

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 Kim Champlin
Address #382 County Road 3100, Aztec, NM 87410	Telephone No. (505) 333-3100
Facility Name Masden Gas Com #1 (API# 30-045-07894)	Facility Type Gas Well

Surface Owner Fee	Mineral Owner	Lease No.
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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	1130	North	820	East	San Juan

Latitude 36.70097 Longitude 107.99021

NATURE OF RELEASE

Type of Release Fresh Water	Volume of Release Unknown	Volume Recovered 40 BBLS
Source of Release Cathodic Well	Date and Hour of Occurrence 09/11/09 Unknown	Date and Hour of Discovery 09/11/09 12:21PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell- OCD	RCVD SEP 28 '09 OIL CONS. DIV.
By Whom? Martin Nee	Date and Hour 09/11/09	DIST 3
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 City of Bloomfield notified XTO of an incident in their yard where an XTO well is located. A City employee backed into the cathodic well on location with a front end loader. When the loader hit the cathodic well the cap was broken off the one inch PVC and cracked the casing which is eight inch PVC. Fresh water was being released from the casing. The volume of the release has not been determined. All notifications were made immediately.

Describe Area Affected and Cleanup Action Taken.* ☐ Construction, completion, automation and environmental staff were dispatched to location to begin repairs. A vac truck recovered 40 bbls of standing fresh water. After the emergency one call was made the ground around the cathodic well was removed to expose the casing. A one inch compression sleeve and one inch ball valve was installed to stop the leak. Later the cathodic was plumbed to a 400 bbl storage tank to prevent any further release while repair & P&A options were discussed. Samples of the surrounding soil and water were collected. Soil samples revealed elevated levels of BTEX and while digging to install new lines historic contamination was encountered. Clean up is still in progress.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC 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>Kim Champlin</i>	OIL CONSERVATION DIVISION	
Printed Name: Kim Champlin	Approved by District Supervisor: <i>Bob Bell</i>	For: CP
Title: Sr. Environmental Representative	Approval Date: 10-7-09	Expiration Date:
E-mail Address: Kim_Champlin@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 09/23/09 Phone: 505-333-3100		

* Attach Additional Sheets If Necessary

Incident # **nRMD 0928052971**



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	XTO Energy	Project #:	98031-0121
Sample ID:	Cathodic Well	Date Reported:	09-14-09
Laboratory Number:	51602	Date Sampled:	09-11-09
Chain of Custody No:	7705	Date Received:	09-11-09
Sample Matrix:	Soil	Date Extracted:	09-11-09
Preservative:	Cool	Date Analyzed:	09-14-09
Condition:	Intact	Analysis Requested:	8015 TPH

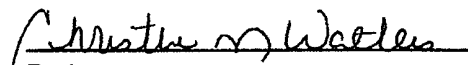
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	189	0.2
Diesel Range (C10 - C28)	70.6	0.1
Total Petroleum Hydrocarbons	260	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Masden #1 Cathodic Well**


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO Energy	Project #:	98031-0121
Sample ID:	Cathodic Well	Date Reported:	09-14-09
Laboratory Number:	51602	Date Sampled:	09-11-09
Chain of Custody:	7705	Date Received:	09-11-09
Sample Matrix:	Soil	Date Analyzed:	09-14-09
Preservative:	Cool	Date Extracted:	09-11-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	104	0.9
Toluene	863	1.0
Ethylbenzene	916	1.0
p,m-Xylene	5,700	1.2
o-Xylene	1,440	0.9
Total BTEX	9,020	

ND - Parameter not detected at the stated detection limit.

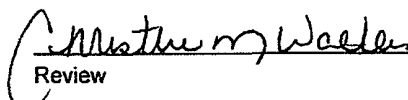
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Masden #1 Cathodic Well


Analyst


Review



pH analysis

Client:	XTO Energy	Project #:	98031-0121
Sample ID:	Cathodic Well H2O	Date Reported:	09-14-09
Laboratory Number:	51603	Date Sampled:	09-11-09
Chain of Custody:	7705	Date Received:	09-11-09
Sample Matrix:	Aqueous	Date Extracted:	N/A
Preservative:		Date Analyzed:	09-11-09
Condition:	Drinking Water Bottle		

Parameter	Analytical Result	Units
pH	6.95	su

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

Comments: Masden #1 Cathodic Well.

Analyst

Review



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	09-14-09 QA/QC	Date Reported:	09-14-09
Laboratory Number:	51583	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-14-09
Condition:	N/A	Analysis Requested:	TPH

	Lab Date	Lab Ref	C-Cal Ref	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	1.0738E+003	1.0742E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0788E+003	1.0792E+003	0.04%	0 - 15%

Blank Conc (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

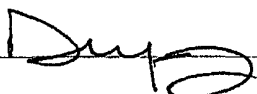
Duplicate Conc (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

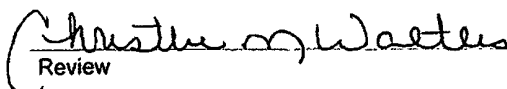
Spike Conc (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	248	99.2%	75 - 125%
Diesel Range C10 - C28	ND	250	257	103%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 51583, 51595, 51598, 51600 - 51602, and 51604.

Analyst 

Review 



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	09-14-BT QA/QC	Date Reported:	09-14-09
Laboratory Number:	51544	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-14-09
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	LC-MS/MS	GC-MS/MS	% Diff	Blank Conc	Detect Limit
		Accept. Range 0 - 15%			
Benzene	1.8236E+006	1.8273E+006	0.2%	ND	0.1
Toluene	1.7351E+006	1.7386E+006	0.2%	ND	0.1
Ethylbenzene	4.0868E+006	4.0949E+006	0.2%	ND	0.1
p,m-Xylene	4.0868E+006	4.0949E+006	0.2%	ND	0.1
o-Xylene	1.5085E+006	1.5115E+006	0.2%	ND	0.1

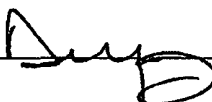
Duplicate Conc. (ug/Kg)	Sample	Duplicate	% Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	3.5	3.3	5.7%	0 - 30%	1.0
Ethylbenzene	1.5	1.4	6.7%	0 - 30%	1.0
p,m-Xylene	4.9	4.6	6.1%	0 - 30%	1.2
o-Xylene	2.0	1.9	5.0%	0 - 30%	0.9

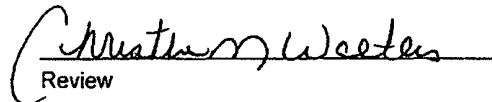
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	47.4	94.8%	39 - 150
Toluene	3.5	50.0	51.2	95.7%	46 - 148
Ethylbenzene	1.5	50.0	47.8	92.8%	32 - 160
p,m-Xylene	4.9	100	101	96.4%	46 - 148
o-Xylene	2.0	50.0	48.8	93.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 51544, 51545, 51578, 51579, 51583, 51598, 51599, 51601, 51602, and 51604.

Analyst 

Review 

CHAIN OF CUSTODY RECORD

7705 *Rust*

Client: XTO ENERGY			Project Name / Location: MASDEN #1 CATHODIC WELL				ANALYSIS / PARAMETERS													
Client Address: 382 ROAD 3100 AZTEC, NM. 87410			Sampler Name: KURT				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE	PH	Sample Cool	Sample Intact	
Client Phone No.: 333-3207			Client No.: 98031-0121																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl ₂ HCl														
CATHODIC WELL	9/11	4:15	51602	Soil Solid	Sludge Aqueous	(1) 4oz Jar				X	X								<input checked="" type="checkbox"/>	
				Soil Solid	Sludge Aqueous															
H₂O CATHODIC WELL	9/11	4:00	51603	Soil Solid	Sludge Aqueous	1											X		<input checked="" type="checkbox"/>	
				Soil Solid	Sludge Aqueous												<i>Came in H₂O bottle</i>			
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
Relinquished by: (Signature) <i>Kurt Hoekstra</i>						Date	Time	Received by: (Signature) <i>[Signature]</i>						Date	Time					
						9/11	4:30							9/11/09	1630					
Relinquished by: (Signature)								Received by: (Signature)												
Relinquished by: (Signature)								Received by: (Signature)												

Please call Kurt w/ Verbals

envirotech
Analytical Laboratory

E-MAIL RESULTS TO:

Kim Champlin

Kurt Hoekstra

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com