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

30-045-07894

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: Masden Gas COM #1 (30-045-07894)	Facility Type: Gas Well (Dakota)

Surface Owner: Private	Mineral Owner:	Lease No.: Fee

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	28	29N	11W	1139	FNL	820	FEL	San Juan

Latitude: 36.70097 **Longitude:** -107.99021

RCVD NOV 21 '11
OIL CONS. DIV.
DIST. 3

NATURE OF RELEASE

Type of Release: Historical	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Historical	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 11/4/2011
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Brandon Powell	
By Whom? James McDaniel	Date and Hour: 11/10/2011 – By Phone	
Was a Watercourse Reached? ☒ Yes ☐ No	If YES, Volume Impacting the Watercourse. Unknown	

If a Watercourse was Impacted, Describe Fully.*
During excavation activities, groundwater was encountered during the excavation. Upon completing excavation activities, the water will be pulled from the excavation, and sample for BTEX.

Describe Cause of Problem and Remedial Action Taken.* The below grade tank was taken out of service at the Masden Gas COM #1 well site due to facility upgrades 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 above the 'Pit Rule' standards of 100 ppm TPH, confirming that a release has occurred. The site was then ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 50 due to a depth to groundwater of less than 50 feet, a distance to the San Juan River of less than 1,000 feet, and a distance to a water well of less than 1,000 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX. Brandon Powell, NMOCD Aztec Office, was notified via phone upon encountering groundwater during excavation activities

Describe Area Affected and Cleanup Action Taken.*
Excavation activities have begun at this location to remove impacted soils from beneath the below grade tank at this location. Upon excavation beneath the below grade tank, it was discovered that the release was not from the below grade tank, but was likely a historical earthen pit. Groundwater was encountered at approximately 6' deep in the excavation. Currently, the excavation has been completed, and XTO is awaiting sample results to confirm that the remaining soil is below the closure standards for TPH and BTEX, and to determine if there is any impact to groundwater. A final spill closure report will follow.

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, CHMM #15676	Approved by District Supervisor:
Title: EH&S Supervisor	Approval Date: 12/1/11 Expiration Date:
E-mail Address: James_McDaniel@xtoenergy.com	Conditions of Approval: Attached ☐
Date: 11/18/2011 Phone: 505-333-3701	

CERTIFIED HAZARDOUS MATERIALS MANAGER
JAMES P. McDANIEL
15676
CHMM
EXPIRES MAY 16, 2013

* Attach Additional Sheets If Necessary

nJK1200948180

7

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, November 10, 2011

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

TEL: (505) 333-3100
FAX (505) 333-3280

RE: MASDEN Gas Com #1

Order No.: 1111285

Dear James McDaniel:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 11/4/2011 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 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,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682

Andy Freeman
Laboratory Manager

Hall Environmental Analysis Laboratory, Inc. **Date:** *10-Nov-11*

CLIENT:	XTO Energy
Project:	MASDEN Gas Com #1
Lab Order:	1111285

CASE NARRATIVE

Analytical Comments for METHOD 8015DRO_S, SAMPLE 1111285-01A: High surrogate due to matrix interference.

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Nov-11*

Analytical Report

CLIENT:	XTO Energy	**Client Sample ID:**	BGT
Lab Order:	1111285	**Collection Date:**	11/3/2011 2:10:00 PM
Project:	MASDEN Gas Com #1	**Date Received:**	11/4/2011
Lab ID:	1111285-01	**Matrix:**	MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	2700	51		mg/Kg	5	11/6/2011 3:34:46 PM
Surr: DNOP	138	73.4-123	S	%REC	5	11/6/2011 3:34:46 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	940	100		mg/Kg	20	11/4/2011 3:41:14 PM
Surr: BFB	619	75.2-136	S	%REC	20	11/4/2011 3:41:14 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		mg/Kg	20	11/4/2011 3:41:14 PM
Toluene	ND	1.0		mg/Kg	20	11/4/2011 3:41:14 PM
Ethylbenzene	2.7	1.0		mg/Kg	20	11/4/2011 3:41:14 PM
Xylenes, Total	38	2.0		mg/Kg	20	11/4/2011 3:41:14 PM
Surr: 4-Bromofluorobenzene	138	80-120	S	%REC	20	11/4/2011 3:41:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Chloride	78	7.5		mg/Kg	5	11/4/2011 12:43:40 PM
EPA METHOD 418.1: TPH						Analyst: **LRW**
Petroleum Hydrocarbons, TR	3200	400		mg/Kg	20	11/4/2011

Qualifiers:

*	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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: MASDEN Gas Com #1 **Work Order:** 1111285

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB-29218		*MBLK*				Batch ID: **29218**		Analysis Date:		11/4/2011 12:08:50 PM	
Chloride	ND	mg/Kg	1.5								
Sample ID: LCS-29218		*LCS*				Batch ID: **29218**		Analysis Date:		11/4/2011 12:26:15 PM	
Chloride	14.41	mg/Kg	1.5	15	0	96.1	90	110			
Method: EPA Method 418.1: TPH											
Sample ID: MB-29221		*MBLK*				Batch ID: **29221**		Analysis Date:		11/4/2011	
Petroleum Hydrocarbons, TR	ND	mg/Kg	20								
Sample ID: LCS-29221		*LCS*				Batch ID: **29221**		Analysis Date:		11/4/2011	
Petroleum Hydrocarbons, TR	103.1	mg/Kg	20	100	9.28	93.8	87.8	115			
Sample ID: LCSD-29221		*LCSD*				Batch ID: **29221**		Analysis Date:		11/4/2011	
Petroleum Hydrocarbons, TR	101.8	mg/Kg	20	100	9.28	92.5	87.8	115	1.23	8.04	
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: MB-29219		*MBLK*				Batch ID: **29219**		Analysis Date:		11/5/2011 2:46:52 AM	
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Sample ID: LCS-29219		*LCS*				Batch ID: **29219**		Analysis Date:		11/5/2011 3:21:17 AM	
Diesel Range Organics (DRO)	48.17	mg/Kg	10	50	0	96.3	66.7	119			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name XTO ENERGY | Date Received: 11/4/2011

Work Order Number 1111285 | Received by: AT

Checklist completed by: _____ 11/04/11 | Sample ID labels checked by: AT

Signature | Date | 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 ☐		Number of preserved bottles checked for pH:
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 ☑	<2 >12 *unless noted below.*
Container/Temp Blank temperature?	**1.0°**	*<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

Client: XTO Energy

Mailing Address: 382 CR 3100
Aztec, NM 87410

Phone #: 505-787-0519

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: 11-9-11
☐ Standard ☑ Rush Same Day

Project Name: MASDEN GAS COM #1

Project #:

Project Manager: James McDaniel

Sampler: Joshua Kirchner

On Ice: ☑ Yes ☐ No

Sample Temperature: 4°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	Analysis Request: 8015 TPH - GRO/DRO	8021 BTEX	418.1 TPH	Chloride	TCLP Metals	RCRA 8 Metals	Air Bubbles (Y or N)
11-3	1410	Soil	BGT	4oz (2)	Cool	-1	✓	✓	✓	✓			

Date:	Time:	Relinquished by:	Received by:	Date	Time
11-3	1500			11/3/11	1506
11/3/11	1549			11/04/11	0900

Remarks: cc to joshua@nelsonreveg.com

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.