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: XTO Energy, Inc.	Contact: Rex Farnsworth
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100
Facility Name: Bolack C LS #16 A	Facility Type: Gas Well (Blanco-Mesaverde)

Surface Owner: Federal	Mineral Owner	API No.: 30-045-26662

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	33	27N	8W	1565	FSL	1025	FEL	San Juan

Latitude 36.3165056 **Longitude** -107.4094278

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: Unknown
Source of Release: BGT	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 2/15/2016
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* The below grade tank was removed at the Bolack C "LS" 16A well site due to the plugging and abandoning of the location. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 8015 (C6-C40), Benzene and BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for Benzene, Total BTEX and the total chlorides, but above the 'pit rule' standards for TPH, confirming that a release has occurred at this location. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 0 due to distance to surface water greater than 1000 feet, distance greater than 1000 feet to water well, and depth to ground water greater than a 100 feet. This set the closure standard to 5,000 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.* The below grade tank closure sample was analyzed for TPH via USEPA Method 8015 (C6-C40), returning results of 120.59 ppm TPH. This is below the 5,000 ppm TPH closure standard determined for this site. No further action is required regarding this incident.

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: Rex Farnsworth	Approved by Environmental Specialist:
Title: EHS Technician	Approval Date: 9/20/2016 Expiration Date:
E-mail Address: rex_farnsworth@xtoenergy.com	Conditions of Approval: NVF1626436628 Attached ☐
Date: 7-12-2016 Phone: 505-333-3100	

* Attach Additional Sheets If Necessary

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ESC LAB SCIENCES
YOUR LAB OF CHOICE

ANALYTICAL REPORT

February 15, 2016

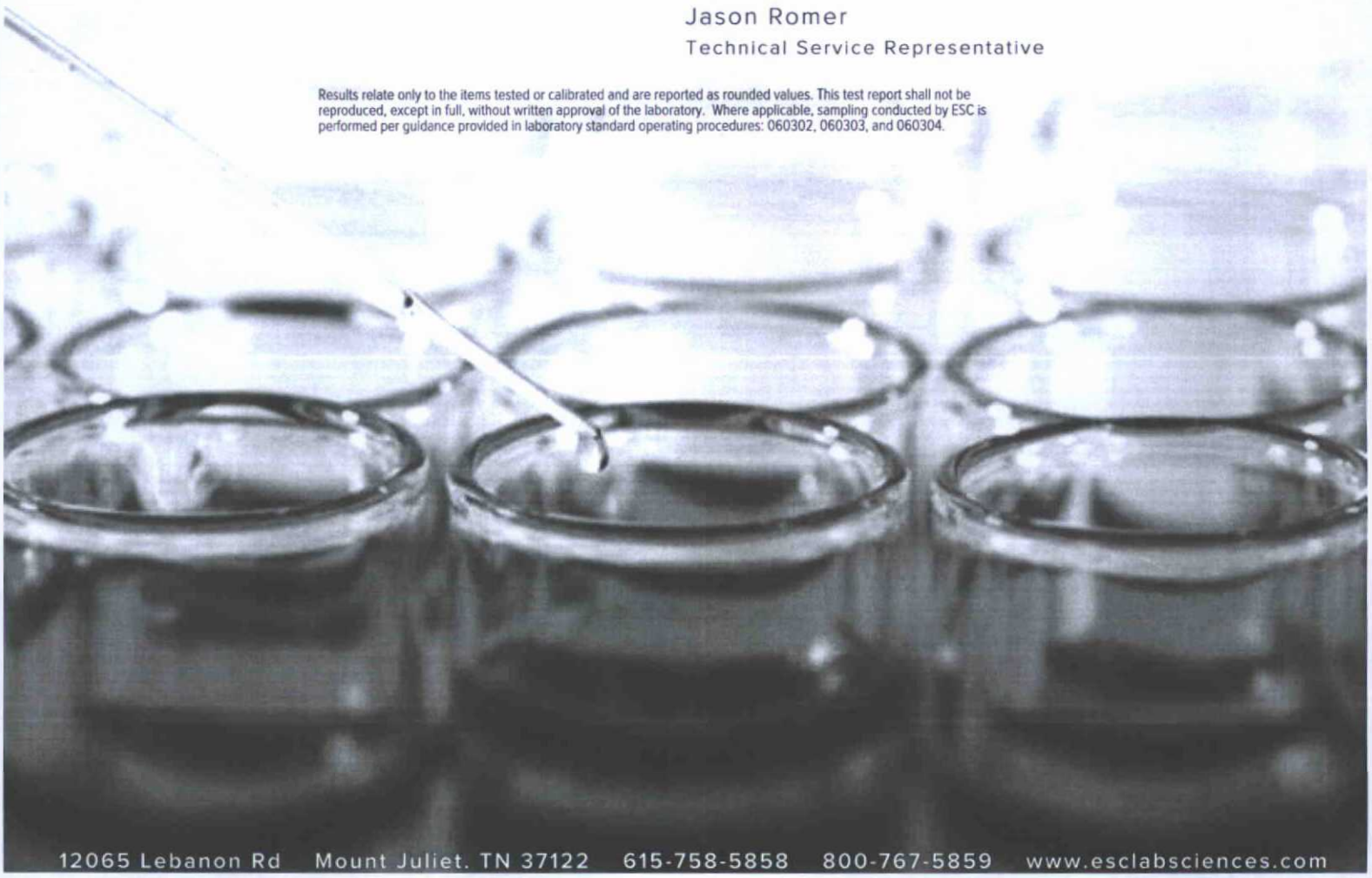
myESC
REAL TIME DATA ACCESS

XTO Energy - San Juan Division

Sample Delivery Group:	L816027
Samples Received:	02/05/2016
Project Number:	30-045-26662
Description:	BGT Closure
Site:	BOLACK CLS #16A
Report To:	Rex Farnsworth
	382 County Road 3100
	Aztec, NM 87410

Entire Report Reviewed By:

Jason Romer
Technical Service Representative



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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

FARRF-020316-325 BGT COMP L816027-01 Solid

Collected by	Collected date/time	Received date/time
Rex Farnsworth	02/03/16 17:25	02/05/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi-Volatile Organic Compounds (GC) by Method 8015	WG847814	1	02/09/16 00:25	02/09/16 15:38	TRF
Total Solids by Method 2540 G-2011	WG847829	1	02/08/16 15:50	02/08/16 15:57	MEL
Volatile Organic Compounds (GC) by Method 8015/8021	WG847688	5	02/10/16 00:00	02/10/16 16:54	BMB
Wet Chemistry by Method 9056A	WG847875	1	02/09/16 14:05	02/09/16 23:25	DJD

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jason Romer
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	%				
Total Solids	81.7		1	02/08/2016 15:57	WG847829

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Chloride	95.4		12.2	1	02/09/2016 23:25	WG847875

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Benzene	ND		0.00306	5	02/10/2016 16:54	WG847688
Toluene	ND		0.0306	5	02/10/2016 16:54	WG847688
Ethylbenzene	ND		0.00306	5	02/10/2016 16:54	WG847688
Total Xylene	0.0616		0.00918	5	02/10/2016 16:54	WG847688
TPH (GC/FID) Low Fraction	8.89		0.612	5	02/10/2016 16:54	WG847688
(S) α,α,α-Trifluorotoluene(FID)	*95.3*		*59.0-128*		*02/10/2016 16:54*	WG847688
(S) α,α,α-Trifluorotoluene(PID)	*101*		*54.0-144*		*02/10/2016 16:54*	WG847688

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
C10-C28 Diesel Range	84.4		4.90	1	02/09/2016 15:38	WG847814
C28-C40 Oil Range	27.3		4.90	1	02/09/2016 15:38	WG847814
(S) o-Terphenyl	*76.4*		*50.0-150*		*02/09/2016 15:38*	WG847814

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) 02/08/16 15:57

Analyte	MB Result %	MB Qualifier	MB RDL %
Total Solids	0.00100		

L816033-01 Original Sample (OS) • Duplicate (DUP)

(OS) 02/08/16 15:57 • (DUP) 02/08/16 15:57

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.0	88.0	1	0.0412		5

Laboratory Control Sample (LCS)

(LCS) 02/08/16 15:57

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) 02/09/16 16:06

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Chloride	ND		10.0

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 02/09/16 16:29 • (LCSD) 02/09/16 16:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	200	198	198	99	99	80-120			0	15

L815742-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 02/10/16 00:57 • (MS) 02/10/16 01:19 • (MSD) 02/10/16 01:42

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	500	8.55	523	522	103	103	1	80-120			0	15

Method Blank (MB)

(MB) 02/10/16 12:45

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Benzene	ND		0.000500
Toluene	ND		0.00500
Ethylbenzene	ND		0.000500
Total Xylene	ND		0.00150
TPH (GC/FID) Low Fraction	ND		0.100
(S) a,a,a-Trifluorotoluene(FID)	*97.7*		*59.0-128*
(S) a,a,a-Trifluorotoluene(PID)	*103*		*54.0-144*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 02/10/16 10:55 • (LCSD) 02/10/16 11:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.0537	0.0484	107	96.8	70.0-130			10.4	20
Toluene	0.0500	0.0534	0.0481	107	96.1	70.0-130			10.6	20
Ethylbenzene	0.0500	0.0538	0.0494	108	98.8	70.0-130			8.53	20
Total Xylene	0.150	0.160	0.148	107	98.4	70.0-130			8.24	20
(S) a,a,a-Trifluorotoluene(FID)				*94.7*	*96.6*	*59.0-128*				
(S) a,a,a-Trifluorotoluene(PID)				*99.7*	*101*	*54.0-144*				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 02/10/16 11:39 • (LCSD) 02/10/16 12:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.92	5.85	108	106	63.5-137			1.13	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*104*	*59.0-128*				
(S) a,a,a-Trifluorotoluene(PID)				*111*	*111*	*54.0-144*				

L816030-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 02/10/16 14:41 • (MS) 02/10/16 15:03 • (MSD) 02/10/16 15:25

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	0.0728	30.8	31.4	112	114	5	28.5-138			1.86	23.6

L816030-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 02/10/16 14:41 • (MS) 02/10/16 15:03 • (MSD) 02/10/16 15:25

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) a,a,a-Trifluorotoluene(FID)					*104*	*105*		*59.0-128*				
(S) a,a,a-Trifluorotoluene(PID)					*111*	*112*		*54.0-144*				

L816030-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 02/10/16 14:41 • (MS) 02/10/16 15:48 • (MSD) 02/10/16 16:10

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.000277	0.251	0.245	100	98.0	5	49.7-127			2.23	23.5
Toluene	0.0500	0.000997	0.247	0.236	98.4	94.2	5	49.8-132			4.34	23.5
Ethylbenzene	0.0500	0.000463	0.244	0.238	97.4	94.9	5	40.8-141			2.53	23.8
Total Xylene	0.150	0.00215	0.733	0.714	97.4	94.9	5	41.2-140			2.67	23.7
(S) a,a,a-Trifluorotoluene(FID)					*96.9*	*96.9*		*59.0-128*				
(S) a,a,a-Trifluorotoluene(PID)					*101*	*102*		*54.0-144*				

Method Blank (MB)

(MB) 02/09/16 10:18

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
C10-C28 Diesel Range	ND		4.00
C28-C40 Oil Range	ND		4.00
(S) o-Terphenyl	*92.0*		*50.0-150*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 02/09/16 10:32 • (LCSD) 02/09/16 10:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	60.0	48.2	51.0	80.4	85.0	50.0-100			5.58	20
(S) o-Terphenyl				*104*	*104*	*50.0-150*				

Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [14]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [14] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**

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XTO ENERGY
Western Division

Quote Number	Page 1 of 1
XTO Contact: REX FARNSWORTH	XTO Contact Phone #: (505) 787-0645
Email Results to: JAMES, KURT, LOGAN, REX	
Well Site/Location: BOLACK LS #16A	API Number: 30-045-26662
Collected By: REX FARNSWORTH	Saturday Delivery (Y / N)
Company: XTO ENERGY	Samples on Ice (Y / N)
Signature	Test Reason: PIA BGT CLOSURE
Gray Areas for Lab Use Only!	Turnaround: X Standard; ___ Next Day; ___ Two Day; ___ Three Day; ___ Same Day; Date Needed ___

Analysis/Container

Lab Information

Office Abbreviations
Farmington = FAR
Durango = DUR
Bakken = BAK
Raton = RAT
Piceance = PC
Roosevelt = RSV
La Barge = LB
Orangeville = OV

E180

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	BTEX (8021)	(8015) DRO, GRO, ORO	CHLORIDES	Sample Number
FARRF-020316-SS1	BGT Comp	S	2/3/16	3:25	ON ICE	1 4oz	X	X	X	L816027-01

Media: Filter = F Soil = S Wastewater = WW Groundwater = GW Drinking Water = DW Sludge = SG Surface Water = SW Air = A Drill Mud = DM Other = OT

Relinquished By: (Signature) REX FARNSWORTH	Date: 2-3-16	Time: 4:00	Received By: (Signature) Fedex	Number of Bottles 1-4oz	Sample Condition OK
Relinquished By: (Signature)	Date:	Time:	6027 6739 3840	Temperature: 3.2	Other Information
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature) Forest Sewell	Date: 2/5/16 Time: 0900	

Comments

JW7

* Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200