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: Logan Hixon
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683
Facility Name: WF Federal 27-2	Facility Type: Gas Well (Fruitland Coal)

Surface Owner: Federal Land	Mineral Owner	API No. 30-045-30689

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	27	30 N	14W	1021	FNL	1940	FWL	San Juan

Latitude: N36*.78957 **Longitude:** W-108*29889

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Approximately 50 bbl.	Volume Recovered: 40 bbl. Recovered
Source of Release: Water Transfer Line Inside Valve Can near location	Date and Hour of Occurrence: July 2, 2014 at Unknown Time	Date and Hour of Discovery: July 2, 2014 at 1600.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Cory Smith (NMOCD)	
By Whom? Kurt Hoekstra (XTO)	Date and Hour: July 3, 2014 at 1222 (Attached)	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

OIL CONS. DIV DIST. 3
JUL 22 2014

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* On July 2, 2014, a water leak was discovered in the produced water transport line valve can near the WF Federal 27-2 well site. An estimated 50 bbl. of produced water leaked from the pipeline into the valve can; of the 50 bbl. released, 40 bbl. were recovered on July 2, 2014. The waterline valve can was excavated, and the leak occurred at the valve located in the can. The produced water traveled to the south east approximately 10 feet before entering a two track road, where it continued approximately 150 feet to the east in the north rut of the two track road where it stopped. The site was ranked a 0 pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The depth to groundwater is estimated over 100 feet. This set the regulatory limits to 5,000 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.* On July 3, 2014, a composite sample was collected along the length of the spill. The sample was analyzed for DRO/GRO via USEPA Method 8015, BTEX via USEPA Method 8021, and for chlorides. The sample returned results below the regulatory standards determined for this location. The samples returned elevated chloride results; the NMOCD has requested that cleanup activities be performed to address the chloride levels. Remediation activities are currently underway. A final C-141 will be submitted at completion of remediation activities. The sample results are attached for your reference.

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: Logan Hixon	OIL CONSERVATION DIVISION	
Printed Name: Logan Hixon	Approved by Environmental Specialist:	
Title: EHS Coordinator	Approval Date: 9/8/14	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval:	Attached ☐
Date: July 21, 2014 Phone: 505-333-3683		

* Attach Additional Sheets If Necessary

#NCS 1425132379

(9)

Hoekstra, Kurt

From: Hoekstra, Kurt
Sent: Thursday, July 03, 2014 12:22 PM
To: 'Cory.Smith@state.nm.us'
Cc: McDaniel, James (James_McDaniel@xtoenergy.com); Hixon, Logan; Rector, Mike
Subject: 24 Hour Notification WF Federal 27 #2 W1-Z Water Can

Please accept this email as the required 24 Hour notification of a produced water leak at the W1-Z water can near the WF Federal 27 # 2 location.
API # 30-045-30689, Unit C, Sec. 27, T-30N, R-14W. Lat. 36.7645, Long -108.2851 San Juan County New Mexico. On 7-2-2014 at approximately 4:00 pm. A produced water leak was reported at the water can near the WF Federal 27 # 2 location, the line going to the water can was shut-in and it was estimated that approximately 50 BBL's of produced water leaked from the water line into the valve can. The produced water came out of an opening in the valve can and traveled east following a two track power line road approximately 160ft. A water truck was called and recovered 40 BBL's of produced water from the valve can. On 7-3-2014 a composite soil sample was collected and will be analyzed for TPH 8015, BTEX 8021, and chlorides. A vacuum trailer removed the soil covering the water line and repairs are in progress.

Kurt Hoekstra
EHS Coordinator
XTO Energy
505-333-3202 Office
505-486-9543 Cell
Kurt_Hoekstra@xtoenergy.com

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Kurt Hoekstra
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

Report Summary

Monday July 14, 2014

Report Number: L708701
Samples Received: 07/08/14
Client Project:

Description: WFFED 27-2 Water Can WI-Z

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 R Richards

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.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

ESC
LAB SCIENCES
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Kurt Hoekstra
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

July 14,2014

ESC Sample # : L708701-01

Date Received : July 08, 2014
Description : WFFED 27-2 Water Can WI-Z

Site ID :

Sample ID : FARKH-070314-0845

Project # :

Collected By : Kurt
Collection Date : 07/03/14 08:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	27000	540	mg/kg	9056	07/10/14	50
Total Solids	93.4		%	2540 G-2011	07/10/14	1
Benzene	BDL	0.0027	mg/kg	8021/8015	07/10/14	5
Toluene	BDL	0.027	mg/kg	8021/8015	07/10/14	5
Ethylbenzene	BDL	0.0027	mg/kg	8021/8015	07/10/14	5
Total Xylene	BDL	0.0080	mg/kg	8021/8015	07/10/14	5
TPH (GC/FID) Low Fraction	BDL	0.54	mg/kg	GRO	07/10/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	98.3		% Rec.	8021/8015	07/10/14	5
a,a,a-Trifluorotoluene(PID)	102.		% Rec.	8021/8015	07/10/14	5
TPH (GC/FID) High Fraction	17.	4.3	mg/kg	3546/DRO	07/10/14	1
Surrogate recovery(%)						
o-Terphenyl	70.6		% Rec.	3546/DRO	07/10/14	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 07/14/14 16:51 Printed: 07/14/14 16:52

Summary of Remarks For Samples Printed
07/14/14 at 16:52:12

TSR Signing Reports: 288
R5 - Desired TAT

Domestic Water Well Sampling-see L609759 Lobato for tests EDD's on ALL projects email James, Kurt and Logan all reports

Sample: L708701-01 Account: XTORNM Received: 07/08/14 09:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 16:51

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

XTO Energy - San Juan Division
Kurt Hoekstra
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L708701

July 14, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Total Solids	< .1	%			WG730706	07/10/14 07:36
TPH (GC/FID) High Fraction	< 4	mg/kg			WG730609	07/09/14 21:34
o-Terphenyl		% Rec.	78.50	50-150	WG730609	07/09/14 21:34
Chloride	< 10	mg/kg			WG730804	07/10/14 15:45
Benzene	< .0005	mg/kg			WG730814	07/10/14 18:33
Ethylbenzene	< .0005	mg/kg			WG730814	07/10/14 18:33
Toluene	< .005	mg/kg			WG730814	07/10/14 18:33
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG730814	07/10/14 18:33
Total Xylene	< .0015	mg/kg			WG730814	07/10/14 18:33
a,a,a-Trifluorotoluene(FID)		% Rec.	99.60	59-128	WG730814	07/10/14 18:33
a,a,a-Trifluorotoluene(PID)		% Rec.	104.0	54-144	WG730814	07/10/14 18:33

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	84.3	81.8	3.00	5	L708716-03	WG730706
Chloride	mg/kg	21000	25200	17.0	20	L708701-01	WG730804

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Total Solids	%	50	50.0	100.	85-115	WG730706
TPH (GC/FID) High Fraction	mg/kg	60	48.2	80.3	50-150	WG730609
o-Terphenyl				74.70	50-150	WG730609
Chloride	mg/kg	200	205.	103.	80-120	WG730804
Benzene	mg/kg	.05	0.0486	97.1	70-130	WG730814
Ethylbenzene	mg/kg	.05	0.0489	97.7	70-130	WG730814
Toluene	mg/kg	.05	0.0487	97.3	70-130	WG730814
Total Xylene	mg/kg	.15	0.148	99.0	70-130	WG730814
a,a,a-Trifluorotoluene(FID)				100.0	59-128	WG730814
a,a,a-Trifluorotoluene(PID)				104.0	54-144	WG730814
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.27	95.9	63.5-137	WG730814
a,a,a-Trifluorotoluene(FID)				99.50	59-128	WG730814
a,a,a-Trifluorotoluene(PID)				112.0	54-144	WG730814

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) High Fraction	mg/kg	48.9	48.2	81.0	50-150	1.46	20	WG730609
o-Terphenyl				79.30	50-150			WG730609
Chloride	mg/kg	204.	205.	102.	80-120	0.0	20	WG730804

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

XTO Energy - San Juan Division
Kurt Hoekstra
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L708701

July 14, 2014

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0.0480	0.0486	96.0	70-130	1.19	20	WG730814
Ethylbenzene	mg/kg	0.0481	0.0489	96.0	70-130	1.60	20	WG730814
Toluene	mg/kg	0.0477	0.0487	95.0	70-130	1.92	20	WG730814
Total Xylene	mg/kg	0.146	0.148	97.0	70-130	1.73	20	WG730814
a,a,a-Trifluorotoluene(FID)				99.90	59-128			WG730814
a,a,a-Trifluorotoluene(PID)				104.0	54-144			WG730814
TPH (GC/FID) Low Fraction	mg/kg	4.89	5.27	89.0	63.5-137	7.52	20	WG730814
a,a,a-Trifluorotoluene(FID)				100.0	59-128			WG730814
a,a,a-Trifluorotoluene(PID)				112.0	54-144			WG730814

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TPH (GC/FID) High Fraction	mg/kg	74.9	16.0	60	98.0	50-150	L708701-01	WG730609
o-Terphenyl					60.00	50-150		WG730609
Benzene	mg/kg	0.238	0.000383	.05	95.0	49.7-127	L708790-01	WG730814
Ethylbenzene	mg/kg	0.240	0.000405	.05	96.0	40.8-141	L708790-01	WG730814
Toluene	mg/kg	0.242	0.000935	.05	96.0	49.8-132	L708790-01	WG730814
Total Xylene	mg/kg	0.717	0.00134	.15	95.0	41.2-140	L708790-01	WG730814
a,a,a-Trifluorotoluene(FID)					99.40	59-128		WG730814
a,a,a-Trifluorotoluene(PID)					103.0	54-144		WG730814
TPH (GC/FID) Low Fraction	mg/kg	23.2	0.111	5.5	84.0	28.5-138	L708790-01	WG730814
a,a,a-Trifluorotoluene(FID)					99.60	59-128		WG730814
a,a,a-Trifluorotoluene(PID)					110.0	54-144		WG730814

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
TPH (GC/FID) High Fraction	mg/kg	77.6	74.9	103.	50-150	3.48	20	L708701-01	WG730609
o-Terphenyl				55.40	50-150				WG730609
Benzene	mg/kg	0.250	0.238	99.8	49.7-127	4.94	23.5	L708790-01	WG730814
Ethylbenzene	mg/kg	0.247	0.240	98.6	40.8-141	2.85	23.8	L708790-01	WG730814
Toluene	mg/kg	0.249	0.242	99.3	49.8-132	2.87	23.5	L708790-01	WG730814
Total Xylene	mg/kg	0.736	0.717	97.9	41.2-140	2.59	23.7	L708790-01	WG730814
a,a,a-Trifluorotoluene(FID)				99.00	59-128				WG730814
a,a,a-Trifluorotoluene(PID)				103.0	54-144				WG730814
TPH (GC/FID) Low Fraction	mg/kg	23.7	23.2	85.8	28.5-138	1.98	23.6	L708790-01	WG730814
a,a,a-Trifluorotoluene(FID)				100.0	59-128				WG730814
a,a,a-Trifluorotoluene(PID)				111.0	54-144				WG730814

Batch number /Run number / Sample number cross reference

WG730706: R2958776: L708701-
WG730609: R2959249: L708701-
WG730804: R2959751: L708701-
WG730814: R2961368: L708701-

* * 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.'

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

XTO Energy - San Juan Division
Kurt Hoekstra
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L708701

July 14, 2014

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.

B079

XTO ENERGY
Western Division

Quote Number	
Page ___ of ___	
XTO Contact: Kurt	XTO Contact Phone #: 505-486-9543
Email Results to: James, Kurt, Logan	
Well Site/Location: WFFED 27-2 Water Can WI-Z	API Number: 30-045-30689
Test Reason: SPILL	
Collected By: Kurt	Samples on Ice: (Y)/N
Company: XTO	QA/QC Requested: Y
Signature: Kurt Hoekstra	Gray Areas for Lab Use Only!

Turnaround
- X Standard
- ___ Next Day
- ___ Two Day
- ___ Three Day
- ___ Std. 5 Bus. Days (by contract)

Date Needed ___

Analysis

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	TPH 8015	BTEX 8021	Chlorides				Sample Number
FARKH-070314-0845	Spill Composite	S	7/3	8:45	on ice	1	X	X	X				L708701-01

Lab Information

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

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

Relinquished By: (Signature) Kurt Hoekstra	Date: 7-7-14	Time: 12:30	Received By: (Signature)	Number of Bottles
Relinquished By: (Signature)	Date:	Time:	Received By: (Signature)	Temperature: 3.1
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature)	Date: 7-8-14 Time: 0900

Sample Condition: O BW

Other Information

Comments

1 402

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

5048063598 0474