

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

**30-045-30523** **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: ROPCO 7 #1 (30-045-30523)	Facility Type: Gas Well

Surface Owner: Federal	Mineral Owner:	Lease No.:
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**LOCATION OF RELEASE**

Unit Letter B	Section 7	Township 29N	Range 14W	Feet from the 1254	North/South Line FNL	Feet from the 1939	East/West Line FEL	County San Juan
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Latitude: 36.745184 Longitude: -108.34853

**NATURE OF RELEASE**

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 9/1/2011
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? <b>RCVD DEC 7 '11</b>	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. <b>OIL CONS. DIV.</b>	
If a Watercourse was Impacted, Describe Fully.*	<b>DIST. 3</b>	

**Describe Cause of Problem and Remedial Action Taken.\***

The below grade tank was taken out of service at the ROPCO 7 #1 well site due to the plugging and abandoning of this well site. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 418.1 and 8015, benzene and BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for benzene, total BTEX and TPH, but above the 250 ppm chloride standard at 10,000 ppm, confirming that a release has occurred at this location. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 30 due to a depth to groundwater of approximately 40' below ground surface based on local water well data, and a distance to a nearby was at less than 1,000 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

**Describe Area Affected and Cleanup Action Taken \***

The NMOCD Guidelines for the Remediation of Leaks, Spills and Releases currently does not cite a closure standard for chlorides. All analytical results were below the regulatory standards determined for this site.

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.

**OIL CONSERVATION DIVISION**

Signature:

Printed Name: James McDaniel, CHMM #15676

Title: EH&S Supervisor

E-mail Address: James\_McDaniel@xtoenergy.com

Date: 12/5/2011

Phone: 505-333-3701

Approved by District Supervisor:

Approval Date: 1/11/2012

Expiration Date:

Conditions of Approval:

Attached ☐

\* Attach Additional Sheets If Necessary

nJK 1201139517



## COVER LETTER

Thursday, September 01, 2011

James McDaniel  
XTO Energy  
382 County Road 3100  
Aztec, NM 87410

TEL: (505) 333-3100

FAX (505) 333-3280

RE: ROPCO 7 #1

Order No.: 1108846

Dear James McDaniel:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 8/20/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", written over a horizontal line.

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901  
AZ license # AZ0682

**Hall Environmental Analysis Laboratory, Inc.**

Date: 01-Sep-11

Analytical Report

CLIENT: XTO Energy  
Lab Order: 1108846  
Project: ROPCO 7 #1  
Lab ID: 1108846-01

Client Sample ID: BGT  
Collection Date: 8/18/2011 9:15:00 AM  
Date Received: 8/20/2011  
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: JB
Diesel Range Organics (DRO)	14	10		mg/Kg	1	8/29/2011 5:08:21 AM
Surr: DNOP	99.2	73 4-123		%REC	1	8/29/2011 5:08:21 AM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/26/2011 6:15:48 PM
Surr: BFB	117	75.2-136		%REC	1	8/26/2011 6:15:48 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.047		mg/Kg	1	8/26/2011 6:15:48 PM
Toluene	ND	0.047		mg/Kg	1	8/26/2011 6:15:48 PM
Ethylbenzene	ND	0.047		mg/Kg	1	8/26/2011 6:15:48 PM
Xylenes, Total	ND	0.095		mg/Kg	1	8/26/2011 6:15:48 PM
Surr: 4-Bromofluorobenzene	92.3	80-120		%REC	1	8/26/2011 6:15:48 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: SRM
Chloride	10000	750		mg/Kg	500	8/26/2011 9:40:13 AM
<b>EPA METHOD 418.1: TPH</b>						Analyst: JB
Petroleum Hydrocarbons, TR	45	20		mg/Kg	1	8/24/2011

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level  
E Estimated value  
J Analyte detected below quantitation limits  
NC Non-Chlorinated  
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
MCL Maximum Contaminant Level  
ND Not Detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

## QA/QC SUMMARY REPORT

Client: XTO Energy  
Project: ROPCO 7 #1

Work Order: 1108846

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB-28181		MBLK				Batch ID: 28181	Analysis Date: 8/24/2011 12:58:25 PM				
Chloride	ND	mg/Kg	1.5								
Sample ID: LCS-28181		LCS				Batch ID: 28181	Analysis Date: 8/24/2011 1:15:49 PM				
Chloride	14.19	mg/Kg	1.5	15	0	94.6	90	110			
Method: EPA Method 418.1: TPH											
Sample ID: MB-28160		MBLK				Batch ID: 28160	Analysis Date: 8/24/2011				
Petroleum Hydrocarbons, TR	ND	mg/Kg	20								
Sample ID: LCS-28160		LCS				Batch ID: 28160	Analysis Date: 8/24/2011				
Petroleum Hydrocarbons, TR	100.6	mg/Kg	20	100	0	101	87.8	115			
Sample ID: LCSD-28160		LCSD				Batch ID: 28160	Analysis Date: 8/24/2011				
Petroleum Hydrocarbons, TR	101.8	mg/Kg	20	100	0	102	87.8	115	1.26	8.04	
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: MB-28158		MBLK				Batch ID: 28158	Analysis Date: 8/25/2011 7:11:01 PM				
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Sample ID: LCS-28158		LCS				Batch ID: 28158	Analysis Date: 8/25/2011 7:45:06 PM				
Diesel Range Organics (DRO)	50.11	mg/Kg	10	50	0	100	66.7	119			
Sample ID: LCSD-28158		LCSD				Batch ID: 28158	Analysis Date: 8/25/2011 8:19:17 PM				
Diesel Range Organics (DRO)	51.66	mg/Kg	10	50	0	103	66.7	119	3.06	18.9	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: MB-28146		MBLK				Batch ID: 28146	Analysis Date: 8/24/2011 1:25:44 PM				
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-28146		LCS				Batch ID: 28146	Analysis Date: 8/24/2011 12:25:39 PM				
Gasoline Range Organics (GRO)	31.26	mg/Kg	5.0	25	0	125	86.4	132			
Method: EPA Method 8021B: Volatiles											
Sample ID: MB-28146		MBLK				Batch ID: 28146	Analysis Date: 8/24/2011 1:25:44 PM				
Benzene	ND	mg/Kg	0.050								
Toluene	ND	mg/Kg	0.050								
Ethylbenzene	ND	mg/Kg	0.050								
Xylenes, Total	ND	mg/Kg	0.10								
Sample ID: LCS-28146		LCS				Batch ID: 28146	Analysis Date: 8/24/2011 12:55:37 PM				
Benzene	0.8810	mg/Kg	0.050	1	0.0238	85.7	83.3	107			
Toluene	0.8318	mg/Kg	0.050	1	0.0145	81.7	74.3	115			
Ethylbenzene	0.9328	mg/Kg	0.050	1	0.0216	91.1	80.9	122			
Xylenes, Total	2.939	mg/Kg	0.10	3	0.0516	96.3	85.2	123			

## Qualifiers:

E Estimated value  
J Analyte detected below quantitation limits  
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
NC Non-Chlorinated  
R RPD outside accepted recovery limits

# Hall Environmental Analysis Laboratory, Inc.

## Sample Receipt Checklist

Client Name XTO ENERGY

Date Received:

8/20/2011

Work Order Number 1108846

Received by: AMF

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name Greyhound

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☒

No ☒

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☒

N/A ☐

Water - pH acceptable upon receipt?

Yes ☐

No ☒

N/A ☐

Container/Temp Blank temperature?

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

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Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding

Comments:

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Corrective Action

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<b>Chain-of-Custody Record</b>		Turn-Around Time:	
Client: <u>XTO</u>		<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Mailing Address: <u>390 CR 3100</u>		Project Name: <u>Popco 7 #1</u>	
<u>A2TK, NM 87410</u>		Project #:	
Phone #: <u>787-0519</u>		Project Manager:	
email or Fax#: <u>james-mcdaniel@xtoenergy.com</u>		<u>JAMES MCDANIEL</u>	
QA/QC Package:			
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)			
Accreditation		Sampler: <u>Josly RICHNER</u>	
<input type="checkbox"/> NELAP <input type="checkbox"/> Other		<input type="checkbox"/> On Ice <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> EDD (Type)		Sample Temperature: <u>50</u>	

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975      Fax 505-345-4107

## Analysis Request

[illegible]

If necessary, samples/submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.