

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: Kurt Hoekstra	RCRD OCT 9 '14
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100	OIL CONSERV. DIV.
Facility Name: EH Pipkin # 8E	Facility Type: Gas Well (Basin Dakota)	DIST. 3
Surface Owner: Federal	Mineral Owner	API No.: 30-045-23782

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	1	27N	11W	950	FSL	890	FEL	San Juan

Latitude 36.59968 Longitude -107.94887

**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: 10-27-2008
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.\* The below grade tank was removed at the EH Pipkin # 8E well site due to facility upgrades of the location. The soil beneath the BGT was sampled for TPH via USEPA Method 418.1, for 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 chlorides, but above the TPH Standard of 100 ppm at 380 ppm via USEPA Method 418.1, 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 40 due to an estimated depth to groundwater of less than 50 feet, distance to a water well greater than 1000 feet, and distance to surface water less than 200 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.\* On 3-4-2009 approximately 20 yards of soil was excavated from the BGT cellar, the soil at the bottom of the cellar was resampled, returning TPH results via USEPA Method 418.1 of < 20ppm and 270ppm total chloride these results are below the levels determined for this site using the Guidelines for the Remediation of Leaks, Spills, and Releases. No further action is required.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Kurt Hoekstra</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Kurt Hoekstra	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: EHS Coordinator	Approval Date: <i>11/24/14</i>	Expiration Date:
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <i>10-8-14</i> Phone: 505-333-3100		

\* Attach Additional Sheets If Necessary

#NCS 1432841 4152

11



## COVER LETTER

Monday, October 27, 2008

Martin Nee  
XTO Energy  
382 County Road 3100  
Aztec, NM 87410

TEL: (505) 333-3100

FAX (505) 333-3280

RE: EH Pipken #8E Pit Tank Cellar

Order No.: 0810227

Dear Martin Nee:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 10/9/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman, Business Manager  
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425  
AZ license # AZ0682  
ORELAP Lab # NM100001  
Texas Lab# T104704424-08-TX



**Hall Environmental Analysis Laboratory, Inc.**

Date: 27-Oct-08

<b>CLIENT:</b>	XTO Energy	<b>Client Sample ID:</b>	EH Pipken #8E Pit Tank Cellar
<b>Lab Order:</b>	0810227	<b>Collection Date:</b>	10/7/2008 3:22:00 PM
<b>Project:</b>	EH Pipken #8E Pit Tank Cellar	<b>Date Received:</b>	10/9/2008
<b>Lab ID:</b>	0810227-01	<b>Matrix:</b>	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: DAM
Benzene	ND	0.050		mg/Kg	1	10/16/2008 11:09:56 PM
Toluene	ND	0.050		mg/Kg	1	10/16/2008 11:09:56 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/16/2008 11:09:56 PM
Xylenes, Total	ND	0.10		mg/Kg	1	10/16/2008 11:09:56 PM
Surr: 4-Bromofluorobenzene	98.0	66.8-139		%REC	1	10/16/2008 11:09:56 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: SLB
Chloride	54	0.30		mg/Kg	1	10/23/2008 12:43:26 AM
<b>EPA METHOD 418.1: TPH</b>						Analyst: LRW
Petroleum Hydrocarbons, TR	380	100		mg/Kg	5	10/13/2008

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Estimated value	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
	ND Not Detected at the Reporting Limit	RL Reporting Limit
	S Spike recovery outside accepted recovery limits	

## QA/QC SUMMARY REPORT

Client: XTO Energy  
 Project: EH Pipken #8E Pit Tank Cellar

Work Order: 0810227

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
<b>Method: EPA Method 300.0: Anions</b>									
Sample ID: MB-17377		MBLK			Batch ID: 17377		Analysis Date: 10/21/2008 10:50:51 PM		
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-17377		LCS			Batch ID: 17377		Analysis Date: 10/21/2008 11:08:16 PM		
Chloride	14.37	mg/Kg	0.30	95.8	90	110			
<b>Method: EPA Method 418.1: TPH</b>									
Sample ID: MB-17347		MBLK			Batch ID: 17347		Analysis Date: 10/13/2008		
Petroleum Hydrocarbons, TR	ND	mg/Kg	20						
Sample ID: LCS-17347		LCS			Batch ID: 17347		Analysis Date: 10/13/2008		
Petroleum Hydrocarbons, TR	84.36	mg/Kg	20	84.4	82	114			
Sample ID: LCSD-17347		LCSD			Batch ID: 17347		Analysis Date: 10/13/2008		
Petroleum Hydrocarbons, TR	87.78	mg/Kg	20	87.8	82	114	3.97	20	
<b>Method: EPA Method 8021B: Volatiles</b>									
Sample ID: 0810227-01A MSD		MSD			Batch ID: 17333		Analysis Date: 10/17/2008 5:14:14 AM		
Benzene	0.2779	mg/Kg	0.050	99.3	78.8	132	3.81	27	
Toluene	2.109	mg/Kg	0.050	105	78.9	112	0.180	19	
Ethylbenzene	0.4253	mg/Kg	0.050	106	69.3	125	0.586	10	
Xylenes, Total	2.536	mg/Kg	0.10	110	73	128	1.02	13	
Sample ID: MB-17333		MBLK			Batch ID: 17333		Analysis Date: 10/17/2008 2:42:21 AM		
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-17333		LCS			Batch ID: 17333		Analysis Date: 10/17/2008 3:12:42 AM		
Benzene	0.3173	mg/Kg	0.050	113	78.8	132			
Toluene	2.200	mg/Kg	0.050	110	78.9	112			
Ethylbenzene	0.4437	mg/Kg	0.050	111	69.3	125			
Xylenes, Total	2.639	mg/Kg	0.10	115	73	128			
Sample ID: 0810227-01A MS		MS			Batch ID: 17333		Analysis Date: 10/17/2008 4:43:50 AM		
Benzene	0.2887	mg/Kg	0.050	103	78.8	132			
Toluene	2.105	mg/Kg	0.050	105	78.9	112			
Ethylbenzene	0.4278	mg/Kg	0.050	107	69.3	125			
Xylenes, Total	2.562	mg/Kg	0.10	111	73	128			

## Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

# Hall Environmental Analysis Laboratory, Inc.

## Sample Receipt Checklist

Client Name XTO ENERGY

Date Received:

10/9/2008

Work Order Number 0810227

Received by: TLS

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name Greyhound

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/> Not Shipped <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Preservation labels on bottle and cap match?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Container/Temp Blank temperature?	5°	<6° C Acceptable If given sufficient time to cool.	

COMMENTS:

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

# Chain-of-Custody Record

Turn-Around Time:

Client:

XTO Energy

Kim Champlin

Address: 382 CE 3100

Altec, NM 87410

Phone #: 505 333 3207

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

☐ Other \_\_\_\_\_

☐ EDD (Type) \_\_\_\_\_

☒ Standard ☐ Rush

Project Name:

EH Pipton #8E Pit Tank Cellar

Project #:

Project Manager:

Martin Ne

Sampler: Steve Arer

Sample ID: 402/2

Container Type and #

Preservative Type

HEAL No. 0810227

Date: 10-7-08

Time: 1522

Sample Request ID: EH Pipton #8E Pit Tank Cellar

Date:

Time:

Relinquished by:

Signature

Received by:

Signature

Remarks:

Date: 10-9-08

Time: 0730

Relinquished by:

Signature

Received by:

Signature

Copy to Kurt\_Hoekstra@xtoenergy.com



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX + MTBE + TMB's (8021)  
BTEX + MTBE + TPH (Gas only)  
TPH Method 8015B (Gas/Diesel)  
TPH (Method 418.1)  
EDB (Method 504.1)  
EDC (Method 8260)  
8310 (PNA or PAH)  
Anions (F, Cl, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>)  
8081 Pesticides / 8082 PCB's  
8260B (VOA)  
8270 (Semi-VOA)

chlorides 300.0

Air Bubbles (Y or N)



## COVER LETTER

Thursday, March 26, 2009

Martin Nee  
XTO Energy  
382 County Road 3100  
Aztec, NM 87410  
TEL: (505) 333-3100  
FAX (505) 333-3280

RE: E H Pipkin #8E

Order No.: 0903247

Dear Martin Nee:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 3/18/2009 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.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't 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, Business Manager  
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425  
AZ license # AZ0682  
ORELAP Lab # NM100001  
Texas Lab# T104704424-08-TX



**Hall Environmental Analysis Laboratory, Inc.**

Date: 26-Mar-09

CLIENT: XTO Energy

Client Sample ID: EH Pipkin #8E B.G.T. Pit

Lab Order: 0903247

Collection Date: 3/12/2009 1:00:00 PM

Project: E H Pipkin #8E

Date Received: 3/18/2009

Lab ID: 0903247-01

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: DAM
Benzene	ND	0.050		mg/Kg	1	3/23/2009 10:03:21 PM
Toluene	ND	0.050		mg/Kg	1	3/23/2009 10:03:21 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/23/2009 10:03:21 PM
Xylenes, Total	ND	0.10		mg/Kg	1	3/23/2009 10:03:21 PM
Surr: 4-Bromofluorobenzene	108	66.8-139		%REC	1	3/23/2009 10:03:21 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: RAGS
Chloride	270	3.0		mg/Kg	10	3/24/2009 2:26:24 AM
<b>EPA METHOD 418.1: TPH</b>						Analyst: LRW
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/19/2009

Qualifiers: \* Value exceeds Maximum Contaminant Level  
E Estimated value  
J Analyte detected below quantitation limits  
ND Not Detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
MCL Maximum Contaminant Level  
RL Reporting Limit



## QA/QC SUMMARY REPORT

Client: XTO Energy  
 Project: E H Pipkin #8E

Work Order: 0903247

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
<b>Method: EPA Method 300.0: Anions</b>									
Sample ID: MB-18605		MBLK			Batch ID: 18605	Analysis Date: 3/24/2009 1:34:10 AM			
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-18605		LCS			Batch ID: 18605	Analysis Date: 3/24/2009 1:51:34 AM			
Chloride	15.96	mg/Kg	0.30	106	90	110			
<b>Method: EPA Method 418.1: TPH</b>									
Sample ID: MB-18568		MBLK			Batch ID: 18568	Analysis Date: 3/19/2009			
Petroleum Hydrocarbons, TR	ND	mg/Kg	20						
Sample ID: LCS-18568		LCS			Batch ID: 18568	Analysis Date: 3/19/2009			
Petroleum Hydrocarbons, TR	84.72	mg/Kg	20	84.7	82	114			
Sample ID: LCSD-18568		LCSD			Batch ID: 18568	Analysis Date: 3/19/2009			
Petroleum Hydrocarbons, TR	92.02	mg/Kg	20	92.0	82	114	8.26	20	
<b>Method: EPA Method 8021B: Volatiles</b>									
Sample ID: MB-18566		MBLK			Batch ID: 18566	Analysis Date: 3/24/2009 4:39:17 AM			
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-18566		LCS			Batch ID: 18566	Analysis Date: 3/24/2009 3:07:44 AM			
Benzene	1.072	mg/Kg	0.050	106	78.8	132			
Toluene	1.023	mg/Kg	0.050	100	78.9	112			
Ethylbenzene	1.099	mg/Kg	0.050	110	69.3	125			
Xylenes, Total	3.259	mg/Kg	0.10	109	73	128			

## Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

# Hall Environmental Analysis Laboratory, Inc.

## Sample Receipt Checklist

Client Name XTO ENERGY

Date Received:

3/18/2009

Work Order Number 0903247

Received by: TLS

Checklist completed by:

Signature

Sample ID labels checked by:

Initials

Matrix:

Carrier name: FedEx

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?

1°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action

Client: XTO ENERGY

Client: XTO ENERGY

Mailing Address: 382 ROAD 3100

AZTEC NM 87410

Phone #: 505-333-3207

email or Fax#:                     

QA/QC Package:

☐ Standard ☐ Level 4 (Full Val

## Accreditation

☐ NELAP      ☐ Other

☐ EDD (Type) \_\_\_\_\_

Turn-Around Time:

☒ Standard      ☐ Rush

Project Name:

EH DICKIN # 8E

Project #:

## B.G.T. SAMPLES

Project Manager:

MARTIN NEE

Sampler: KURT

Office of the Inspector General

Sample Temperature
--------------------

[illegible]

Date:	Time:	Relinquished by:
3-17	9:00	Kurt Hueston

Date:	Time:	Relinquished by:
-------	-------	------------------

Received by: JL Date 3/18/09 Time 930

Received by	Date	Time
-------------	------	------

Remarks:  
E-MAIL RESULTS TO:  
KWET HOEKSTRA  
Kim Champlin



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

[illegible]