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: James McDaniel
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3701
Facility Name: Owens #1A	Facility Type: Gas Well

Surface Owner: Federal Land	Mineral Owner	API No. 30-045-30130

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	7	31N	12W	1975	FSL	1980	FWL	San Juan

Latitude: 36.91211 **Longitude:** -108.139220

NATURE OF RELEASE

Type of Release: Condensate/Produced Water	Volume of Release: 80 bbl. (42 bbls condensate/38 bbls water)	Volume Recovered: None
Source of Release: Production Tank	Date and Hour of Occurrence: June 20-22, 2014	Date and Hour of Discovery: June 23, 2014
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Cory Smith (NMOCD) OIL CONS. DIV DIST. 3	
By Whom? James McDaniel	Date and Hour: June 24, 2014	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. JUL 24 2014	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

On June 23, 2014, a loss of approximately 80 bbls of production fluids was discovered at the Owens #1A well site. Approximately 42 bbls of condensate, and 38 bbls of produced water was lost from the on-site production tank through a hole in the tank bottom. All fluids were contained within the bermed area, and soaked into the ground beneath the tank berm. No fluids were recovered. The site was then ranked a zero pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases, setting the closure standards for this location to 5,000 ppm total petroleum hydrocarbons (TPH), 10 ppm Benzene, and 50 ppm total BTEX. The required 24 hour notice was made to Cory Smith with the NMOCD on June 24th, 2014. Samples were collected to determine the extent of the impacted soil from 2', 4' and 6' below ground surface. All three samples returned results above the 50 ppm BTEX standard, determining that excavation activities would need to be performed. The production tank has been cleaned and moved in preparation for excavation activities.

Describe Area Affected and Cleanup Action Taken.*

The attached ***Remediation Plan*** was approved by both the NMOCD and the BLM regarding remediation activities for this location. On June 27, 2014, approximately 300 CY were excavated from the impacted area to extents of 27' x 25' x 10' deep. Five (5) composite samples were collected from the excavated area at these extents, and were analyzed for DRO/GRO via USEPA Method 8015, and for BTEX via USEPA Method 8021; see attached ***Analytical Results***. Sample locations are outlined in the attached ***Field Notes***. All 5 samples returned results below the NMOCD standards determined for this location. The impacted soil was piled on the West end of the location for bio-pile remediation; see ***Field Notes***. Over the next two weeks, the pile was turned 2-3 times per week, and the remediated soil was sampled on July 11, 2014 to determine the effectiveness of the remediation activities. Three (3) composite samples of the pile were collected, and the samples were analyzed for DRO/GRO via USEPA Method 8015, and for BTEX via USEPA Method 8021. The samples returned results below the NMOCD standards determined for this site, and approval to backfill using the remediated soil was granted by both the BLM and the NMOCD; see attached ***Emails*** and ***Analytical Results***.

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: James McDaniel	Approved by Environmental Specialist:
Title: EHS Supervisor	Approval Date: 9/5/14 Expiration Date:
E-mail Address: james_mcdaniel@xtoenergy.com	Conditions of Approval: Attached ☐
Date: 7/22/14 Phone: 505-333-3701	

CERTIFIED HAZARDOUS MATERIALS MANAGER JAMES P. McDANIEL 15676 CHMM EXPIRES MAY 16, 2016

* Attach Additional Sheets If Necessary

#NCS1424851687

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Est. 1970

Logan Hixon
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

Report Summary

Tuesday July 15, 2014

Report Number: L709679
Samples Received: 07/12/14
Client Project:

Description: Owens 1A

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.

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REPORT OF ANALYSIS

Logan Hixon
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

July 15,2014

ESC Sample # : L709679-01

Site ID :

Project # :

Date Received : July 12, 2014
Description : Owens 1A

Sample ID : FARLH-071114-0907

Collected By : Logan Hixon
Collection Date : 07/11/14 09:07

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	90.1		%	2540 G-2011	07/14/14	1
Benzene	BDL	0.028	mg/kg	8021/8015	07/14/14	50
Toluene	BDL	0.28	mg/kg	8021/8015	07/14/14	50
Ethylbenzene	1.0	0.028	mg/kg	8021/8015	07/14/14	50
Total Xylene	4.4	0.083	mg/kg	8021/8015	07/14/14	50
TPH (GC/FID) Low Fraction	370	5.5	mg/kg	GRO	07/14/14	50
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	96.1		% Rec.	8021/8015	07/14/14	50
a,a,a-Trifluorotoluene(PID)	101.		% Rec.	8021/8015	07/14/14	50
TPH (GC/FID) High Fraction	530	22.	mg/kg	3546/DRO	07/14/14	5
Surrogate recovery(%)						
o-Terphenyl	84.6		% Rec.	3546/DRO	07/14/14	5

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: 07/15/14 12:51 Printed: 07/15/14 12:52
L709679-01 (BTEXGRO) - Non-target compounds too high to run at a lower dilution.
L709679-01 (DRO) - Dilution due to matrix

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REPORT OF ANALYSIS

Logan Hixon
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

July 15,2014

ESC Sample # : L709679-02

Site ID :

Project # :

Date Received : July 12, 2014
Description : Owens 1A

Sample ID : FARLH-071114-0923

Collected By : Logan Hixon
Collection Date : 07/11/14 09:23

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	90.3		%	2540 G-2011	07/14/14	1
Benzene	BDL	0.028	mg/kg	8021/8015	07/15/14	50
Toluene	0.45	0.28	mg/kg	8021/8015	07/15/14	50
Ethylbenzene	1.3	0.028	mg/kg	8021/8015	07/15/14	50
Total Xylene	5.8	0.083	mg/kg	8021/8015	07/15/14	50
TPH (GC/FID) Low Fraction	450	5.5	mg/kg	GRO	07/15/14	50
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	90.7		% Rec.	8021/8015	07/15/14	50
a,a,a-Trifluorotoluene(PID)	101.		% Rec.	8021/8015	07/15/14	50
TPH (GC/FID) High Fraction	490	22.	mg/kg	3546/DRO	07/14/14	5
Surrogate recovery(%)						
o-Terphenyl	77.6		% Rec.	3546/DRO	07/14/14	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted
Reported: 07/15/14 12:51 Printed: 07/15/14 12:52
L709679-02 (DRO) - Dilution due to matrix
L709679-02 (BTEXGRO) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Logan Hixon
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

July 15,2014

ESC Sample # : L709679-03

Date Received : July 12, 2014
Description : Owens 1A

Site ID :

Sample ID : FARLH-071114-0936

Project # :

Collected By : Logan Hixon
Collection Date : 07/11/14 09:36

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	90.6		%	2540 G-2011	07/14/14	1
Benzene	BDL	0.028	mg/kg	8021/8015	07/15/14	50
Toluene	0.30	0.28	mg/kg	8021/8015	07/15/14	50
Ethylbenzene	1.2	0.028	mg/kg	8021/8015	07/15/14	50
Total Xylene	8.2	0.083	mg/kg	8021/8015	07/15/14	50
TPH (GC/FID) Low Fraction	430	5.5	mg/kg	GRO	07/15/14	50
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	96.6		% Rec.	8021/8015	07/15/14	50
a,a,a-Trifluorotoluene(PID)	102.		% Rec.	8021/8015	07/15/14	50
TPH (GC/FID) High Fraction	570	22.	mg/kg	3546/DRO	07/14/14	5
Surrogate recovery(%)						
o-Terphenyl	86.0		% Rec.	3546/DRO	07/14/14	5

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: 07/15/14 12:51 Printed: 07/15/14 12:52
L709679-03 (BTEXGRO) - Non-target compounds too high to run at a lower dilution.
L709679-03 (DRO) - Dilution due to matrix

Summary of Remarks For Samples Printed
07/15/14 at 12:52:17

TSR Signing Reports: 288
R2 - Rush: Next Day

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

Sample: L709679-01 Account: XTORNM Received: 07/12/14 08:30 Due Date: 07/15/14 00:00 RPT Date: 07/15/14 12:51

Sample: L709679-02 Account: XTORNM Received: 07/12/14 08:30 Due Date: 07/15/14 00:00 RPT Date: 07/15/14 12:51

Sample: L709679-03 Account: XTORNM Received: 07/12/14 08:30 Due Date: 07/15/14 00:00 RPT Date: 07/15/14 12:51

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Logan Hixon
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L709679

July 15, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Total Solids	< .1	%			WG731413	07/14/14 09:49
Benzene	< .0005	mg/kg			WG731545	07/14/14 20:05
Ethylbenzene	< .0005	mg/kg			WG731545	07/14/14 20:05
Toluene	< .005	mg/kg			WG731545	07/14/14 20:05
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG731545	07/14/14 20:05
Total Xylene	< .0015	mg/kg			WG731545	07/14/14 20:05
a,a,a-Trifluorotoluene(FID)		% Rec.	97.90	59-128	WG731545	07/14/14 20:05
a,a,a-Trifluorotoluene(PID)		% Rec.	102.0	54-144	WG731545	07/14/14 20:05
TPH (GC/FID) High Fraction	< 4	mg/kg			WG731445	07/14/14 12:28
o-Terphenyl		% Rec.	87.50	50-150	WG731445	07/14/14 12:28

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	86.1	88.1	2.29	5	L709692-07	WG731413

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Total Solids	%	50	50.0	100.	85-115	WG731413
Benzene	mg/kg	.05	0.0415	82.9	70-130	WG731545
Ethylbenzene	mg/kg	.05	0.0451	90.2	70-130	WG731545
Toluene	mg/kg	.05	0.0454	90.8	70-130	WG731545
Total Xylene	mg/kg	.15	0.138	91.8	70-130	WG731545
a,a,a-Trifluorotoluene(PID)				102.0	54-144	WG731545
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.86	107.	63.5-137	WG731545
a,a,a-Trifluorotoluene(FID)				102.0	59-128	WG731545
TPH (GC/FID) High Fraction	mg/kg	60	49.0	81.7	50-150	WG731445
o-Terphenyl				79.60	50-150	WG731445

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0.0410	0.0415	82.0	70-130	1.07	20	WG731545
Ethylbenzene	mg/kg	0.0443	0.0451	89.0	70-130	1.74	20	WG731545
Toluene	mg/kg	0.0445	0.0454	89.0	70-130	1.96	20	WG731545
Total Xylene	mg/kg	0.135	0.138	90.0	70-130	1.99	20	WG731545
a,a,a-Trifluorotoluene(PID)				102.0	54-144			WG731545
TPH (GC/FID) Low Fraction	mg/kg	5.67	5.86	103.	63.5-137	3.30	20	WG731545
a,a,a-Trifluorotoluene(FID)				98.60	59-128			WG731545
TPH (GC/FID) High Fraction	mg/kg	49.2	49.0	82.0	50-150	0.490	20	WG731445
o-Terphenyl				78.10	50-150			WG731445

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.197	0.000346	.05	78.0	49.7-127	L709368-01	WG731545
Ethylbenzene	mg/kg	0.214	0.000331	.05	85.0	40.8-141	L709368-01	WG731545
Toluene	mg/kg	0.215	0.000833	.05	86.0	49.8-132	L709368-01	WG731545

* 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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Logan Hixon
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L709679

July 15, 2014

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Total Xylene	mg/kg	0.649	0.00152	.15	86.0	41.2-140	L709368-01	WG731545
a,a,a-Trifluorotoluene(PID)					101.0	54-144		WG731545
TPH (GC/FID) Low Fraction	mg/kg	21.2	0.174	5.5	76.0	28.5-138	L709368-01	WG731545
a,a,a-Trifluorotoluene(FID)					99.10	59-128		WG731545
TPH (GC/FID) High Fraction	mg/kg	52.0	1.06	60	85.0	50-150	L709710-04	WG731445
o-Terphenyl					81.20	50-150		WG731445

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg	0.205	0.197	81.9	49.7-127	4.24	23.5	L709368-01	WG731545
Ethylbenzene	mg/kg	0.219	0.214	87.4	40.8-141	2.24	23.8	L709368-01	WG731545
Toluene	mg/kg	0.221	0.215	88.2	49.8-132	2.97	23.5	L709368-01	WG731545
Total Xylene	mg/kg	0.663	0.649	88.2	41.2-140	2.25	23.7	L709368-01	WG731545
a,a,a-Trifluorotoluene(PID)				101.0	54-144				WG731545
TPH (GC/FID) Low Fraction	mg/kg	20.1	21.2	72.6	28.5-138	4.98	23.6	L709368-01	WG731545
a,a,a-Trifluorotoluene(FID)				99.20	59-128				WG731545
TPH (GC/FID) High Fraction	mg/kg	56.4	52.0	92.3	50-150	8.18	20	L709710-04	WG731445
o-Terphenyl				85.20	50-150				WG731445

Batch number /Run number / Sample number cross reference

WG731413: R2960945: L709679-01 02 03
WG731545: R2961828: L709679-01 02 03
WG731445: R2961930: L709679-01 02 03

* * 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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XTO Energy - San Juan Division
Logan Hixon
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L709679

July 15, 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.

XTO ENERGY
Western Division

Quote Number	Page 1 of 1	
XTO Contact: Logan Hixon	XTO Contact Phone #: 505 386-8018	
Email Results to: Logan, Wurt, James		
Well Site/Location: Owens 1A	API Number: 30-045-30130	Test Reason: Soil pile
Collected By: Logan Hixon	Samples on Ice (Y/N)	Turnaround: Standard; X Next Day; Two Day; Three Day; Std. 5 Bus. Days (by contract); Date Needed
Company: XTO	QA/QC Requested	
Signature: [signature]	Gray Areas for Lab Use Only!	

Analysis: 8015 (DRO/GRO); 8021 (BTEX)

Lab Information

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

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	8015 (DRO/GRO)	8021 (BTEX)						Sample Number
FARLH-071114-0907	Soil pile East	S	7-11	0907	cool	1-4oz	X	X						L709679-01
FARLH-071114-0923	Soil pile middle	S	7-11	0923	cool	1-4oz	X	X						02
FARLH-071114-0936	Soil pile West	S	7-11	0936	cool	1-4oz	X	X						03

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) [signature]	Date: 07-11-14	Time: 1330	Received By: (Signature)	Number of Bottles	Sample Condition
Relinquished By: (Signature)	Date:	Time:	Received By: (Signature)	Temperature: 3.1	Other Information
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature) [signature]	Date: 07-12-14 Time: 0830	

Comments
3/o2 554702403186 JWS

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

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Otto Naegle
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

Report Summary

Wednesday July 02, 2014

Report Number: L707747
Samples Received: 07/01/14
Client Project: 30-045-30130

Description: Owens 1A

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

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Est. 1970

REPORT OF ANALYSIS

Otto Naegle
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

July 02,2014

ESC Sample # : L707747-01

Date Received : July 01, 2014
Description : Owens 1A

Site ID :

Sample ID : FARJM-062714-1520

Project # : 30-045-30130

Collected By :
Collection Date : 06/27/14 15:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	85.9		%	2540 G-2011	07/02/14	1
Benzene	1.3	1.2	mg/kg	8021/8015	07/02/14	2000
Toluene	31.	12.	mg/kg	8021/8015	07/02/14	2000
Ethylbenzene	19.	1.2	mg/kg	8021/8015	07/02/14	2000
Total Xylene	160	3.5	mg/kg	8021/8015	07/02/14	2000
TPH (GC/FID) Low Fraction	2800	230	mg/kg	GRO	07/02/14	2000
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	95.4		% Rec.	8021/8015	07/02/14	2000
a,a,a-Trifluorotoluene(PID)	103.		% Rec.	8021/8015	07/02/14	2000
TPH (GC/FID) High Fraction	1300	93.	mg/kg	3546/DRO	07/02/14	20
Surrogate recovery(%)						
o-Terphenyl	77.9		% Rec.	3546/DRO	07/02/14	20

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: 07/02/14 15:45 Printed: 07/02/14 15:46

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REPORT OF ANALYSIS

Otto Naegle
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

July 02,2014

ESC Sample # : L707747-02

Date Received : July 01, 2014
Description : Owens 1A

Site ID :

Sample ID : FARJM-062714-1500

Project # : 30-045-30130

Collected By :
Collection Date : 06/27/14 15:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.6		%	2540 G-2011	07/02/14	1
Benzene	BDL	0.0029	mg/kg	8021/8015	07/02/14	5
Toluene	BDL	0.029	mg/kg	8021/8015	07/02/14	5
Ethylbenzene	BDL	0.0029	mg/kg	8021/8015	07/02/14	5
Total Xylene	BDL	0.0087	mg/kg	8021/8015	07/02/14	5
TPH (GC/FID) Low Fraction	BDL	0.58	mg/kg	GRO	07/02/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	96.7		% Rec.	8021/8015	07/02/14	5
a,a,a-Trifluorotoluene(PID)	101.		% Rec.	8021/8015	07/02/14	5
TPH (GC/FID) High Fraction	BDL	4.6	mg/kg	3546/DRO	07/02/14	1
Surrogate recovery(%)						
o-Terphenyl	75.9		% Rec.	3546/DRO	07/02/14	1

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

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Reported: 07/02/14 15:45 Printed: 07/02/14 15:46

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REPORT OF ANALYSIS

Otto Naegle
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

July 02,2014

ESC Sample # : L707747-03

Date Received : July 01, 2014
Description : Owens 1A

Site ID :

Sample ID : FARJM-062714-1356

Project # : 30-045-30130

Collected By :
Collection Date : 06/27/14 13:56

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	87.7		%	2540 G-2011	07/02/14	1
Benzene	BDL	0.0028	mg/kg	8021/8015	07/02/14	5
Toluene	BDL	0.028	mg/kg	8021/8015	07/02/14	5
Ethylbenzene	BDL	0.0028	mg/kg	8021/8015	07/02/14	5
Total Xylene	BDL	0.0086	mg/kg	8021/8015	07/02/14	5
TPH (GC/FID) Low Fraction	BDL	0.57	mg/kg	GRO	07/02/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	97.6		% Rec.	8021/8015	07/02/14	5
a,a,a-Trifluorotoluene(PID)	102.		% Rec.	8021/8015	07/02/14	5
TPH (GC/FID) High Fraction	6.5	4.6	mg/kg	3546/DRO	07/02/14	1
Surrogate recovery(%)						
o-Terphenyl	76.8		% Rec.	3546/DRO	07/02/14	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: 07/02/14 15:45 Printed: 07/02/14 15:46

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REPORT OF ANALYSIS

Otto Naegle
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

July 02,2014

ESC Sample # : L707747-04

Date Received : July 01, 2014
Description : Owens 1A

Site ID :

Sample ID : FARJM-062714-1424

Project # : 30-045-30130

Collected By :
Collection Date : 06/27/14 14:24

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	87.6		%	2540 G-2011	07/02/14	1
Benzene	BDL	0.0028	mg/kg	8021/8015	07/02/14	5
Toluene	BDL	0.028	mg/kg	8021/8015	07/02/14	5
Ethylbenzene	BDL	0.0028	mg/kg	8021/8015	07/02/14	5
Total Xylene	BDL	0.0086	mg/kg	8021/8015	07/02/14	5
TPH (GC/FID) Low Fraction	BDL	0.57	mg/kg	GRO	07/02/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	96.9		% Rec.	8021/8015	07/02/14	5
a,a,a-Trifluorotoluene(PID)	101.		% Rec.	8021/8015	07/02/14	5
TPH (GC/FID) High Fraction	5.1	4.6	mg/kg	3546/DRO	07/02/14	1
Surrogate recovery(%)						
o-Terphenyl	72.9		% Rec.	3546/DRO	07/02/14	1

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

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Reported: 07/02/14 15:45 Printed: 07/02/14 15:46

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REPORT OF ANALYSIS

Otto Naegle
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

July 02,2014

ESC Sample # : L707747-05

Date Received : July 01, 2014
Description : Owens 1A

Site ID :

Sample ID : FARJM-062714-1358

Project # : 30-045-30130

Collected By :
Collection Date : 06/27/14 13:58

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.7		%	2540 G-2011	07/02/14	1
Benzene	BDL	0.0029	mg/kg	8021/8015	07/02/14	5
Toluene	BDL	0.029	mg/kg	8021/8015	07/02/14	5
Ethylbenzene	BDL	0.0029	mg/kg	8021/8015	07/02/14	5
Total Xylene	BDL	0.0086	mg/kg	8021/8015	07/02/14	5
TPH (GC/FID) Low Fraction	BDL	0.58	mg/kg	GRO	07/02/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	97.1		% Rec.	8021/8015	07/02/14	5
a,a,a-Trifluorotoluene(PID)	101.		% Rec.	8021/8015	07/02/14	5
TPH (GC/FID) High Fraction	BDL	4.6	mg/kg	3546/DRO	07/02/14	1
Surrogate recovery(%)						
o-Terphenyl	70.1		% Rec.	3546/DRO	07/02/14	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: 07/02/14 15:45 Printed: 07/02/14 15:46

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REPORT OF ANALYSIS

Otto Naegle
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

July 02,2014

ESC Sample # : L707747-06

Date Received : July 01, 2014
Description : Owens 1A

Site ID :

Sample ID : FARJM-062714-1350

Project # : 30-045-30130

Collected By :
Collection Date : 06/27/14 13:50

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	77.8		%	2540 G-2011	07/02/14	1
Benzene	BDL	0.0032	mg/kg	8021/8015	07/02/14	5
Toluene	BDL	0.032	mg/kg	8021/8015	07/02/14	5
Ethylbenzene	0.0095	0.0032	mg/kg	8021/8015	07/02/14	5
Total Xylene	0.032	0.0096	mg/kg	8021/8015	07/02/14	5
TPH (GC/FID) Low Fraction	3.3	0.64	mg/kg	GRO	07/02/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	97.9		% Rec.	8021/8015	07/02/14	5
a,a,a-Trifluorotoluene(PID)	102.		% Rec.	8021/8015	07/02/14	5
TPH (GC/FID) High Fraction	BDL	5.1	mg/kg	3546/DRO	07/02/14	1
Surrogate recovery(%)						
o-Terphenyl	68.8		% Rec.	3546/DRO	07/02/14	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: 07/02/14 15:45 Printed: 07/02/14 15:46

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L707747-01	WG729713	SAMP	o-Terphenyl	R2954292	J7

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

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 Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography 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.

Summary of Remarks For Samples Printed
07/02/14 at 15:46:02

TSR Signing Reports: 288
R2 - Rush: Next Day

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

Sample: L707747-01 Account: XTORNM Received: 07/01/14 13:00 Due Date: 07/02/14 00:00 RPT Date: 07/02/14 15:45

Sample: L707747-02 Account: XTORNM Received: 07/01/14 13:00 Due Date: 07/02/14 00:00 RPT Date: 07/02/14 15:45

Sample: L707747-03 Account: XTORNM Received: 07/01/14 13:00 Due Date: 07/02/14 00:00 RPT Date: 07/02/14 15:45

Sample: L707747-04 Account: XTORNM Received: 07/01/14 13:00 Due Date: 07/02/14 00:00 RPT Date: 07/02/14 15:45

Sample: L707747-05 Account: XTORNM Received: 07/01/14 13:00 Due Date: 07/02/14 00:00 RPT Date: 07/02/14 15:45

Sample: L707747-06 Account: XTORNM Received: 07/01/14 13:00 Due Date: 07/02/14 00:00 RPT Date: 07/02/14 15:45

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XTO Energy - San Juan Division
Otto Naegle
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L707747

July 02, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Total Solids	< .1	%			WG729737	07/02/14 07:02
Benzene	< .0005	mg/kg			WG729229	07/01/14 20:15
Ethylbenzene	< .0005	mg/kg			WG729229	07/01/14 20:15
Toluene	< .005	mg/kg			WG729229	07/01/14 20:15
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG729229	07/01/14 20:15
Total Xylene	< .0015	mg/kg			WG729229	07/01/14 20:15
a,a,a-Trifluorotoluene(FID)		% Rec.	97.90	59-128	WG729229	07/01/14 20:15
a,a,a-Trifluorotoluene(PID)		% Rec.	103.0	54-144	WG729229	07/01/14 20:15
TPH (GC/FID) High Fraction	< 4	mg/kg			WG729713	07/02/14 08:33
o-Terphenyl		% Rec.	81.30	50-150	WG729713	07/02/14 08:33
Benzene	< .0005	mg/kg			WG729563	07/02/14 14:14
Ethylbenzene	< .0005	mg/kg			WG729563	07/02/14 14:14
Toluene	< .005	mg/kg			WG729563	07/02/14 14:14
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG729563	07/02/14 14:14
Total Xylene	< .0015	mg/kg			WG729563	07/02/14 14:14
a,a,a-Trifluorotoluene(FID)		% Rec.	97.90	59-128	WG729563	07/02/14 14:14
a,a,a-Trifluorotoluene(PID)		% Rec.	102.0	54-144	WG729563	07/02/14 14:14

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	87.9	87.6	0.381	5	L707747-04	WG729737

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Total Solids	%	50	50.0	100.	85-115	WG729737
Benzene	mg/kg	.05	0.0421	84.1	70-130	WG729229
Ethylbenzene	mg/kg	.05	0.0437	87.4	70-130	WG729229
Toluene	mg/kg	.05	0.0432	86.4	70-130	WG729229
Total Xylene	mg/kg	.15	0.133	89.0	70-130	WG729229
a,a,a-Trifluorotoluene(PID)				101.0	54-144	WG729229
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.54	101.	63.5-137	WG729229
a,a,a-Trifluorotoluene(FID)				98.00	59-128	WG729229
TPH (GC/FID) High Fraction	mg/kg	60	48.5	80.8	50-150	WG729713
o-Terphenyl				78.80	50-150	WG729713
Benzene	mg/kg	.05	0.0407	81.4	70-130	WG729563
Ethylbenzene	mg/kg	.05	0.0426	85.1	70-130	WG729563
Toluene	mg/kg	.05	0.0418	83.6	70-130	WG729563
Total Xylene	mg/kg	.15	0.130	86.6	70-130	WG729563
a,a,a-Trifluorotoluene(PID)				102.0	54-144	WG729563
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.54	101.	63.5-137	WG729563
a,a,a-Trifluorotoluene(FID)				99.80	59-128	WG729563

* 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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XTO Energy - San Juan Division
Otto Naegle
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L707747

July 02, 2014

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0.0417	0.0421	83.0	70-130	0.790	20	WG729229
Ethylbenzene	mg/kg	0.0430	0.0437	86.0	70-130	1.68	20	WG729229
Toluene	mg/kg	0.0423	0.0432	85.0	70-130	2.02	20	WG729229
Total Xylene	mg/kg	0.131	0.133	87.0	70-130	2.11	20	WG729229
a,a,a-Trifluorotoluene(PID)				102.0	54-144			WG729229
TPH (GC/FID) Low Fraction	mg/kg	5.61	5.54	102.	63.5-137	1.22	20	WG729229
a,a,a-Trifluorotoluene(FID)				98.20	59-128			WG729229
TPH (GC/FID) High Fraction	mg/kg	50.4	48.5	84.0	50-150	3.85	20	WG729713
o-Terphenyl				80.80	50-150			WG729713
Benzene	mg/kg	0.0417	0.0407	83.0	70-130	2.49	20	WG729563
Ethylbenzene	mg/kg	0.0433	0.0426	86.0	70-130	1.69	20	WG729563
Toluene	mg/kg	0.0423	0.0418	85.0	70-130	1.22	20	WG729563
Total Xylene	mg/kg	0.131	0.130	88.0	70-130	1.11	20	WG729563
a,a,a-Trifluorotoluene(PID)				102.0	54-144			WG729563
TPH (GC/FID) Low Fraction	mg/kg	5.36	5.54	97.0	63.5-137	3.24	20	WG729563
a,a,a-Trifluorotoluene(FID)				97.70	59-128			WG729563

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.194	0.000494	.05	77.0	49.7-127	L707323-01	WG729229
Ethylbenzene	mg/kg	0.200	0.000587	.05	80.0	40.8-141	L707323-01	WG729229
Toluene	mg/kg	0.200	0.00120	.05	80.0	49.8-132	L707323-01	WG729229
Total Xylene	mg/kg	0.611	0.00182	.15	81.0	41.2-140	L707323-01	WG729229
a,a,a-Trifluorotoluene(PID)					101.0	54-144		WG729229
TPH (GC/FID) Low Fraction	mg/kg	24.7	0.108	5.5	89.0	28.5-138	L707323-01	WG729229
a,a,a-Trifluorotoluene(FID)					98.50	59-128		WG729229
TPH (GC/FID) High Fraction	mg/kg	39.6	0.0	60	66.0	50-150	L707350-14	WG729713
o-Terphenyl					70.50	50-150		WG729713
Benzene	mg/kg	0.208	0.000466	.05	83.0	49.7-127	L707501-12	WG729563
Ethylbenzene	mg/kg	0.218	0.000503	.05	87.0	40.8-141	L707501-12	WG729563
Toluene	mg/kg	0.216	0.00101	.05	86.0	49.8-132	L707501-12	WG729563
Total Xylene	mg/kg	0.665	0.00145	.15	88.0	41.2-140	L707501-12	WG729563
a,a,a-Trifluorotoluene(PID)					102.0	54-144		WG729563
TPH (GC/FID) Low Fraction	mg/kg	25.4	0.103	5.5	92.0	28.5-138	L707501-12	WG729563
a,a,a-Trifluorotoluene(FID)					98.60	59-128		WG729563

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg	0.214	0.194	85.3	49.7-127	9.94	23.5	L707323-01	WG729229
Ethylbenzene	mg/kg	0.215	0.200	85.9	40.8-141	7.17	23.8	L707323-01	WG729229
Toluene	mg/kg	0.215	0.200	85.4	49.8-132	7.11	23.5	L707323-01	WG729229
Total Xylene	mg/kg	0.651	0.611	86.6	41.2-140	6.39	23.7	L707323-01	WG729229
a,a,a-Trifluorotoluene(PID)				101.0	54-144				WG729229
TPH (GC/FID) Low Fraction	mg/kg	25.0	24.7	90.5	28.5-138	1.28	23.6	L707323-01	WG729229
a,a,a-Trifluorotoluene(FID)				98.50	59-128				WG729229
TPH (GC/FID) High Fraction	mg/kg	38.7	39.6	64.6	50-150	2.11	20	L707350-14	WG729713
o-Terphenyl				68.00	50-150				WG729713

* 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
Otto Naegle
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L707747

July 02, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg	0.204	0.208	81.4	49.7-127	2.08	23.5	L707501-12	WG729563
Ethylbenzene	mg/kg	0.209	0.218	83.5	40.8-141	4.01	23.8	L707501-12	WG729563
Toluene	mg/kg	0.207	0.216	82.3	49.8-132	4.55	23.5	L707501-12	WG729563
Total Xylene	mg/kg	0.634	0.665	84.4	41.2-140	4.68	23.7	L707501-12	WG729563
a,a,a-Trifluorotoluene(PID)				101.0	54-144				WG729563
TPH (GC/FID) Low Fraction	mg/kg	23.3	25.4	84.5	28.5-138	8.41	23.6	L707501-12	WG729563
a,a,a-Trifluorotoluene(FID)				98.20	59-128				WG729563

Batch number /Run number / Sample number cross reference

WG729737: R2954070: L707747-01 02 03 04 05 06
WG729229: R2954154: L707747-02 03 04 05 06
WG729713: R2954292: L707747-01 02 03 04 05 06
WG729563: R2954587: L707747-01

* * 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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Aztec, NM 87410

Quality Assurance Report
Level II

L707747

July 02, 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.

XTO ENERGY
Western Division

Quote Number	Page 1 of 1	
XTO Contact: James McDaniel	XTO Contact Phone #: 505-787-0519	
Email Results to: James, Kurt, Logan		
Well Site/Location: Owens #1A1	API Number: 30-045-30135	Test Reason: Spill
Collected By: James McDaniel	Samples on Ice (Y / N)	Turnaround: ___ Standard; X Next Day; ___ Two Day; ___ Three Day; ___ Std. 5 Bus. Days (by contract); Date Needed ___
Company: XTO	QA/QC Requested: Standard	
Signature:	Gray Areas for Lab Use Only!	

Analysis: 8015 (DRO/GRO); 8021 (BTEX)

Lab Information

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

C165

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	8015 (DRO/GRO)	8021 (BTEX)	Sample Number
FARJM-062714-1520	Initial Soil Pile	S	6/27/14	1520	Cool	1/4oz	X	X	1707747 -01
FARJM-062714-1500	East Wall	S	6/27/14	1500	Cool	1/4oz	X	X	-02
FARJM-062714-1356	North Wall	S	6/27/14	1356	Cool	1/4oz	X	X	-03
FARJM-062714-1424	South Wall 2	S	6/27/14	1424	Cool	1/4oz	X	X	-04
FARJM-062714-1358	West Wall	S	6/27/14	1358	Cool	1/4oz	X	X	-05
FARJM-062714-1350	Bottom @ 10'	S	6/27/14	1350	Cool	1/4oz	X	X	-06

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)	Date: 6/30/14	Time: 1100	Received By: (Signature)	Number of Bottles: 6 (4oz)	Sample Condition: TDI
Relinquished By: (Signature)	Date:	Time:	Received By: (Signature)	Temperature: 2.8°C	Other Information: 06
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature)	Date: 7/1/14 Time: 1300	

Comments: RUSH

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

5040 0635 9453

XTO Energy On-Site Form

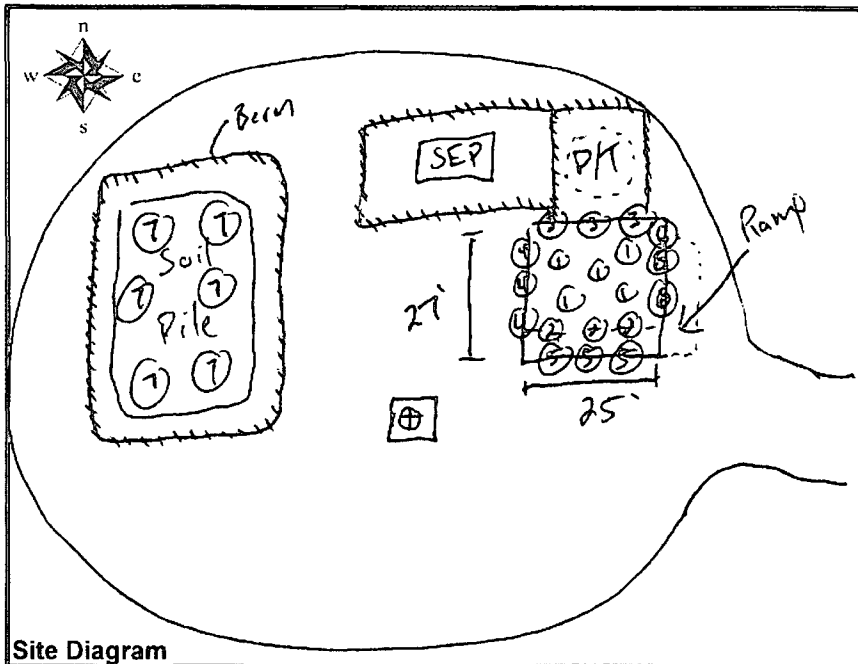
Well Name Owens #1A API # 30-045-30130

Section 7K Township 31N Range 12W County San Juan

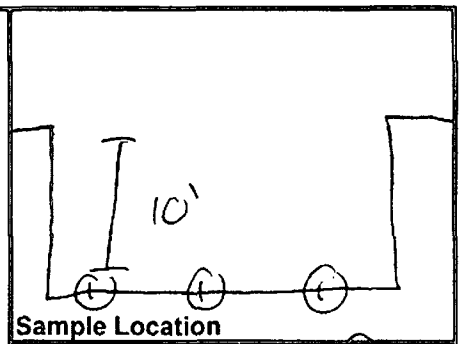
Contractors On-Site Keystone Time On-Site 900 Time Off-Site 1600

Spill Amount 80 bbls Spilled (Oil / Produced W/ Other —) RCVRD 0

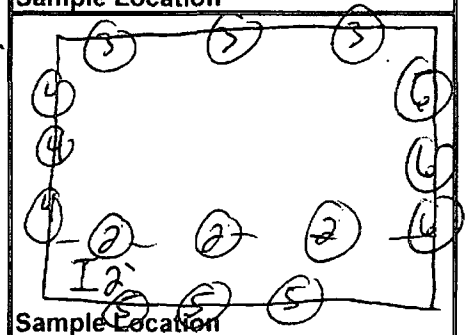
Land Use (Range / Residential / Tribe —) Excavation 27 x 25 x 10 deep



Site Diagram



Sample Location



Sample Location

Comments

—

Number of Photos Taken

Samples

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
—	NA	100 Standard	NA	100	NA
1350	1	Bottom @ 10' (Sandstone)	Yellow-Brown sandstone	1630	8015, 8021
1355	2	South Wall	Brown Sandy-loam	3400	—
1356	3	North Wall	Brown Sandy-loam	114	8015, 8021
1358	4	West Wall	Brown Sandy-loam	108	8015, 8021
1424	5	South Wall 2	Brown Sandy-loam	148	8015, 8021
1500	6	East Wall	Brown Sandy loam	72	8015, 8021
1520	7	Initial Soil Pile	Brown Sandy loam	—	8015, 8021

Name (Print) James McDaniel Date 6/27/14

Name (Signature) [signature] Company XTO

Hixon, Logan

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Wednesday, July 16, 2014 8:01 AM
To: Hixon, Logan; Shari Ketcham (sketcham@blm.gov)
Cc: Morrow, Sherry; McDaniel, James; Trujillo, Marcos; Hoekstra, Kurt; Marriott, Mike
Subject: RE: Owens 1A Remediation Update

Mr. Hixon

Results look good, XTO has NMOCD approval to backfill.

From: Hixon, Logan [mailto:Logan_Hixon@xtoenergy.com]
Sent: Wednesday, July 16, 2014 7:46 AM
To: Smith, Cory, EMNRD; Shari Ketcham (sketcham@blm.gov)
Cc: Morrow, Sherry; McDaniel, James; Trujillo, Marcos; Hoekstra, Kurt; Marriott, Mike
Subject: Owens 1A Remediation Update

Good Morning,
Attached for your reference are the sample analytical data from the Owens 1A soil remediation piles. All three (3) soil piles individual of each other returned results back below the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. XTO plans to begin backfilling the excavation with the soil on Wednesday July 16, 2014. A final C-141 will be submitted at time of completion of backfilling the excavation.

If you have any questions or concerns do not hesitate to contact me at anytime. Thank you and have a good day!

Thank You!

XTO ENERGY INC., an ExxonMobil subsidiary
Logan Hixon | 72 Suttle Street, Suite J | Durango, CO 81303 | ph: 970-247-7708 | Cell: 505-386-8018
Logan Hixon | 382 CR 3100 | Aztec, NM 87410 | ph: 505-333-3100 | Logan_Hixon@xtoenergy.com

Hixon, Logan

From: Ketcham, Shari <sketcham@blm.gov>
Sent: Wednesday, July 16, 2014 8:14 AM
To: Hixon, Logan
Cc: Smith, Cory, EMNRD; Morrow, Sherry; McDaniel, James; Trujillo, Marcos; Hoekstra, Kurt; Marriott, Mike
Subject: Re: Owens 1A Remediation Update

Since soil samples are below regulatory standards, XTO has approval from BLM to backfill the excavation.

Thank you!

Shari Ketcham
Natural Resource Specialist, Spills Biologist
BLM Farmington Field Office
6251 College Blvd Suite A
Farmington, NM 87402
Office: (505) 564-7713
Fax: (505) 564-7607

On Wed, Jul 16, 2014 at 7:45 AM, Hixon, Logan <Logan_Hixon@xtoenergy.com> wrote:

Good Morning,

Attached for your reference are the sample analytical data from the Owens 1A soil remediation piles. All three (3) soil piles individual of each other returned results back below the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. XTO plans to begin backfilling the excavation with the soil on Wednesday July 16, 2014. A final C-141 will be submitted at time of completion of backfilling the excavation.

If you have any questions or concerns do not hesitate to contact me at anytime. Thank you and have a good day!

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Logan Hixon | 72 Suttle Street, Suite J | Durango, CO 81303 | ph: 970-247-7708 | Cell: 505-386-8018

Logan Hixon | 382 CR 3100 | Aztec, NM 87410 | ph: 505-333-3100 | Logan_Hixon@xtoenergy.com

Hixon, Logan

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Thursday, June 26, 2014 11:59 AM
To: McDaniel, James; Babcock, Kristen
Cc: Hixon, Logan; Naegele, Seraiah; Ketcham, Shari (sketcham@blm.gov); Powell, Brandon, EMNRD
Subject: RE: Owens #1A Remediation Plan

Mr. McDaniel's,

I have approved your remediation Plan for the Owens #1A API# 30-045-30130

With the following conditions of approval.

1. XTO Notify NMOCD verbally and by email 72hrs prior to soil sampling of in-situ remediation piles.

2. XTO will fence the excavation with 4' hogwire fence with 1 strand of barb wire on top.

3. XTO will build a temporary berm around the remediation piles to contain the contaminated material on site.

If you have any questions please feel free to contact me.

Thank you

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: McDaniel, James [mailto:James_McDaniel@xtoenergy.com]
Sent: Wednesday, June 25, 2014 3:46 PM
To: Smith, Cory, EMNRD
Cc: Hixon, Logan; Naegele, Seraiah
Subject: Owens #1A Remediation Plan

Cory,
Per the BLM guidelines, they are requesting that operators submit a remediation plan to them for approval prior to beginning any mechanical remediation activities. Attached is a copy of the remediation plan submitted to them for approval. With the NMOCD and the BLM's approval, we will begin remediation activities at the Owens #1A immediately. Thank you

"Safety takes time, take the time to be safe" (PL)

James McDaniel
EH&S Supervisor
XTO Energy Inc.
382 Road 3100
Aztec, New Mexico 87410
Phone: 505.333.3701 | Mobile: 505.787.0519
james_mcdaniel@xtoenergy.com

An **ExxonMobil** Subsidiary

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
NMSF078243

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
OWENS 1A

2. Name of Operator
XTO ENERGY INC
Contact: SHERRY J MORROW
E-Mail: sherry_morrow@xtoenergy.com

9. API Well No.
30-045-30130-00-S1

3a. Address
382 ROAD 3100
AZTEC, NM 87410

3b. Phone No. (include area code)
Ph: 505-333-3630

10. Field and Pool, or Exploratory
BLANCO MESAVERDE

RECEIVED
JUN 26 2014
KB
REGULATORY COMPLIANCE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 7 T31N R12W NESW 1975FSL 1980FWL
36.912117 N Lat, 108.139221 W Lon

11. County or Parish, and State
SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

XTO Energy Inc. has attached a Remediation Plan for the spill that occured on this location on 6/23/14. This remediation plan will be executed immediately upon your approval.

If you have any questions or concerns please contact James McDaniel at 505-333-3100.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #250880 verified by the BLM Well Information System
For XTO ENERGY INC, sent to the Farmington
Committed to AFMSS for processing by MARK KELLY on 06/26/2014 (14MXK0174SE)

Name *(Printed/Typed)* SHERRY J MORROW — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 06/25/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By MARK KELLY — Title BRANCH CHIEF ENVIRONMENTAL PROTECTI — Date 02/26/2014

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Owens #1A

API # 30-045-30130
Unit K, Section 7, Township 31N, Range 12W
San Juan County, New Mexico
Lat: 36.91211 Long: -108.139220

Remediation Plan

Submitted By:
James McDaniel
EH&S Supervisor
XTO Energy, Inc.
505-333-3701

Introduction

On June 23, 2014, a loss of approximately 80 bbls of production fluids was discovered at the Owens #1A well site. Approximately 42 bbls of condensate, and 38 bbls of produced water was lost from the on-site production tank through a hole in the tank. All fluids were contained within the bermed area, and soaked into the ground beneath the tank berm. No fluids were recovered. The site was then ranked a zero pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases, setting the closure standards for this location to 5,000 ppm total petroleum hydrocarbons (TPH), 10 ppm Benzene, and 50 ppm total BTEX. The required 24 hour notice was made to Cory Smith with the NMOCD on June 24th, 2014. Samples were collected to determine the extent of the impacted soil from 2', 4' and 6' below ground surface. All three samples returned results above the 50 ppm BTEX standard, determining that excavation activities would need to be performed. The production tank has been cleaned and moved in preparation for excavation activities.

Proposed Remediation Activity

XTO proposes to excavate the impacted materials to extents of the NMOCD Standards of 5,000 ppm TPH, 10 ppm benzene and 50 ppm total BTEX, as determined by laboratory analysis. Estimated impacted soil is estimated at between 100-150 cubic yards at this time. Due to the relatively low levels of TPH compared to the BTEX constituents in the sample results, XTO proposes to remediate the impacted soil on-site in a bio-pile or landfarm in order to re-use the soils for backfill purposes. Based on the temperature and the volatile nature of the constituents, XTO believes that the light range hydrocarbons will flash off quickly, leaving behind only the heavier, less mobile hydrocarbons. XTO proposes to turn the bio-pile or landfarm 3-4 times, allowing the sun to remediate the soil, and resample for TPH, Benzene and BTEX. Should the impacted soils achieve results below the closure standards determined for this location of 5,000 ppm TPH, 10 ppm benzene and 50 ppm BTEX, the remediated soil would be used for backfill of the spill excavation area. If the closure levels cannot be achieved in a maximum time of two week, then the soil would be hauled off for disposal, with clean backfill being brought in. Preliminary sample results, a topographic map, and a facility diagram are attached with this plan for your reference.

Please consider this remediation plan the proposal for remediation activities at the Owens #1A well site. XTO is prepared to execute this remediation plan immediately upon approval.

James McDaniel, CHMM #15676
EH&S Supervisor
XTO Energy, Inc.
Western Division

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: XTO Energy Inc.
Chain Of Custody Number: 0069
Samples Received: 6/24/2014 1:50:00PM
Job Number: 98031-0528
Work Order: P406101
Project Name/Location: Owens 1A

Entire Report Reviewed By: Draft Date: 6/25/14

Tim Cain, Laboratory Manager

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	Owens 1A	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Logan Hixon	25-Jun-14 09:49

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
NE 12"	P406101-01A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.
W 2'	P406101-02A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.
W 6'	P406101-03A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	Owens 1A	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Logan Hixon	25-Jun-14 09:49

DRAFT: NE 12"

P406101-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DRAFT: Volatile Organics by EPA 8021									
Benzene	**2.08**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	**55.6**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	**26.1**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	**244**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	**62.7**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		*139 %*	*80-120*		*1426009*	*06/24/14*	*06/24/14*	*EPA 8021B*	*S-02*
Surrogate: 1,3-Dichlorobenzene		*629 %*	*80-120*		*1426009*	*06/24/14*	*06/24/14*	*EPA 8021B*	*S-02*
DRAFT: Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	**1380**	4.99	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	**109**	30.0	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	

envirotech
Analytical Laboratory

XTO Energy Inc.	Project Name:	Owens 1A	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Logan Hixon	25-Jun-14 09:49

DRAFT: W 2'

P406101-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DRAFT: Volatile Organics by EPA 8021									
Benzene	**6.48**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	**126**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	**39.1**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	**350**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	**88.3**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		*132 %*		*80-120*	*1426009*	*06/24/14*	*06/24/14*	*EPA 8021B*	*S-02*
Surrogate: 1,3-Dichlorobenzene		*621 %*		*80-120*	*1426009*	*06/24/14*	*06/24/14*	*EPA 8021B*	*S-02*
DRAFT: Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	**2020**	4.99	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	**1270**	30.0	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	

envirotech
Analytical Laboratory

XTO Energy Inc	Project Name:	Owens 1A	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Logan Hixon	25-Jun-14 09:49

DRAFT: W 6'

P406101-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DRAFT: Volatile Organics by EPA 8021									
Benzene	**10.4**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	**194**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	**57.4**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	**470**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	**133**	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		*992 %*	*80-120*		*1426009*	*06/24/14*	*06/24/14*	*EPA 8021B*	*S-02*
Surrogate: Bromochlorobenzene		*445 %*	*80-120*		*1426009*	*06/24/14*	*06/24/14*	*EPA 8021B*	*S-02*
DRAFT: Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	**2710**	5.00	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	**2320**	29.9	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	

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Analytical Laboratory

XTO Energy Inc	Project Name:	Owens 1A	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Logan Hixon	25-Jun-14 09:49

DRAFT: Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1426009 - Purge and Trap EPA 5030A										
Blank (1426009-BLK1)				Prepared & Analyzed: 24-Jun-14						
Benzene	ND	0.001	mg/kg							
Toluene	ND	0.001	"							
Ethylbenzene	ND	0.001	"							
p,m-Xylene	ND	0.001	"							
o-Xylene	ND	0.001	"							
Total Xylenes	ND	0.001	"							
Total BTEX	ND	0.001	"							
Surrogate: 1,3-Dichlorobenzene	*55.1*		*ug/L*	*50.0*		*110*	*80-120*			
Surrogate: Bromochlorobenzene	*56.3*		"	*50.0*		*113*	*80-120*			
Duplicate (1426009-DUP1)	**Source: P406093-01**			Prepared & Analyzed: 24-Jun-14						
Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	*59.2*		*ug/L*	*50.0*		*118*	*80-120*			
Surrogate: Bromochlorobenzene	*62.2*		"	*50.0*		*124*	*80-120*			*S-02*
Matrix Spike (1426009-MS1)	**Source: P406093-01**			Prepared & Analyzed: 24-Jun-14						
Benzene	52.7		ug/L	50.0	ND	105	39-150			
Toluene	53.2		"	50.0	ND	106	46-148			
Ethylbenzene	51.9		"	50.0	ND	104	32-160			
p,m-Xylene	106		"	100	ND	106	46-148			
o-Xylene	53.2		"	50.0	ND	106	46-148			
Surrogate: 1,3-Dichlorobenzene	*57.6*		"	*50.0*		*115*	*80-120*			
Surrogate: Bromochlorobenzene	*60.2*		"	*50.0*		*120*	*80-120*			

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XTO Energy Inc.	Project Name:	Owens 1A	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Logan Hixon	25-Jun-14 09:49

DRAFT: Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1426009 - Purge and Trap EPA 5030A										
Blank (1426009-BLK1)				Prepared & Analyzed: 24-Jun-14						
Gasoline Range Organics (C6-C10)	ND	0.10	mg/kg							
Duplicate (1426009-DUP1)		Source: P406093-01		Prepared & Analyzed: 24-Jun-14						
Gasoline Range Organics (C6-C10)	7.59	4.99	mg/kg		ND				30	
Matrix Spike (1426009-MS1)		Source: P406093-01		Prepared & Analyzed: 24-Jun-14						
Gasoline Range Organics (C6-C10)	0.46		mg/L	0.450	ND	102	75-125			

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XTO Energy Inc	Project Name:	Owens 1A	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Logan Hixon	25-Jun-14 09:49

DRAFT: Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1426010 - DRO Extraction EPA 3550C										
Blank (1426010-BLK1)				Prepared & Analyzed: 24-Jun-14						
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1426010-DUP1)	Source: P406093-01			Prepared & Analyzed: 24-Jun-14						
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		ND				30	
Matrix Spike (1426010-MS1)	Source: P406093-01			Prepared & Analyzed: 24-Jun-14						
Diesel Range Organics (C10-C28)	279		mg/L	250	6.00	109	75-125			

XTO Energy Inc.	Project Name:	Owens 1A	
382 CR 3100	Project Number:	98031-0528	**Reported:**
Aztec NM, 87410	Project Manager:	Logan Hixon	25-Jun-14 09:49

Notes and Definitions

S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

XTO ENERGY
Western Division

Quote Number		Page 1 of 1
XTO Contact: Logan Hixon		XTO Contact Phone #: 505 386-8618
Email Results to: Logan, James, Kurt		
Well Site/Location: Owens 1A	APJ Number: 30-045-30130	Test Reason: Release
Collected By: Logan Hixon	Samples on Ice: (Y / N)	Turnaround: Standard / ~~Next Day~~ Rush / Two Day / Three Day / Std. 5 Bus. Days (by contract)
Company: XTO	QA/QC Requested: Std	Date Needed:
Signature:	Grey Area for Lab Use Only	

Lab Information: 98031-0528 Envirotech

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

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	Analysis: 8015 (GRO/DRO)	Analysis: 8021 (BTEX)	Lab Sample Number
FARLH-062414-0930	NE 12'	S	6-24	0930	Cool	1-4oz	X	X	
FARLH-062414-0940	NW 2'	"	6-24	0940	"	1-4oz	"	"	
FARLH-062414-1012	W 6'	"	"	1012	"	"	"	"	

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

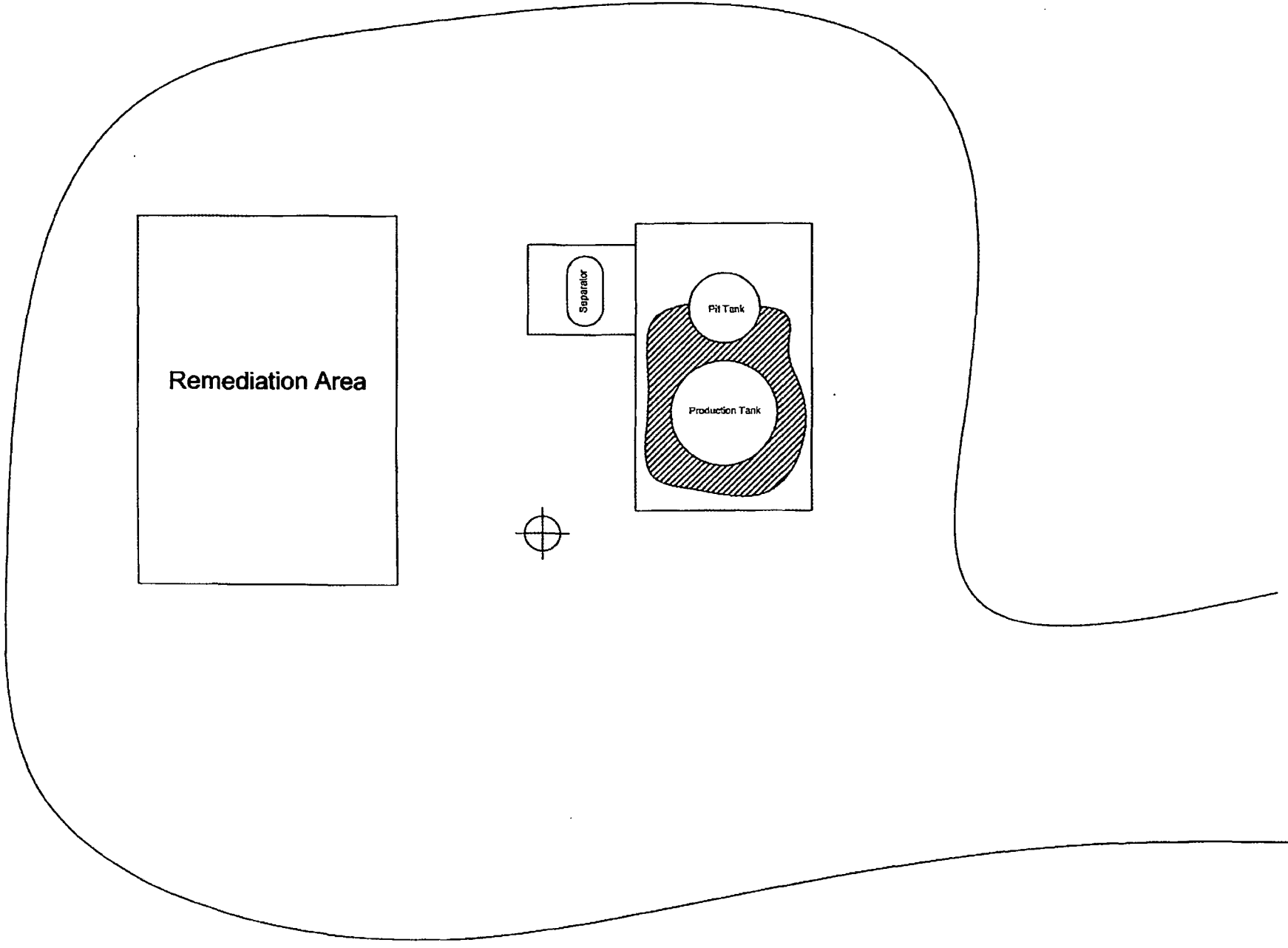
	Date	Time			
Relinquished By: (Signature)	6/24/14	1315	Received By: (Signature)	Number of Bottles:	Sample Condition: Cool
Relinquished By: (Signature)	Date:	Time:	Received By: (Signature)	Temperature:	Other Information
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature)	Date: 6/25/14 Time: 0730	

Comments: RUSH

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

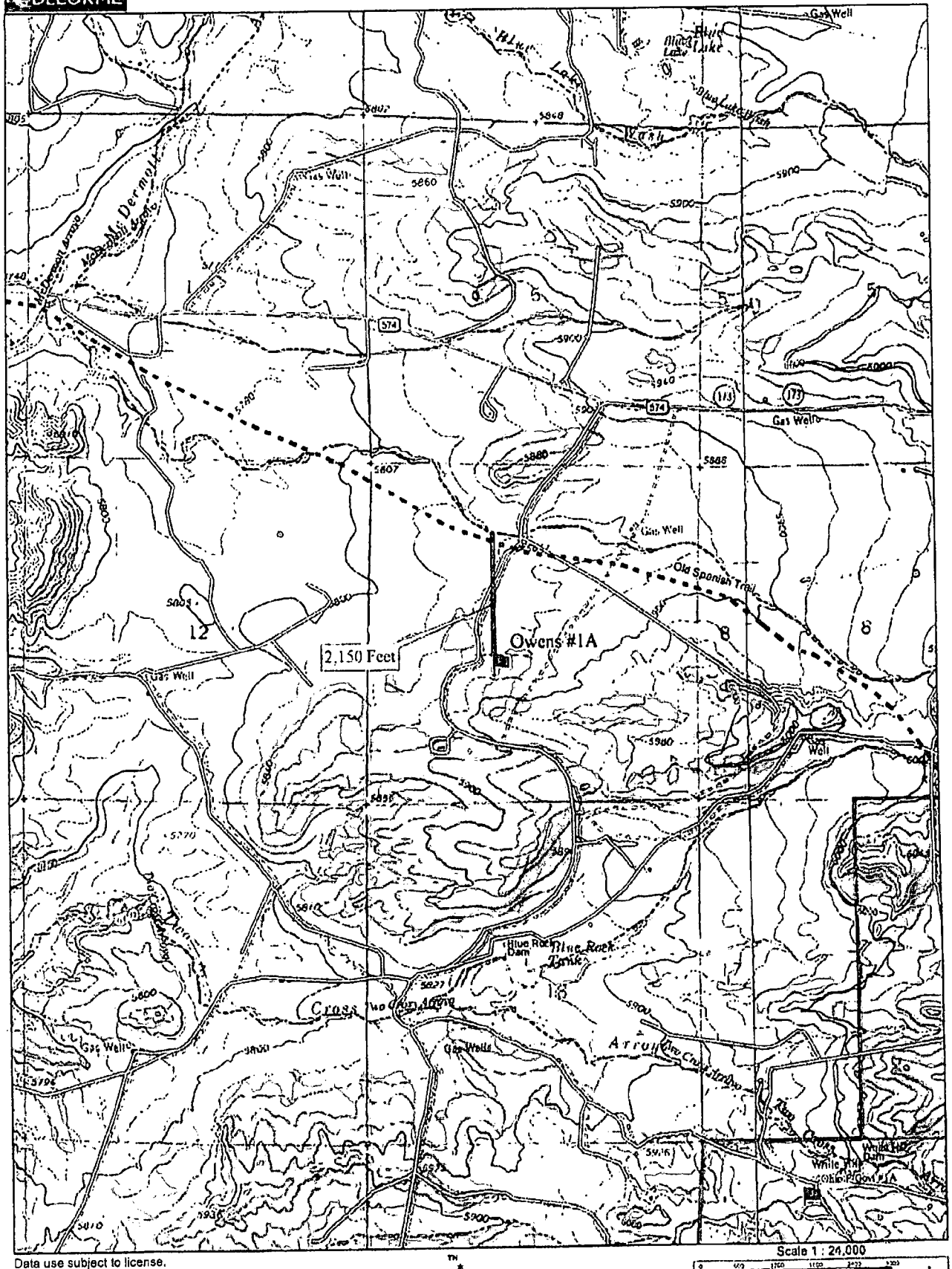
9.1 10.1 11.6 (103)

0069


Remediation Area
Separator
Pit Tank
Production Tank

DELORME

Topo North America™ 9



Scale 1 : 24,000

1" = 2,000.0 ft

Data Zoom 13-1