

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: Otto Naegele
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3727
Facility Name: Federal A #3	Facility Type: Gas Well

Surface Owner: Federal Land	Mineral Owner	API No. 30-045-09249
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LOCATION OF RELEASE

Unit Letter A	Section 26	Township 30 N	Range 13W	Feet from the 1140	North/South Line N	Feet from the 990	East/West Line E	County San Juan
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Latitude: N36*.78844 Longitude: W-108*.16877

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Pit Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 07/18/2015 3:30PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	OIL CONS. DIV DIST. 3
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	OCT 01 2015

If a Watercourse was Impacted, Describe Fully.*

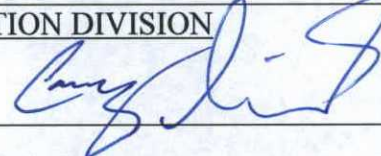
Describe Cause of Problem and Remedial Action Taken.*

The below grade tank was taken out of service at the Federal A#3 well site due to the P&A of this well site. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 8015 (DRO,GRO,ORO), Benzene and BTEX via USEPA Method 8021, and for total chlorides. Corey Smith with NMOCD was on site to witness the sampling and requested a discreet sample of a stained area in the cellar. The discreet sample returned results above the 'Pit Rule' standards for TPH at 770 PPM USEP method 8015, but below the 'Pit Rule' standards for Benzene, Total BTEX and total chlorides, confirming that a release has occurred at this location. The site was then ranked a zero due to a distance to groundwater greater than 100 Ft, a distance to a domestic water well greater than 1,000 Ft, and distance to surface water greater than 1,000 Ft. This sets the closure standards to 5,000 PPM TPH, 50 PPM Total BTEX, and 10 PPM Benzene according to guidelines for leaks, spills and releases.

Describe Area Affected and Cleanup Action Taken.*

Based on TPH sample results of 770 PPM a release has been confirmed for this location. This is below the guidelines for leaks, spills, and releases for this location. No further action is required.

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: Otto Naegele	Approved by Environmental Specialist: 	
Title: EHS Technician	Approval Date: 11/9/15	Expiration Date:
E-mail Address: Otto_Naegele@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 9/29/15	Phone: 505-333-3727	

* Attach Additional Sheets If Necessary

NCS 1531342931



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Est. 1970

Rex Farnsworth
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

Report Summary

Tuesday July 21, 2015

Report Number: L777657

Samples Received: 07/18/15

Client Project: 30-045-09249

Description: Federal A #3

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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REPORT OF ANALYSIS

Rex Farnsworth
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

July 21, 2015

Date Received : July 18, 2015
Description : Federal A #3
Sample ID : FARRF-071715-0845
Collected By : Rex Farnsworth
Collection Date : 07/17/15 08:45

ESC Sample # : L777657-01

Site ID :

Project # : 30-045-09249

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	91.9		%	2540 G-2011	07/19/15	1
Benzene	BDL	0.54	mg/kg	8021	07/20/15	1000
Toluene	BDL	5.4	mg/kg	8021	07/20/15	1000
Ethylbenzene	2.5	0.54	mg/kg	8021	07/20/15	1000
Total Xylene	30.	1.6	mg/kg	8021	07/20/15	1000
TPH (GC/FID) Low Fraction	420	110	mg/kg	8015	07/20/15	1000
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	106.		% Rec.	8015	07/20/15	1
a,a,a-Trifluorotoluene (PID)	97.5		% Rec.	8021	07/20/15	1
Diesel and Oil Ranges						
C10-C28 Diesel Range	350	4.4	mg/kg	8015	07/20/15	1
C28-C40 Oil Range	BDL	4.4	mg/kg	8015	07/20/15	1
Surrogate Recovery						
o-Terphenyl	47.4		% Rec.	8015	07/20/15	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported: 07/21/15 14:55 Printed: 07/21/15 14:55



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REPORT OF ANALYSIS

Rex Farnsworth
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

July 21, 2015

Date Received : July 18, 2015
Description : Federal A #3

Sample ID : FARRF-071715-0900

Collected By : Rex Farnsworth
Collection Date : 07/17/15 09:00

ESC Sample # : L777657-02

Site ID :

Project # : 30-045-09249

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	130	11.	mg/kg	9056MOD	07/19/15	1
Total Solids	92.5		%	2540 G-2011	07/19/15	1
Benzene	BDL	0.0027	mg/kg	8021	07/20/15	5
Toluene	BDL	0.027	mg/kg	8021	07/20/15	5
Ethylbenzene	BDL	0.0027	mg/kg	8021	07/20/15	5
Total Xylene	BDL	0.0081	mg/kg	8021	07/20/15	5
TPH (GC/FID) Low Fraction	BDL	0.54	mg/kg	8015	07/20/15	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	106.		% Rec.	8015	07/20/15	1
a,a,a-Trifluorotoluene(PID)	98.2		% Rec.	8021	07/20/15	1
Diesel and Oil Ranges						
C10-C28 Diesel Range	5.9	4.3	mg/kg	8015	07/20/15	1
C28-C40 Oil Range	BDL	4.3	mg/kg	8015	07/20/15	1
Surrogate Recovery						
o-Terphenyl	64.1		% Rec.	8015	07/20/15	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L777657-01	WG803380	SAMP	o-Terphenyl	R3051250	J2

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.



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Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Total Solids	< .1	%			WG803343	07/19/15 11:25
C10-C28 Diesel Range	< 4	mg/kg			WG803380	07/19/15 08:17
C28-C40 Oil Range	< 4	mg/kg			WG803380	07/19/15 08:17
o-Terphenyl		% Rec.	83.10	50-150	WG803380	07/19/15 08:17
Benzene	< .0005	mg/kg			WG802658	07/19/15 23:22
Ethylbenzene	< .0005	mg/kg			WG802658	07/19/15 23:22
Toluene	< .005	mg/kg			WG802658	07/19/15 23:22
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG802658	07/19/15 23:22
Total Xylene	< .0015	mg/kg			WG802658	07/19/15 23:22
a,a,a-Trifluorotoluene (FID)		% Rec.	107.0	59-128	WG802658	07/19/15 23:22
a,a,a-Trifluorotoluene (PID)		% Rec.	99.00	54-144	WG802658	07/19/15 23:22
Chloride	< 10	mg/kg			WG803250	07/19/15 12:50

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Total Solids	%	80.6	80.0	0.706	5	L777671-01	WG803343
Chloride	mg/kg	120.	119.	0.0	20	L777657-02	WG803250

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Total Solids	%	50	50.0	100.	85-115	WG803343
C10-C28 Diesel Range	mg/kg	60	40.5	67.5	50-100	WG803380
o-Terphenyl				89.00	50-150	WG803380
Benzene	mg/kg	.05	0.0498	99.6	70-130	WG802658
Ethylbenzene	mg/kg	.05	0.0525	105.	70-130	WG802658
Toluene	mg/kg	.05	0.0514	103.	70-130	WG802658
Total Xylene	mg/kg	.15	0.154	103.	70-130	WG802658
a,a,a-Trifluorotoluene (PID)				108.0	54-144	WG802658
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.90	107.	63.5-137	WG802658
a,a,a-Trifluorotoluene (FID)				107.0	59-128	WG802658
Chloride	mg/kg	200	202.	101.	80-120	WG803250

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
C10-C28 Diesel Range	mg/kg	43.3	40.5	72.0	50-100	6.78	20	WG803380
o-Terphenyl				88.40	50-150			WG803380
Benzene	mg/kg	0.0508	0.0498	102.	70-130	2.02	20	WG802658
Ethylbenzene	mg/kg	0.0534	0.0525	107.	70-130	1.69	20	WG802658
Toluene	mg/kg	0.0521	0.0514	104.	70-130	1.28	20	WG802658
Total Xylene	mg/kg	0.156	0.154	104.	70-130	1.51	20	WG802658

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Analyte	Laboratory Control Sample Duplicate				Limit	RPD	Limit	Batch
	Units	Result	Ref	%Rec				
a,a,a-Trifluorotoluene (PID)				108.0	54-144			
TPH (GC/FID) Low Fraction	mg/kg	5.96	5.90	108.	63.5-137	1.07	20	WG802658
a,a,a-Trifluorotoluene (FID)				108.0	59-128			WG802658
Chloride	mg/kg	202.	202.	101.	80-120	0.0	20	WG803250

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Benzene	mg/kg	0.228	0.0	.05	91.0	49.7-127	L776429-02	WG802658
Ethylbenzene	mg/kg	0.220	0.0	.05	88.0	40.8-141	L776429-02	WG802658
Toluene	mg/kg	0.226	0.000603	.05	90.0	49.8-132	L776429-02	WG802658
Total Xylene	mg/kg	0.659	0.000814	.15	88.0	41.2-140	L776429-02	WG802658
a,a,a-Trifluorotoluene (FID)					105.0	59-128		WG802658
TPH (GC/FID) Low Fraction	mg/kg	22.9	0.0	5.5	83.0	28.5-138	L776429-02	WG802658
a,a,a-Trifluorotoluene (FID)					105.0	59-128		WG802658
Chloride	mg/kg	854.	335.	500	100.	80-120	L777555-33	WG803250
Chloride	mg/kg	787.	335.	500	90.0	80-120	L777555-33	WG803250

Analyte	Units	Matrix Spike Duplicate				Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec						
Benzene	mg/kg	0.225	0.228	89.9		49.7-127	1.35	23.5	L776429-02	WG802658
Ethylbenzene	mg/kg	0.217	0.220	86.8		40.8-141	1.22	23.8	L776429-02	WG802658
Toluene	mg/kg	0.223	0.226	88.9		49.8-132	1.29	23.5	L776429-02	WG802658
Total Xylene	mg/kg	0.647	0.659	86.2		41.2-140	1.82	23.7	L776429-02	WG802658
a,a,a-Trifluorotoluene (FID)				105.0		59-128				WG802658
TPH (GC/FID) Low Fraction	mg/kg	24.0	22.9	87.3		28.5-138	4.73	23.6	L776429-02	WG802658
a,a,a-Trifluorotoluene (FID)				105.0		59-128				WG802658

Batch number / Run number / Sample number cross reference

WG803343: R3050975: L777657-01 02
WG803380: R3051108 R3051250: L777657-01 02
WG802658: R3051496: L777657-01 02
WG803250: R3051560: L777657-02

* * Calculations are performed prior to rounding of reported values.

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

