

District I  
1625 N French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**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: Lunt #3 (30-045-34036)	Facility Type: Gas Well (Fruitland Coal)	
Surface Owner: Federal	Mineral Owner:	Lease No.:

**LOCATION OF RELEASE**

Unit Letter A	Section 6	Township 30N	Range 13W	Feet from the 1130	North/South Line FNL	Feet from the 895	East/West Line FEL	County San Juan
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Latitude: 36.8463 Longitude: -108.2403

**NATURE OF RELEASE**

Type of Release: Produced Water	Volume of Release: 125 bbls	Volume Recovered: 120 bbls
Source of Release: Frozen Valve	Date and Hour of Occurrence: February 17, 2011	Date and Hour of Discovery: February 17, 2011
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell	
By Whom? James McDaniel	Date and Hour: 2/18/2011 - 16:14	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

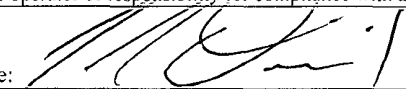
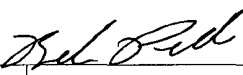
Describe Cause of Problem and Remedial Action Taken.\*

On February 17, 2011, a water leak was discovered at the Lunt #3 well site. A valve at the separator failed, causing approximately 125 bbls of water from the Salty Dog SWD #4 to back up into the bermed area and into the pit cellar. A small amount of the water soaked through the berm in an area by the berm, where it pooled, see attached **On-Site Form**. The valve was repaired and the leak was stopped. Approximately 120 bbls of water was recovered from the bermed area and the pit cellar. The well site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 20 due to a wash at less than 200 feet, and an estimated depth to groundwater of over 100 feet. This set the closure standards to 100 ppm TPH, 10 ppm benzene and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.\*

On February 18, 2010, a spill assessment was performed on the site. Samples were collected from the background for chlorides, returning results of 15 ppm. Samples were also collected of the spill area inside the berm, and of the spill area outside the berm, see **On-Site Form**. The samples were analyzed for TPH, BTEX and chlorides. Both spill composite samples returned results below regulatory limits for TPH and BTEX. The sample inside the bermed area returned chloride results of 750 ppm, while the sample outside the bermed area returned results of 2,300 ppm chlorides. Due to the proximity of the spill area to a nearby wash, XTO excavated the spill area outside the berm to a depth of approximately 18". XTO also excavated inside the bermed area to remove gravel stained with rust and coal fines from the water spill. A sample was collected at the bottom of the excavation area and analyzed for chlorides, returning results of 1,200 ppm. XTO then emailed Brandon Powell with the OCD and representatives from the BLM to determine if the levels would be acceptable for closure. Brandon Powell with the OCD recommended that some gypsum be added to the excavated areas prior to backfilling. XTO spread gypsum into the excavated area, and then returned the site to its original condition. Approximately 48 yards of impacted soil was removed, and clean fill was brought in from Consolidated Construction. No further action will be performed. Analytical results and on-site forms 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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: James McDaniel		Approved by District Supervisor: 	
Title: EH&S Specialist		Approval Date: 3/28/11	Expiration Date:
E-mail Address: James_McDaniel@xtoenergy.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 3/24/2011	Phone: 505-333-3701	nJK1122146793	



12065 Lebanon Rd  
Mt Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
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Tax I D 62-0814289

Est. 1970

James McDaniel  
XTO Energy - San Juan Division  
382 Road 3100  
Aztec, NM 87410

### Report Summary

Wednesday February 23, 2011

Report Number: L502614

Samples Received: 02/19/11

Client Project:

Description: Lunt 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 - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,  
TX - T104704245, OK-9915

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

Note The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP

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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

February 23, 2011

James McDaniel  
XTO Energy - San Juan Division  
382 Road 3100  
Aztec, NM 87410

Date Received : February 19, 2011  
Description : Lunt 3  
Sample ID : OUTSIDE BERM COMPOSITE  
Collected By : James McDaniel  
Collection Date : 02/18/11 10:50

ESC Sample # : L502614-01

Site ID : LUNT 3

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	2300	120	mg/kg	9056	02/21/11	10
Total Solids	86.		%	2540G	02/23/11	1
Benzene	BDL	0.0029	mg/kg	8021/8015	02/19/11	5
Toluene	BDL	0.029	mg/kg	8021/8015	02/19/11	5
Ethylbenzene	BDL	0.0029	mg/kg	8021/8015	02/19/11	5
Total Xylene	BDL	0.0087	mg/kg	8021/8015	02/19/11	5
TPH (GC/FID) Low Fraction	0.85	0.58	mg/kg	GRO	02/19/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	95.2		% Rec.	8021/8015	02/19/11	5
a,a,a-Trifluorotoluene (PID)	100.		% Rec.	8021/8015	02/19/11	5
TPH (GC/FID) High Fraction	28.	4.6	mg/kg	3546/DRO	02/21/11	1
Surrogate recovery(%)						
o-Terphenyl	80.8		% Rec.	3546/DRO	02/21/11	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 02/23/11 10:15 Printed: 02/23/11 10:43



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# REPORT OF ANALYSIS

February 23, 2011

James McDaniel  
XTO Energy - San Juan Division  
382 Road 3100  
Aztec, NM 87410

ESC Sample # : L502614-02

Date Received : February 19, 2011  
Description : Lunt 3  
Sample ID : INSIDE BERM COMPOSITE

Site ID : LUNT 3

Collected By : James McDaniel  
Collection Date : 02/18/11 11:05

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	750	22.	mg/kg	9056	02/21/11	2
Total Solids	88.		%	2540G	02/23/11	1
Benzene	BDL	0.0027	mg/kg	8021/8015	02/19/11	5
Toluene	BDL	0.027	mg/kg	8021/8015	02/19/11	5
Ethylbenzene	BDL	0.0027	mg/kg	8021/8015	02/19/11	5
Total Xylene	BDL	0.0081	mg/kg	8021/8015	02/19/11	5
TPH (GC/FID) Low Fraction	BDL	0.54	mg/kg	GRO	02/19/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	95.5		% Rec.	8021/8015	02/19/11	5
a,a,a-Trifluorotoluene (PID)	101.		% Rec.	8021/8015	02/19/11	5
TPH (GC/FID) High Fraction	32.	4.3	mg/kg	3546/DRO	02/21/11	1
Surrogate recovery(%)						
o-Terphenyl	117.		% Rec.	3546/DRO	02/21/11	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det Limit - Practical Quantitation Limit (PQL)

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Reported: 02/23/11 10:15 Printed: 02/23/11 10:43



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# REPORT OF ANALYSIS

February 23, 2011

James McDaniel  
XTO Energy - San Juan Division  
382 Road 3100  
Aztec, NM 87410

Date Received : February 19, 2011  
Description : Lunt 3

Sample ID : BACKGROUND

Collected By : James McDaniel  
Collection Date : 02/18/11 11:00

ESC Sample # : L502614-03

Site ID : LUNT 3

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	15.	11.	mg/kg	9056	02/21/11	1
Total Solids	93.		%	2540G	02/23/11	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 02/23/11 10:15 Printed: 02/23/11 10:43

Summary of Remarks For Samples Printed  
02/23/11 at 10:43:41

TSR Signing Reports: 288  
R2 - Rush: Next Day

drywt

Sample: L502614-01 Account XTORNM Received: 02/19/11 09:30 Due Date: 02/23/11 00:00 RPT Date: 02/23/11 10:15

Sample: L502614-02 Account: XTORNM Received: 02/19/11 09:30 Due Date: 02/23/11 00:00 RPT Date: 02/23/11 10:15

Sample: L502614-03 Account: XTORNM Received: 02/19/11 09:30 Due Date: 02/23/11 00:00 RPT Date: 02/23/11 10:15



YOUR LAB OF CHOICE

XTO Energy - San Juan Division  
James McDaniel  
382 Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L502614

12065 Lebanon Rd  
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February 23, 2011

Analyte	Result	Laboratory Blank Units % Rec	Limit	Batch	Date Analyzed
Benzene	< .0005	mg/kg		WG522393	02/19/11 22 28
Ethylbenzene	< .0005	mg/kg		WG522393	02/19/11 22 28
Toluene	< .005	mg/kg		WG522393	02/19/11 22 28
TPH (GC/FID) Low Fraction	< .1	mg/kg		WG522393	02/19/11 22 28
Total Xylene	< .0015	mg/kg		WG522393	02/19/11 22 28
a,a,a-Trifluorotoluene(FID)	% Rec	96 10	59-128	WG522393	02/19/11 22 28
a,a,a-Trifluorotoluene(PID)	% Rec.	101.4	54-144	WG522393	02/19/11 22 28
TPH (GC/FID) High Fraction	< 4	ppm		WG522425	02/21/11 09 30
o-Terphenyl	% Rec	93 02	50-150	WG522425	02/21/11 09 30
Chloride	< 10	mg/kg		WG522380	02/21/11 10.01
Total Solids	< 1	%		WG522758	02/23/11 09 59

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	92.0	92 7	0 521	5	L502614-03	WG522758

Analyte	Units	Laboratory Control Sample Known Val Result	% Rec	Limit	Batch
Benzene	mg/kg	05	0.0476	95.3	76-113 WG522393
Ethylbenzene	mg/kg	.05	0.0522	104.	78-115 WG522393
Toluene	mg/kg	.05	0 0510	102.	76-114 WG522393
Total Xylene	mg/kg	15	0.161	107	81-118 WG522393
a,a,a-Trifluorotoluene(FID)			95 25	59-128	WG522393
a,a,a-Trifluorotoluene(PID)			100.0	54-144	WG522393
TPH (GC/FID) Low Fraction	mg/kg	5 5	5 51	100.	67-135 WG522393
a,a,a-Trifluorotoluene(FID)			106.3	59-128	WG522393
a,a,a-Trifluorotoluene(PID)			113 1	54-144	WG522393
TPH (GC/FID) High Fraction	ppm	60	51.9	86.4	50-150 WG522425
o-Terphenyl				82 48	50-150 WG522425
Chloride	mg/kg	200	210.	105.	85-115 WG522380
Total Solids	%	50	50 0	100	85-155 WG522758

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0 0480	0.0476	96 0	76-113	0.800	20	WG522393
Ethylbenzene	mg/kg	0.0521	0.0522	104.	78-115	0 0300	20	WG522393
Toluene	mg/kg	0.0507	0 0510	101	76-114	0 530	20	WG522393
Total Xylene	mg/kg	0 161	0.161	107	81-118	0 0100	20	WG522393
a,a,a-Trifluorotoluene(FID)				95 94	59-128			WG522393
a,a,a-Trifluorotoluene(PID)				100.6	54-144			WG522393
TPH (GC/FID) Low Fraction	mg/kg	5.42	5 51	99.0	67-135	1 51	20	WG522393
a,a,a-Trifluorotoluene(FID)				106 4	59-128			WG522393
a,a,a-Trifluorotoluene(PID)				113.4	54-144			WG522393

\* 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  
James McDaniel  
382 Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L502614

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February 23, 2011

Analyte	Units	Laboratory Control			Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref	%Rec						
TPH (GC/FID) High Fraction	ppm	56.4	51.9	94.0			50-150	8.41	25	WG522425
o-Terphenyl				87.76			50-150			WG522425
Chloride	mg/kg	210	210.	105			85-115	0	20	WG522380

Analyte	Units	MS Res	Matrix Spike			% Rec	Limit	Ref Samp	Batch
			Ref Res	TV					
Benzene	mg/kg	0.246	0	05	98.2	32-137	L502614-01		WG522393
Ethylbenzene	mg/kg	0.227	0	.05	90.8	10-150	L502614-01		WG522393
Toluene	mg/kg	0.237	0	05	94.7	20-142	L502614-01		WG522393
Total Xylene	mg/kg	0.731	0	15	97.5	16-141	L502614-01		WG522393
a,a,a-Trifluorotoluene (FID)					95.10	59-128			WG522393
a,a,a-Trifluorotoluene (PID)					98.91	54-144			WG522393
TPH (GC/FID) Low Fraction	mg/kg	22.8	0.730	5.5	80.1	55-109	L502614-01		WG522393
a,a,a-Trifluorotoluene (FID)					102.3	59-128			WG522393
a,a,a-Trifluorotoluene (PID)					108.8	54-144			WG522393

Analyte	Units	MSD	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec						
Benzene	mg/kg	0.246	0.246	98.4		32-137	0.230	39	L502614-01	WG522393
Ethylbenzene	mg/kg	0.224	0.227	89.7		10-150	1.27	44	L502614-01	WG522393
Toluene	mg/kg	0.233	0.237	93.2		20-142	1.61	42	L502614-01	WG522393
Total Xylene	mg/kg	0.717	0.731	95.6		16-141	1.98	46	L502614-01	WG522393
a,a,a-Trifluorotoluene (FID)				95.56		59-128				WG522393
a,a,a-Trifluorotoluene (PID)				99.65		54-144				WG522393
TPH (GC/FID) Low Fraction	mg/kg	22.9	22.8	80.6		55-109	0.640	20	L502614-01	WG522393
a,a,a-Trifluorotoluene (FID)				102.2		59-128				WG522393
a,a,a-Trifluorotoluene (PID)				108.4		54-144				WG522393

Batch number / Run number / Sample number cross reference

WG522393. R1581229 L502614-01 02  
WG522425 R1583570 L502614-01 02  
WG522380. R1583829 L502614-01 02 03  
WG522564 R1584050 L502614-01 02 03  
WG522758. R1585169 L502614-01 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.'





**YOUR LAB OF CHOICE**

XTO Energy - San Juan Division  
James McDaniel  
382 Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L502614

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Est 1970

February 23, 2011

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.

Company Name/Address  <b>XTO Energy, Inc.</b> <b>382 County Road 3100</b> <b>Aztec, NM 87410</b>			Alternate Billing  XTORN031810S  Report to James McDaniel E-mail to James_McDaniel@xtoenergy.com			Analysis/Container/Preservative <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">             BTEX (E001) 1-4oz / Cocl              DRO/GRO (E015) 1-4oz / Cocl              Chlorides 1-4oz / Cocl           </div> <div></div> </div>			Chain of Custody Page ___ of ___  <b>C071</b>  Prepared by  <b>ENVIRONMENTAL Science corp</b> 12065 Lebanon Road Mt. Juliet TN 37122  Phone (615)758-5858 Phone (800) 767-5859 FAX (615)758-5859		
Project Description: <b>Lunt #3</b>			City/State Collected: <b>La Plata, NM</b>								
PHONE: 505-333-3701 FAX:		Client Project No.: <b>—</b>		Lab Project #: <b>—</b>							
Collected by James McDaniel		Site/Facility ID#: <b>Lunt #3</b>		P.O #: <b>—</b>							
Collected by (Signature):		Rush? (Lab MUST be Notified) <input checked="" type="checkbox"/> Next Day . . . 100% <input type="checkbox"/> Two Day . . . 50% <input type="checkbox"/> Three Day . . . 25%		Date Results Needed Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		No of Cntrs:		CoCode (lab use only) <b>XTORNM</b> Template/Prelogin Shipped Via: Fed Ex			
Packed on Ice N <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/>											
Sample ID	Comp/Grab	Matrix	Depth	Date	Time	Cntrs					
outside berm composite	Comp	SS	—	2/18/11	10 <sup>50</sup>	1	X	X	X		
Inside berm composite	Comp	SS	—	2/18/11	11 <sup>05</sup>	1	X	X	X		
Background	Comp	SS	—	2/18/11	11 <sup>00</sup>	1			X		

Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other \_\_\_\_\_ pH \_\_\_\_\_ Temp \_\_\_\_\_

Remarks: 871960312235 Flow \_\_\_\_\_ Other \_\_\_\_\_

Relinquisher by (Signature):	Date: 2/18/11	Time: 1500	Received by (Signature):	Samples returned via FedEx_X_UPS_Other_	Condition (lab use only)
Relinquisher by (Signature):	Date:	Time:	Received by (Signature):	Temp: 28°C	Bottles Received: 3-1/02
Relinquisher by (Signature):	Date:	Time:	Received for lab by (Signature):	Date: 2-19-11	Time: 9:30
				pH Checked:	NCF

OK Cocl



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James McDaniel  
XTO Energy - San Juan Division  
382 Road 3100  
Aztec, NM 87410

### Report Summary

Thursday March 10, 2011

Report Number: L504681

Samples Received: 03/04/11

Client Project:

Description: Excavation Composite

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 - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,  
TX - T104704245, OK-9915

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

Note The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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



12065 Lebanon Rd.  
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(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I D 62-0814289

Est 1970

# REPORT OF ANALYSIS

March 10, 2011

James McDaniel  
XTO Energy - San Juan Division  
382 Road 3100  
Aztec, NM 87410

Date Received : March 04, 2011  
Description : Excavation Composite  
Sample ID : EXCAVATION COMPOSITE  
Collected By : James McDaniel  
Collection Date : 03/03/11 14 59

ESC Sample # : L504681-01

Site ID : LUNT 3

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	1200	22.	mg/kg	9056	03/09/11	2
Total Solids	92.		%	2540G	03/10/11	1

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: 03/10/11 14:04 Printed: 03/10/11 14:04

Summary of Remarks For Samples Printed  
03/10/11 at 14:04:56

TSR Signing Reports: 288  
R5 - Desired TAT

drywt

Sample: L504681-01 Account: XTORNM Received: 03/04/11 08:30 Due Date: 03/11/11 00:00 RPT Date: 03/10/11 14:04



**YOUR LAB OF CHOICE**

XTO Energy - San Juan Division  
James McDaniel  
382 Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L504681

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Analyte	Result	Laboratory Blank Units % Rec	Limit	Batch	Date Analyzed
Chloride	< 10	mg/kg		WG524725	03/08/11 12:11
Total Solids	< .1	%		WG525071	03/10/11 12:24

Analyte	Units	Result	Duplicate Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	82.0	85.9	4.55	5	L504687-02	WG525071

Analyte	Units	Laboratory Control Sample Known Val Result	% Rec	Limit	Batch
Chloride	mg/kg	200	215	108	85-115 WG524725
Total Solids	%	50	50.1	100	85-155 WG525071

Analyte	Units	Result	Laboratory Control Sample Duplicate Ref %Rec	Limit	RPD	Limit	Batch
Chloride	mg/kg	209	215 104	85-115	2.83	20	WG524725

Batch number /Run number / Sample number cross reference

WG524725 R1603849 L504681-01  
WG525071 R1605762 L504681-01

\* \* 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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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.

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Relinquisher by (Signature) <i>Be Galt</i>	Date 3/3/11	Time 1545	Received by (Signature) 	Samples returned via. FedEx_X__UPS__Other__ 434198141530	Condition (lab use only) 
Relinquisher by (Signature)	Date	Time	Received by (Signature) 	Temp 3.1 °C	Bottles Received 1402
Relinquisher by (Signature)	Date	Time	Received for lab by (Signature) <i>W. J. ...</i>	Date 3/4/11	Time 0630
					pH Checked NCF:





# XTO Energy On-Site Form

Well Name Lunt #3 API # 30-045-34036

Section 6A Township 30N Range 13W County San Juan

Contractors On-Site None Time On-Site 10<sup>30</sup> Time Off-Site 1115

Spill Amount 125 bbls Spilled ( Oil / Produced Water / Other        )

Land Use ( Grazing / Residential / Tribe        ) Excavation        x        x        deep

<p>Site Diagram</p>	<p>Sample Location</p>
<p>Comments <u>Some rust coloring and coal fines noticed, no sheen or hydrocarbon odor noticed</u></p>	<p>Sample Location</p> <p>Number of Photos Taken <u>5</u></p>

## Samples

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
—	NA	100 Standard	NA	—	NA
	1	Composite inside berm	wet, sandy, brown	—	chlorides, SO <sub>4</sub> , & CO <sub>2</sub>
	2	Background	wet, sandy, brown	—	Chlorides
	3	Composite outside Berm	wet, sandy, brown	—	chlorides, & SO <sub>4</sub> , & CO <sub>2</sub>

Name (Print) James McDaniel Date 2/18/11

Name (Signature) [Signature] Company XTO



# XTO Energy On-Site Form

Well Name: LUNT #3 API #: 3804534036  
Section: 06A Township: 30N Range: 13W County: SAN JUAN  
Contractors On-Site: \_\_\_\_\_ Time On-Site: 1445 Time Off-Site: 1511  
Spill Amount: \_\_\_\_\_ bbls Spilled (Oil/Produced Water) Other: \_\_\_\_\_  
Land Use (Grazing/Residential/Trip) \_\_\_\_\_ Excavation: 10' x 48' x 18" deep

Site Diagram	Sample Location
Comments: <u>WASH JUST OFF N. SIDE OF LOCATION</u>	Sample Location: _____ Number of Photos Taken: <u>2</u>

## Samples

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
	NA	100 Standard	NA		NA
1459	1	EXCAVATED COMPOSITE	BROWN SAND SLIGHT OVR		CHLORIDES

Name (Print): BRAO GRIFFITH Date: 3-3-11  
Name (Signature): B. Griffith Company: NELSON PERVIS