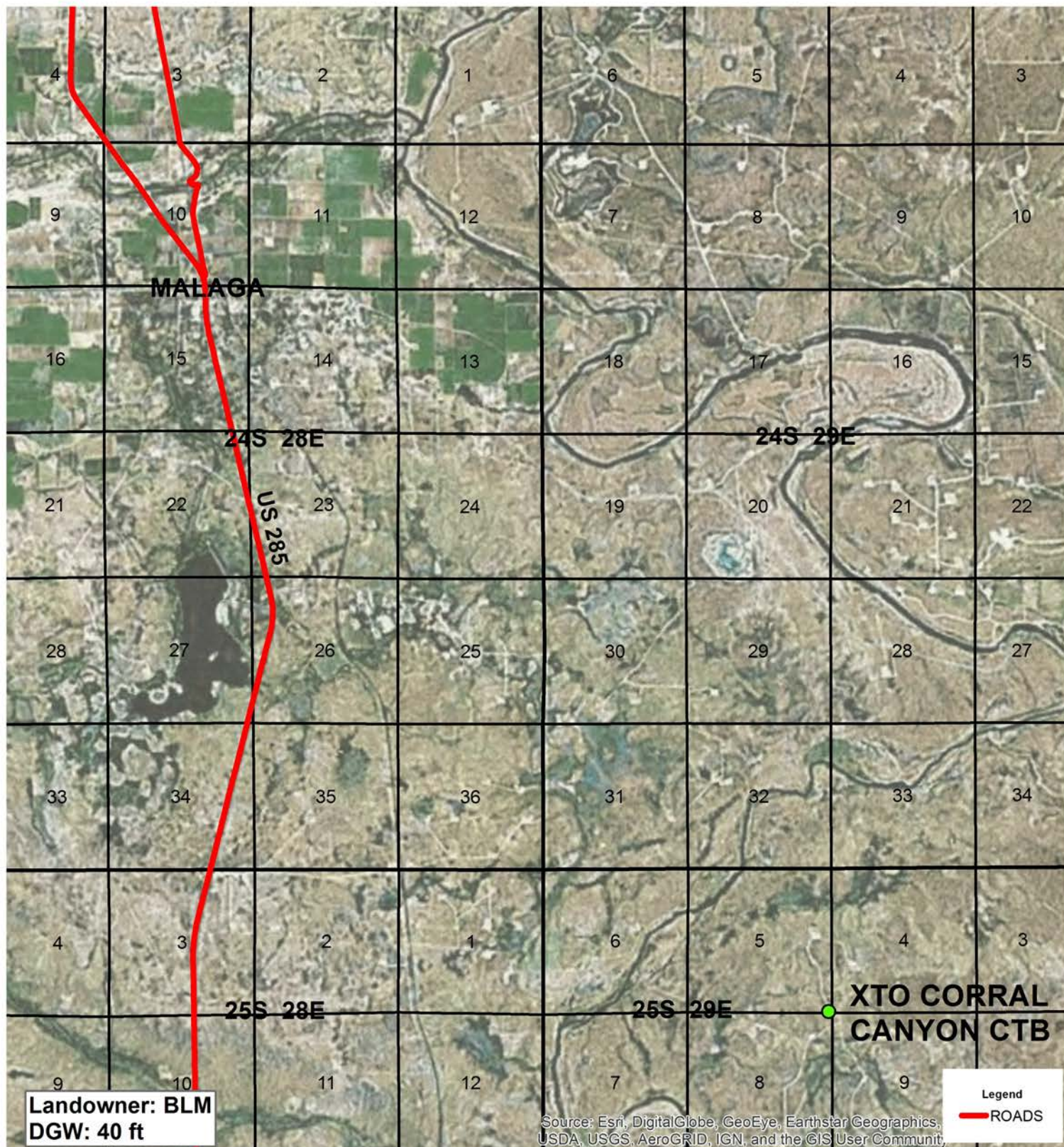
Appendix B – Final C-141

Appendix C – Photo Documentation

CC:	R. Runnels	Basin Environmental	via email
	J. Walters	Basin Environmental	via email
	C. Weaver	New Mexico Oil Conservation Division – District 2	via email
	J. Amos	U. S. Bureau of Land Management	via email
	S. Tucker	U. S. Bureau of Land Management	via email
	A. Ruth	XTO	via email

FIGURES

Site Location



XTO CORRAL CANYON FEDERAL CENTRAL TANK BATTERY

UL P SECTION 5
UL A SECTION 8
T-25-S R-29-E
EDDY COUNTY, NM

GPS: 32.152057 -103.998431

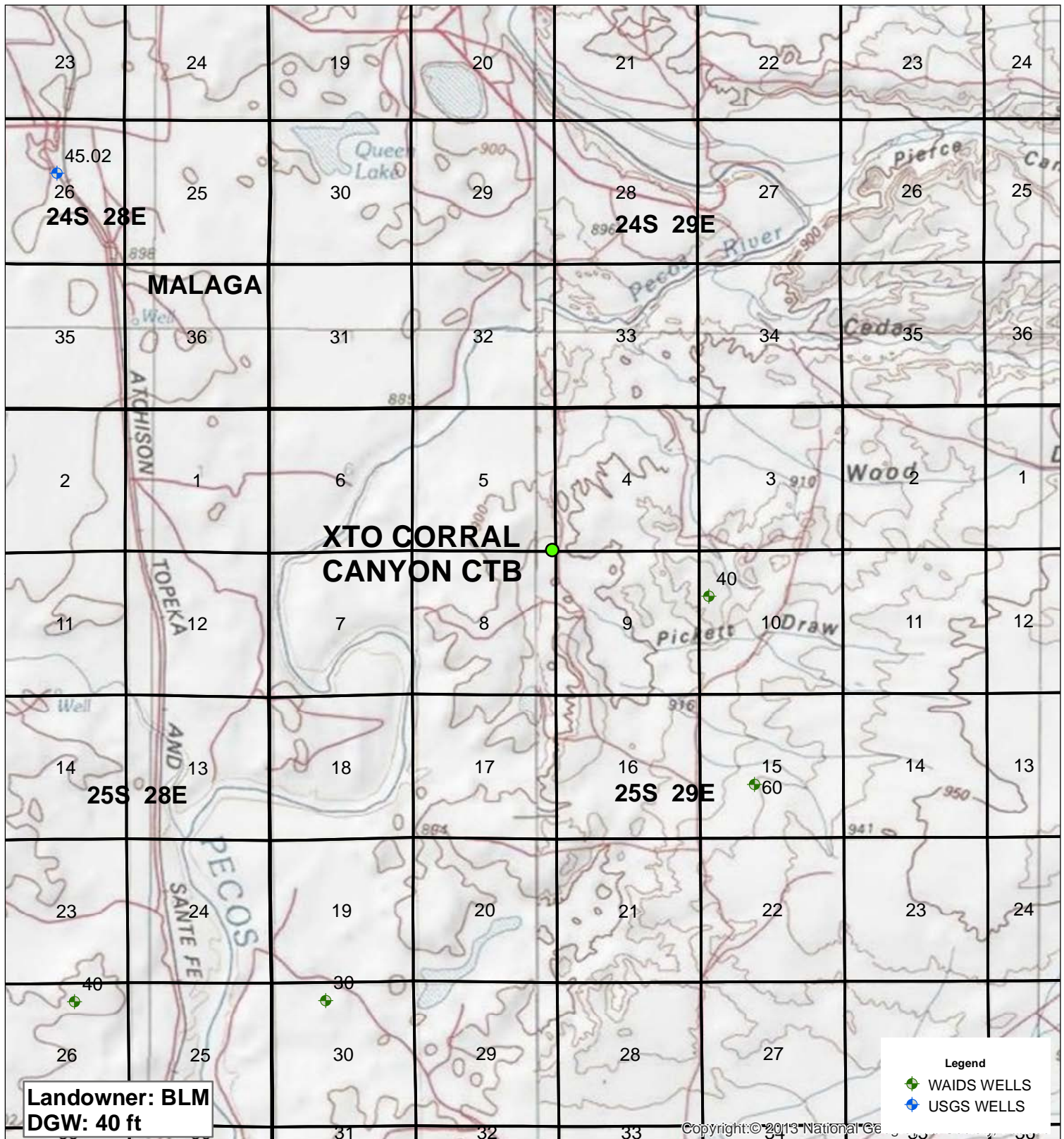
Figure 1

0 0.5 1
Miles

Drawing date: 4/26/17
Drafted by: T. Grieco



Depth to Groundwater



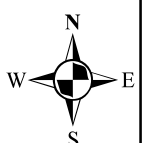
XTO CORRAL CANYON FEDERAL CENTRAL TANK BATTERY

UL P SECTION 5
UL A SECTION 8
T-25-S R-29-E
EDDY COUNTY, NM

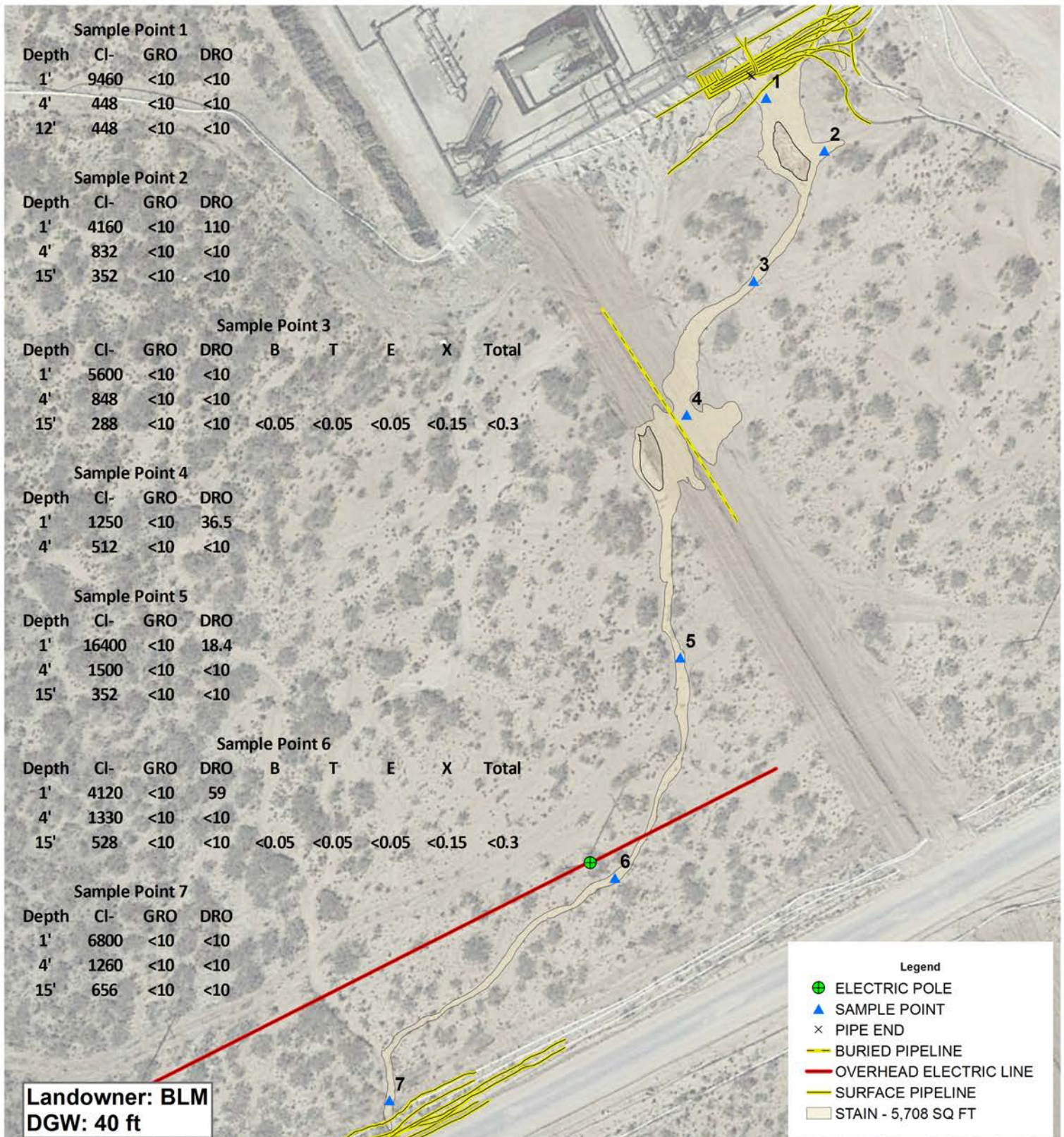
GPS: 32.152057 -103.998431

0 0.5 1
Miles

Drawing date: 11/20/17
Drafted by: T. Grieco



Initial Sampling



XTO
CORRAL CANYON
FEDERAL CENTRAL
TANK BATTERY
UL P SECTION 5
UL A SECTION 8
T-25-S R-29-E
EDDY COUNTY, NM

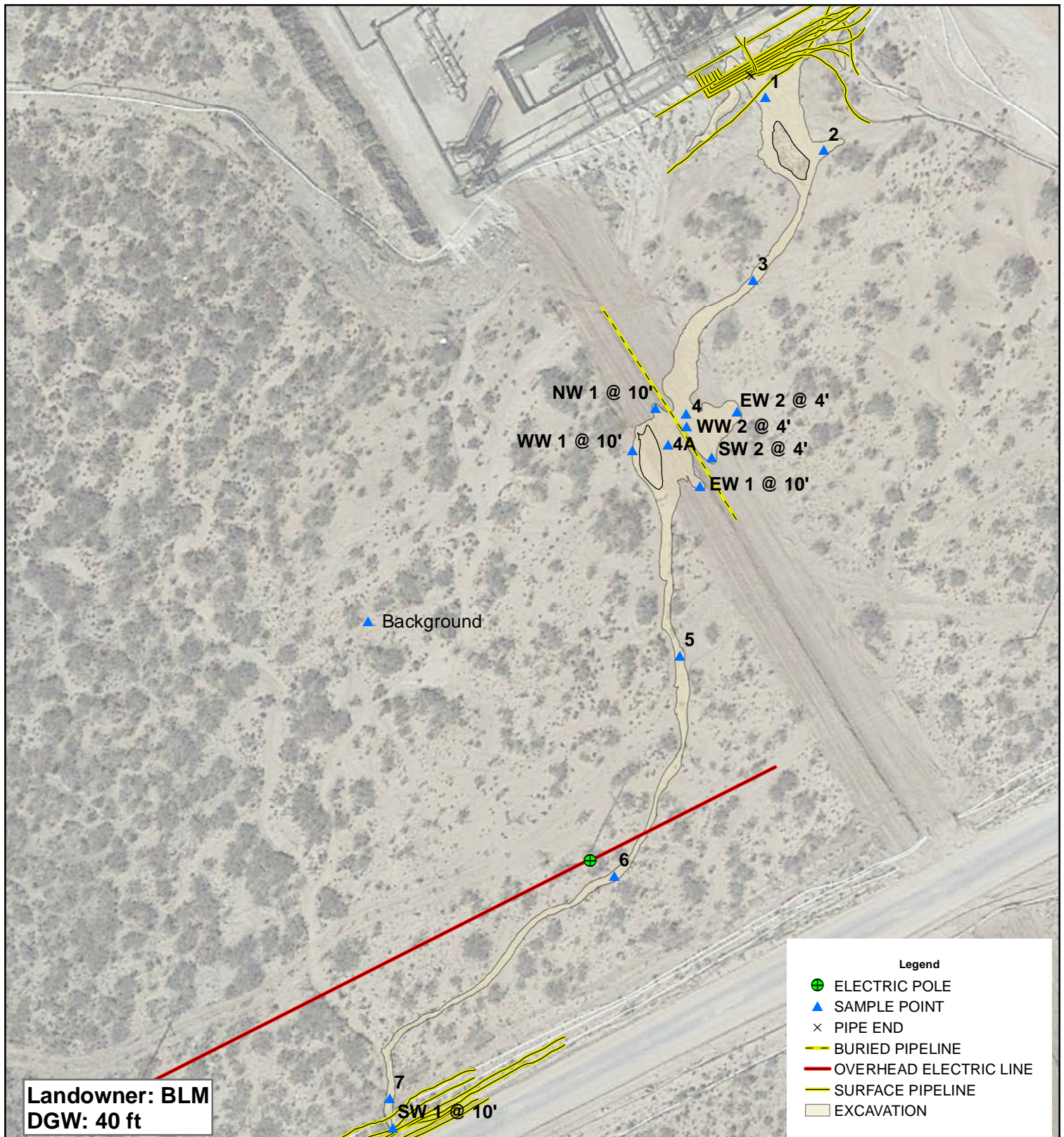
Underground facilities are spatially projected and need to be field verified.

GPS: 32.152057 -103.998431

0 50 100 Feet

GPS date: 4/18/17 TG
Drawing date: 4/19/17
Drafted by: T. Grieco

Initial Sampling



XTO CORRAL CANYON FEDERAL CENTRAL TANK BATTERY

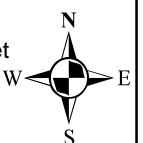
UL P SECTION 5
UL A SECTION 8
T-25-S R-29-E
EDDY COUNTY, NM

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

GPS: 32.152057 -103.998431

0 50 100
Feet

GPS date: 4/18/17 TG
Drawing date: 11/20/17
Drafted by: T. Grieco



TABLE

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

XTO

Corral Canyon Federal #4 H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: 2RP - 4190

SAMPLE	SAMPL	DATE	SOIL	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M		TOTA	4500 Cl-B
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁ -C ₂₈ (mg/Kg)		
SP-1 @ 1 ft	1.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	9,460
SP-1 @ 4 ft	4.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	448
SP-1 @ 12 ft	12.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	448
SP-2 @ 1 ft	1.0 ft	4/18/2017	In-Situ						< 10	110	110	4,160
SP-2 @ 4 ft	4.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	832
SP-2 @ 15 ft	15.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	352
SP-3 @ 1 ft	1.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	5,600
SP-3 @ 4 ft	4.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	848
SP-3 @ 15 ft	15.0 ft	4/18/2017	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	< 10	< 10	< 10	288
SP-4 @ 1 ft	1.0 ft	4/18/2017	In-Situ						< 10	36.5	36.5	1250
SP-4 @ 4 ft	4.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	512
SP-5 @ 1 ft	1.0 ft	4/18/2017	In-Situ						< 10	18.4	18.4	16,400
SP-5 @ 4 ft	4.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	1,500
SP-5 @ 15 ft	15.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	352
SP-6 @ 1 ft	1.0 ft	4/18/2017	In-Situ						< 10	59.0	59	4,120
SP-6 @ 4 ft	4.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	1,330
SP-6 @ 15 ft	15.0 ft	4/18/2017	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	< 10	< 10	< 10	528
SP-7 @ 1 ft	1.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	6,800
SP-7 @ 4 ft	4.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	1,260
SP-7 @ 15 ft	15.0 ft	4/18/2017	In-Situ						< 10	< 10	< 10	656
Background @ 15 feet bgs	15.0 ft	5/24/2017	In-Situ									816
WW-1 @ 4 ft	4.0 ft	5/25/2017	In-Situ									1,000
SP-1 @ 4 ft	4.0 ft	7/13/2017	In-Situ									784
SP-2 @ 4 ft	4.0 ft	7/13/2017	In-Situ									1,040
SP-3 @ 4 ft	4.0 ft	7/13/2017	In-Situ									480
SP-4 @ 4 ft	4.0 ft	7/13/2017	In-Situ									736

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

XTO

Corral Canyon Federal #4 H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: 2RP - 4190

SAMPLE	SAMPL	DATE	SOIL	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M		TOTAL	4500 Cl-B
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁ -C ₂₈ (mg/Kg)		
SP-4A @ 10 ft	10.0 ft	7/13/2017	In-Situ									1,170
SP-5 @ 10 ft	10.0 ft	7/13/2017	In-Situ									80
SP-6 @ 10 ft	10.0 ft	7/13/2017	In-Situ									96
SP-7 @ 10 ft	10.0 ft	7/13/2017	In-Situ									12,500
EW1 @ 10 ft	10.0 ft	7/13/2017	In-Situ									944
EW2 @ 4 ft	4.0 ft	7/13/2017	In-Situ									528
SW1 @ 10 ft	10.0 ft	7/13/2017	In-Situ									1,120
SW2 @ 4ft	4.0 ft	7/13/2017	In-Situ									624
WW1 @ 10 ft	10.0 ft	7/13/2017	In-Situ									912
WW2 @ 4ft	4.0 ft	7/13/2017	In-Situ									768
NW1 @ 10 ft	10.0 ft	7/13/2017	In-Situ									1,040
Floor 7 @ 12 Ft	12.0 ft	7/26/2017	In-Situ									144
NMOCD Regulatory Standard				10				50			5,000	600

APPENDICES

APPENDIX A

April 26, 2017

ROBBIE RUNNELS

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: XTO CORRAL CANYON

Enclosed are the results of analyses for samples received by the laboratory on 04/21/17 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 04/21/2017
Reported: 04/26/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL CTB
Project Location: EDDY

Sampling Date: 04/18/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP1 @ 1' (H701075-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9460	16.0	04/24/2017	ND	448	112	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34	

Surrogate: 1-Chlorooctane 80.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 82.4 % 34.7-157

Sample ID: SP1 @ 4' (H701075-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	04/24/2017	ND	448	112	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34	

Surrogate: 1-Chlorooctane 83.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 88.4 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 04/21/2017
Reported: 04/26/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL CTB
Project Location: EDDY

Sampling Date: 04/19/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP1 @ 12' (H701075-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	04/24/2017	ND	448	112	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34	

Surrogate: 1-Chlorooctane 81.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.1 % 34.7-157

Sample ID: SP2 @ 1' (H701075-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	04/24/2017	ND	448	112	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	04/22/2017	ND	185	92.4	200	3.56		
DRO >C10-C28	110	10.0	04/22/2017	ND	190	95.0	200	4.34		

Surrogate: 1-Chlorooctane 85.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 90.1 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

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ROBBIE RUNNELS
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 04/21/2017
Reported: 04/26/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL CTB
Project Location: EDDY

Sampling Date: 04/18/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP2 @ 4' (H701075-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	04/24/2017	ND	448	112	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34	
Surrogate: 1-Chlorooctane	84.0 %	28.3-164							
Surrogate: 1-Chlorooctadecane	89.8 %	34.7-157							

Sample ID: SP2 @ 15' (H701075-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	04/24/2017	ND	448	112	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34	
Surrogate: 1-Chlorooctane	81.7 %	28.3-164							
Surrogate: 1-Chlorooctadecane	85.7 %	34.7-157							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 04/21/2017
Reported: 04/26/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL CTB
Project Location: EDDY

Sampling Date: 04/18/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP3 @ 1' (H701075-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	04/24/2017	ND	448	112	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34	
Surrogate: 1-Chlorooctane	81.2 %	28.3-164							
Surrogate: 1-Chlorooctadecane	86.2 %	34.7-157							

Sample ID: SP3 @ 4' (H701075-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	04/24/2017	ND	448	112	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34	
Surrogate: 1-Chlorooctane	77.9 %	28.3-164							
Surrogate: 1-Chlorooctadecane	80.7 %	34.7-157							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 04/21/2017
Reported: 04/26/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL CTB
Project Location: EDDY

Sampling Date: 04/19/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP3 @ 15' (H701075-09)

BTX 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	04/26/2017	ND	1.95	97.7	2.00	0.124	
Toluene*	<0.050	0.050	04/26/2017	ND	2.00	100	2.00	0.354	
Ethylbenzene*	<0.050	0.050	04/26/2017	ND	2.02	101	2.00	0.136	
Total Xylenes*	<0.150	0.150	04/26/2017	ND	6.06	101	6.00	0.346	
Total BTX	<0.300	0.300	04/26/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/24/2017	ND	448	112	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34	

Surrogate: 1-Chlorooctane 86.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 90.1 % 34.7-157

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

Received: 04/21/2017
Reported: 04/26/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL CTB
Project Location: EDDY

Sampling Date: 04/19/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP4 @ 1' (H701075-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	04/24/2017	ND	448	112	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	36.5	10.0	04/22/2017	ND	190	95.0	200	4.34	

Surrogate: 1-Chlorooctane 73.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 75.8 % 34.7-157

Sample ID: SP4 @ 4' (H701075-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	04/24/2017	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34	

Surrogate: 1-Chlorooctane 74.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 75.3 % 34.7-157

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ROBBIE RUNNELS
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 04/21/2017
Reported: 04/26/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL CTB
Project Location: EDDY

Sampling Date: 04/20/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP5 @ 1' (H701075-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16400	16.0	04/24/2017	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	18.4	10.0	04/22/2017	ND	190	95.0	200	4.34	

Surrogate: 1-Chlorooctane 78.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 80.9 % 34.7-157

Sample ID: SP5 @ 4' (H701075-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	04/24/2017	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	04/24/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/24/2017	ND	190	95.0	200	4.34	

Surrogate: 1-Chlorooctane 83.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 79.3 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 04/21/2017
 Reported: 04/26/2017
 Project Name: XTO CORRAL CANYON
 Project Number: FEDERAL CTB
 Project Location: EDDY

 Sampling Date: 04/20/2017
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP5 @ 15' (H701075-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	04/24/2017	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	04/22/2017	ND	185	92.4	200	3.56		
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34		

Surrogate: 1-Chlorooctane 94.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 101 % 34.7-157

Sample ID: SP6 @ 1' (H701075-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4120	16.0	04/24/2017	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	59.0	10.0	04/22/2017	ND	190	95.0	200	4.34	

Surrogate: 1-Chlorooctane 91.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 96.2 % 34.7-157

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Analytical Results For:

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

Received: 04/21/2017
Reported: 04/26/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL CTB
Project Location: EDDY

Sampling Date: 04/20/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP6 @ 4' (H701075-16)

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1330	16.0	04/24/2017	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	04/22/2017	ND	185	92.4	200	3.56		
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34		
<hr/>										
Surrogate: 1-Chlorooctane	87.6 %	28.3-164								
Surrogate: 1-Chlorooctadecane	89.0 %	34.7-157								

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ROBBIE RUNNELS
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 04/21/2017
Reported: 04/26/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL CTB
Project Location: EDDY

Sampling Date: 04/20/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP6 @ 15' (H701075-17)

BTX 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	04/26/2017	ND	1.95	97.7	2.00	0.124	
Toluene*	<0.050	0.050	04/26/2017	ND	2.00	100	2.00	0.354	
Ethylbenzene*	<0.050	0.050	04/26/2017	ND	2.02	101	2.00	0.136	
Total Xylenes*	<0.150	0.150	04/26/2017	ND	6.06	101	6.00	0.346	
Total BTX	<0.300	0.300	04/26/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	04/24/2017	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34	

Surrogate: 1-Chlorooctane 93.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 92.3 % 34.7-157

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Fax To: (575) 396-1429

Received: 04/21/2017
Reported: 04/26/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL CTB
Project Location: EDDY

Sampling Date: 04/20/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP7 @ 1' (H701075-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	04/24/2017	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34	

Surrogate: 1-Chlorooctane 87.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 89.7 % 34.7-157

Sample ID: SP7 @ 4' (H701075-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	04/24/2017	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34	

Surrogate: 1-Chlorooctane 89.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 87.3 % 34.7-157

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

Received: 04/21/2017
Reported: 04/26/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL CTB
Project Location: EDDY

Sampling Date: 04/20/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP7 @ 15' (H701075-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	04/24/2017	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	04/22/2017	ND	185	92.4	200	3.56	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	190	95.0	200	4.34	
Surrogate: 1-Chlorooctane	91.0 %	28.3-164							
Surrogate: 1-Chlorooctadecane	95.7 %	34.7-157							

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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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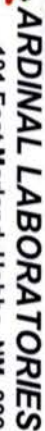
Celey D. Keene, Lab Director/Quality Manager

ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Basin Environmental Service Technologies, LLC		BILL TO		ANALYSIS REQUEST											
Project Manager: Robbie Runnels		P.O. #:													
Address: P.O. Box 301		Company: XTO													
City: Lovington		Attn: Amy Ruth													
Phone #: (575)396-2378		Address:													
Project #:		City:													
Project Name: XTO Corral Canyon Federal CTB		State: NM		Zip:											
Project Location: Eddy		Phone #:													
Sampler Name: Robbie Runnels		Fax #:													
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING									
Lab I.D.		(G)RAB OR (C)OMP.		ACID/BASE:		DATE		TIME							
Sample I.D.		# CONTAINERS		ICE / COOL		OTHER :									
		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :			
		SP1 @ 1'		SP1 @ 4'		SP1 @ 12'		SP2 @ 1'		SP2 @ 4'		SP2 @ 15'		SP3 @ 1'	
		SP3 @ 4'		SP3 @ 15'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
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		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
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		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
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		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'	
		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @ 1'		SP4 @					



101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

May 31, 2017

ROBBIE RUNNELS

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: XTO CORRAL CANYON

Enclosed are the results of analyses for samples received by the laboratory on 05/26/17 15:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/26/2017
Reported: 05/31/2017
Project Name: XTO CORRAL CANYON
Project Number: #4H
Project Location: EDDY

Sampling Date: 05/24/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BACKGROUND @ 15' (H701409-01)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	05/30/2017	ND	416	104	400	3.77	

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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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Basin Environmental Service Technologies, LLC

Project Manager: Robbie Runnels

Address: P.O. Box 301

City: Lovington

Phone #: (575)396-2378

Project #:

Project Name: Corral Canyon #4 H

Project Location: Eddy

Sampler Name: Matt Taylor

P.O. #:

Company: XTO Energy

Attn: Amy Ruth

Address:

City:

State: NM Zip:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D. Sample I.D.

(G)RAB OR (C)OMP.
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER :
ACID/BASE:
ICE / COOL
OTHER :

MATRIX

PRESERV.

SAMPLING

DATE TIME

g

1

X

X

5/24/17

10:30

X

Received By:

Robbie R

Date: 5/26/2017

Time: 630

Received By:

Jamara

Date: 5-26-17

Time: 8:10

Sample Condition

Cool ☐ Intact ☒

Yes ☐ No ☐

CHECKED BY:

(Initials)

3390 49-#75

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

Please email results to pm@basinenr.com, Amy_Ruth@xtoenergy.com

REMARKS:



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

June 02, 2017

ROBBIE RUNNELS

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: XTO CORRAL CANYON

Enclosed are the results of analyses for samples received by the laboratory on 05/30/17 15:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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.

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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". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 05/30/2017
Reported: 06/02/2017
Project Name: XTO CORRAL CANYON
Project Number: #4H
Project Location: EDDY

Sampling Date: 05/25/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: WW1 @4' (H701428-01)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1000	16.0	06/01/2017	ND	416	104	400	0.00	

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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



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

BILL TO

ANALYSIS REQUEST

MATRIX

PRESERV

SAMPLING

[illegible][illegible]

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Relinquished By:	Date:	Received By:
	5/30/2017	
Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Add'l Fax #:	<input type="checkbox"/> Add'l Phone #:	<input type="checkbox"/> Add'l Phone #:

<p>Time: 000</p>	<p>REMARKS:</p>
-------------------------	------------------------

Relinquished By:	Date: 5/30/17	Received By: N
		3

Time: 3:35
Please email results to pm@basinenr.com, Amy_Ruth@xtoenrgy.com

Delivered By: (Circle One) 472

Checked By: _____

Sample Condition _____

Cool _____

Intact _____

(initials)

Sampler	UPS	Bus	Other:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	()	()	21.07	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> No



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

August 03, 2017

ROBBIE RUNNELS

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: XTO CORRAL CANYON

Enclosed are the results of analyses for samples received by the laboratory on 07/27/17 13:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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.

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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". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/27/2017
Reported: 08/03/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL 4H
Project Location: EDDY

Sampling Date: 07/26/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: FLOOR 7 @ 12' (H701968-01)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/28/2017	ND	464	116	400	3.51	

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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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Basin Environmental Service Technologies, LLC

Project Manager: Robbie Runnels

Address: P.O. Box 301

City: Lovington

Phone #: (575)396-2378

Project #:

Project Name: Corral Canyon Federal 4 H

Project Location: Eddy

Sampler Name: Karanja Lewis

P.O. #:

Company: XTO Energy

Attn: Amy Ruth

Address:

City:

State: NM Zip: 88260

Phone #:

Fax #:

BILL TO

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D. Sample I.D.

#101968

Floor 7 @ 12'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

Chloride

TPH (8015M)

BTEX (8021B)

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Relinquished By:

Date: 7-26-17

Received By:

Relinquished By:

Date: 7-26-17

Received By:

Time: 1:55

Delivered By: (Circle One) 36.3

Sampler - UPS - Bus - Other:

Corrected 36.55

Sample Condition
Cool ☐ Intact ☐
Yes ☐ No ☐

CHECKED BY:
(Initials)

79.445

Please email results to pm@basinenr.com, amy_ruth@xtoenergy.com

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

FORM-006
Revision 1.0

+ Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

July 23, 2017

ROBBIE RUNNELS

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: XTO CORRAL CANYON

Enclosed are the results of analyses for samples received by the laboratory on 07/14/17 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/14/2017
Reported: 07/23/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL 4H
Project Location: EDDY

Sampling Date: 07/13/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP1 @ 4' (H701830-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	07/18/2017	ND	432	108	400	0.00	

Sample ID: SP2 @ 4' (H701830-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	07/18/2017	ND	432	108	400	0.00	

Sample ID: SP3 @ 4' (H701830-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/18/2017	ND	432	108	400	0.00	

Sample ID: SP4 @ 4' (H701830-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	07/18/2017	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/14/2017
Reported: 07/23/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL 4H
Project Location: EDDY

Sampling Date: 07/13/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP4A @ 10' (H701830-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	07/18/2017	ND	432	108	400	3.64		

Sample ID: SP5 @ 10' (H701830-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/18/2017	ND	432	108	400	3.64	

Sample ID: SP6 @ 10' (H701830-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/18/2017	ND	432	108	400	3.64	

Sample ID: SP7 @ 10' (H701830-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12500	16.0	07/18/2017	ND	432	108	400	3.64	

Sample ID: EW1 @ 10' (H701830-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	07/18/2017	ND	432	108	400	3.64	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/14/2017
Reported: 07/23/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL 4H
Project Location: EDDY

Sampling Date: 07/13/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: EW2 @ 4' (H701830-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	07/18/2017	ND	432	108	400	3.64	

Sample ID: SW1 @ 10' (H701830-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	07/18/2017	ND	432	108	400	3.64	

Sample ID: SW2 @ 4' (H701830-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	07/18/2017	ND	432	108	400	3.64	

Sample ID: WW1 @ 10' (H701830-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	07/18/2017	ND	432	108	400	3.64	

Sample ID: WW2 @ 4' (H701830-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	07/18/2017	ND	432	108	400	3.64	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/14/2017
Reported: 07/23/2017
Project Name: XTO CORRAL CANYON
Project Number: FEDERAL 4H
Project Location: EDDY

Sampling Date: 07/13/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: NW1 @ 10' (H701830-15)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	07/18/2017	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Basin Environmental Service Technologies, LLC Project Manager: Robbie Runnels Address: P.O. Box 301 City: Lovington Phone #: (575)396-2378 Project #: Project Name: Corral Canyon Federal 4 H Project Location: Eddy Sampler Name: Matt Taylor				State: NM Zip: 88260 Fax #: (575)396-1429 Project Owner: XTO Energy				P.O. #: Company: XTO Energy Attn: Amy Ruth Address: City: State: NM Zip: 88260 Phone #: Fax #:				BILL TO				ANALYSIS REQUEST													
Lab I.D. <div style="border: 1px solid black; padding: 5px; display: inline-block;"> Sample I.D. </div>		FOR LAB USE ONLY		Matrix		Preserv		Sampling																					
				(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE		TIME															
1 SP1 @ 4'		9 1		X		X		X		7/13/17		10:00																	
2 SP2 @ 4'		9 1		X		X		X		7/13/17		10:10																	
3 SP3 @ 4'		9 1		X		X		X		7/13/17		10:20																	
4 SP4 @ 4'		9 1		X		X		X		7/13/17		10:30																	
5 SP4A @ 10'		9 1		X		X		X		7/13/17		10:40																	
6 SP5 @ 10'		9 1		X		X		X		7/13/17		10:50																	
7 SP6 @ 10'		9 1		X		X		X		7/13/17		11:00																	
8 SP7 @ 10'		9 1		X		X		X		7/13/17		11:10																	
9 EW 1 @ 10'		9 1		X		X		X		7/13/17		11:20																	
10 EW 2 @ 4'		9 1		X		X		X		7/13/17		11:30																	

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Relinquished By: <i>[Signature]</i> Date: 7/14/17				Received By: <i>[Signature]</i> Date: 7/14/17			
Relinquished By: <i>[Signature]</i> Date: 7/14/17				Received By: <i>[Signature]</i> Date: 7/14/17			
Delivered By: (Circle One) <i>5:52</i> Time: 15:30				Sample Condition: <i>Intact</i> CHECKED BY: <i>[Signature]</i>			
Sampler - UPS - Bus - Other: <i>Cardinal 6.152</i>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:			
FORM-006				REMARKS:			

Please email results to pm@basinenr.com, amy_ruth@xtoenergy.com



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Basin Environmental Service Technologies, LLC
Project Manager: Robbie Runnels
Address: P.O. Box 301
City: Lovington
Phone #: (575)396-2378
Fax #: (575)396-1429
Project #:
Project Name: Corral Canyon Federal 4 H
Project Location: Eddy
Sampler Name: Matt Taylor

P.O. #:
Company: XTO Energy
Attn: Amy Ruth
Address:
City:
State: NM Zip: 88260
Phone #:
Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING										
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)				
11	SW 1 @ 10'	9	1	X									7/13/17	11:40	X						
12	SW 2 @ 4'	9	1	X									7/13/17	11:50	X						
13	WW 1 @ 10'	9	1	X									7/13/17	12:00	X						
14	WW 2 @ 4'	9	1	X									7/13/17	12:10	X						
15	NW 1 @ 10'	9	1	X									7/13/17	12:20	X						

PLEASE NOTE: Liability and Damages. Cardinal's liability 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 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: *Matt Taylor*

Date: 7/11/17 Time: 0600

Received By: *Matt Taylor*

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

Relinquished By: *Matt Taylor*

Date: 7/11/17 Time: 0600

Received By: *Matt Taylor*

Delivered By: (Circle One) *5.92*

Date: 7/11/17 Time: 1430

Received By: *Samanta & Matt Taylor*

Please email results to pm@basinenr.com, amy_ruth@xtoenergy.com

Sampler - UPS - Bus - Other: *Consented 6.152*

Sample Condition ☒ Cool ☐ Intact ☐ Yes ☐ No

CHECKED BY: (Initials) *82.475*

APPENDIX B

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

Form C-141
Revised April 3, 2017

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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: XTO Energy	Contact: Amy Ruth
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No: 432-661-0571
Facility Name: Coral Canyon Federal Central Tank Battery (API: Coral Canyon Federal #4H)	Facility Type: Exploration and Production

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-42923
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LOCATION OF RELEASE

Unit Letter S	Section 5	Township 25S	Range 29E	Feet from the 47	North/South Line South	Feet from the 156	East/West Line East	County Eddy
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Latitude _32.152504_ Longitude _-103.998535_ NAD83

NATURE OF RELEASE

Type of Release Oil and produced water	Volume of Release 0.69 BO 12.91 BPW	Volume Recovered 0.45 BO 1.05 BPW
Source of Release Header	Date and Hour of Occurrence 4/12/2017 time unknown	Date and Hour of Discovery 4/12/2017 6:00 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

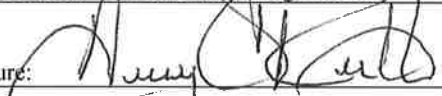
Describe Cause of Problem and Remedial Action Taken.*
Equipment failure at 8" victaulic header. Header was repaired.

Describe Area Affected and Cleanup Action Taken.*

Fluid spilled in a narrow winding path downhill to the southwest approximately 480'. Free standing fluids were recovered. Remediation crew addressed the spill area per a NMOCD and BLM approved work plan. Remediation contractor collected a series of confirmatory samples. The excavated areas were backfilled to grade with clean, compacted caliche from a nearby source. All impacted soils were disposed of at a NMOCD approved facility. Silt fencing and hay bales were deployed as a measure to minimize the potential for erosion at the site.

This is the closure report for 2RP-4190

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: 		OIL CONSERVATION DIVISION	
Printed Name: Amy Ruth		Approved by Environmental Specialist:	
Title: Environmental Coordinator		Approval Date:	Expiration Date:
E-mail Address: Amy_Ruth@xtoenergy.com		Conditions of Approval:	
Date: 12/12/2017 Phone: 432-661-0571		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

APPENDIX C

XTO Energy – Corral Canyon Federal #4 H

Unit Letter P of Section 5 and Unit Letter A of Section 8, T25S, R29E



Release area, facing southeast

4/8/17



Release area, facing southwest

4/18/17



Release area, facing north

4/18/17



Release area, facing northeast

4/18/17

XTO Energy – Corral Canyon Federal #4 H

Unit Letter P of Section 5 and Unit Letter A of Section 8, T25S, R29E



Excavation area, facing southwest

10/04/2017



Backfilling excavation, facing north

10/04/2017



Erosion Prevention Structures

10/20/2017



Erosion Prevention Structures

10/20/2017