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

API 30-045-33778

OPERATOR

☐ Initial Report X Final Report

Name of Company: XTO Energy Inc	Contact: Lisa Winn
Address: 2700 Farmington Ave, Bldg. K, Ste. 1 Farmington, NM 87401	Telephone No.: (505) 566-7942
Facility Name: CA McAdams D #2G	Facility Type: Gas Well

Surface Owner BLM	Mineral Owner: BLM	Lease No.: NMSF077941A

RCVD FEB13'07
OIL CONS. DIV.
DIST. 3

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	20	27N	10W	930	North	1307	East	San Juan

Latitude 36.565444 **Longitude** 107.9317500

NATURE OF RELEASE

Type of Release. Mixture of fresh water and produced water	Volume of Release ~ 100 BBLS	Volume Recovered ~ 100 BBLS
Source of Release Reserve Pit	Date and Hour of Occurrence. 01/28/2007 – time unknown	Date and Hour of Discovery. 01/28/2007 11 30 AM
Was Immediate Notice Given? X Yes ☐ No ☐ Not Required	If YES, To Whom? Brandon Powell- NMOCD, Mark Kelly – BLMFFO, Sherry Landon – BLMFFO, Deanna Cummings – USACE	
By Whom? Lisa Winn	Date and Hour 01/28/2007 approximately 4:00 pm	
Was a Watercourse Reached? X Yes ☐ No	If YES, Volume Impacting the Watercourse Approximately 100 BBLS	

If a Watercourse was Impacted, Describe Fully * A mixture of fresh water and production water held in the reserve pit was used to drill the CA McAdams D #2G natural gas well During the late morning, the rig crew observed cloudy water seeping from the slope under the fill portion of the pad and running into a nearby unnamed dry wash The water traveled approximately one-half mile down the wash There were no hydrocarbons observed on the reserve pit or in the wash Emergency containment berms were constructed impacting approximately 0 01 acres of the wash

Describe Cause of Problem and Remedial Action Taken * A breach in the reserve pit liner caused a discharge of liquids from the pit Three berms were constructed within the wash to contain the liquids Two berms were constructed at the furthest point down stream to contain the liquids released to the wash The third berm was constructed near the point of discharge to keep the discharge localized, minimize additional impacts and provide a point for collection. The berms were successful in containing liquids and water trucks were used to keep the water collected until the discharge was stopped

Describe Area Affected and Cleanup Action Taken * Upon the discovery of the leak in the pit liner, drilling was immediately stopped and emergency arrangements for evacuating the pit contents were made The liquids from the reserve pit were evacuated by 01/29/2007 and the discharge ceased There were no hydrocarbons observed on/in the reserve pit, in the wash or used in the drilling fluids A third party contractor was hired to collect samples of the alluvium within the impacted areas Four samples were collected, three samples along the impacted portions of the wash and one background sample The soil samples were submitted to an environmental laboratory for analysis of major cations and anions, results attached The contents of the pit were removed and transported for offsite disposal at an approved NMOCD facility The liner was removed and the pit was backfilled with clean fill The remainder of the drilling operations will be conducted using a closed loop drilling system

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 Lisa Winn	OIL CONSERVATION DIVISION
Printed Name: Lisa Winn	Approved by District Supervisor Brandon Powell For: Charlie Perrin
Title Environmental Coordinator	Approval Date: 2-13-07 Expiration Date
E-mail Address. Lisa_Winn@xtoenergy.com	Conditions of Approval. Attached ☐
Date 02/12/07 Phone: 505-324-1090	

* Attach Additional Sheets If Necessary

nBP0711034260

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	Background	Date Reported:	01-31-07
Laboratory Number:	39872	Date Sampled:	01-29-07
Chain of Custody:	14735	Date Received:	01-30-07
Sample Matrix:	Soil Extract	Date Extracted:	01-30-07
Preservative:	Cool	Date Analyzed:	01-31-07
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
pH	**8.86**	s.u.		
Conductivity @ 25° C	**224**	umhos/cm		
Total Dissolved Solids @ 180C	**144**	mg/L		
Total Dissolved Solids (Calc)	**143**	mg/L		
SAR	**5.2**	ratio		
Total Alkalinity as CaCO3	**21.2**	mg/L		
Total Hardness as CaCO3	**13.4**	mg/L		
Bicarbonate as HCO3	**21.2**	mg/L	0.35	meq/L
Carbonate as CO3	**<0.1**	mg/L	0.00	meq/L
Hydroxide as OH	**<0.1**	mg/L	0.00	meq/L
Nitrate Nitrogen	**2.20**	mg/L	0.04	meq/L
Nitrite Nitrogen	**0.014**	mg/L	0.00	meq/L
Chloride	**2.0**	mg/L	0.06	meq/L
Fluoride	**<0.01**	mg/L	0.00	meq/L
Phosphate	**11.7**	mg/L	0.37	meq/L
Sulfate	**65.1**	mg/L	1.36	meq/L
Iron	**0.066**	mg/L	0.00	meq/L
Calcium	**5.36**	mg/L	0.27	meq/L
Magnesium	**<0.01**	mg/L	0.00	meq/L
Potassium	**<0.01**	mg/L	0.00	meq/L
Sodium	**43.6**	mg/L	1.90	meq/L
Cations			2.17	meq/L
Anions			2.16	meq/L
Cation/Anion Difference			**0.08%**	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **C. A. McAdams D #2G**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	Source	Date Reported:	01-31-07
Laboratory Number:	39873	Date Sampled:	01-29-07
Chain of Custody:	14735	Date Received:	01-30-07
Sample Matrix:	Soil Extract	Date Extracted:	01-30-07
Preservative:	Cool	Date Analyzed:	01-31-07
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
pH	**9.98**	s.u.		
Conductivity @ 25° C	**1,090**	umhos/cm		
Total Dissolved Solids @ 180C	**676**	mg/L		
Total Dissolved Solids (Calc)	**669**	mg/L		
SAR	**25.3**	ratio		
Total Alkalinity as CaCO3	**46.8**	mg/L		
Total Hardness as CaCO3	**16.0**	mg/L		
Bicarbonate as HCO3	**46.8**	mg/L	0.77	meq/L
Carbonate as CO3	**<0.1**	mg/L	0.00	meq/L
Hydroxide as OH	**<0.1**	mg/L	0.00	meq/L
Nitrate Nitrogen	**0.70**	mg/L	0.01	meq/L
Nitrite Nitrogen	**<0.001**	mg/L	0.00	meq/L
Chloride	**142**	mg/L	4.01	meq/L
Fluoride	**<0.01**	mg/L	0.00	meq/L
Phosphate	**29.9**	mg/L	0.94	meq/L
Sulfate	**228**	mg/L	4.75	meq/L
Iron	**0.254**	mg/L	0.01	meq/L
Calcium	**6.40**	mg/L	0.32	meq/L
Magnesium	**<0.01**	mg/L	0.00	meq/L
Potassium	**1.09**	mg/L	0.03	meq/L
Sodium	**233**	mg/L	10.11	meq/L
Cations			10.47	meq/L
Anions			10.48	meq/L
Cation/Anion Difference			**0.05%**	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments. **C. A. McAdams D #2G**

Christine M Walters
Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	Midpoint	Date Reported:	01-31-07
Laboratory Number:	39874	Date Sampled:	01-29-07
Chain of Custody:	14735	Date Received:	01-30-07
Sample Matrix:	Soil Extract	Date Extracted:	01-30-07
Preservative:	Cool	Date Analyzed:	01-31-07
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
pH	**9.64**	s.u.		
Conductivity @ 25° C	**486**	umhos/cm		
Total Dissolved Solids @ 180C	**318**	mg/L		
Total Dissolved Solids (Calc)	**302**	mg/L		
SAR	**16.1**	ratio		
Total Alkalinity as CaCO3	**28.0**	mg/L		
Total Hardness as CaCO3	**7.6**	mg/L		
Bicarbonate as HCO3	**28.0**	mg/L	0.46	meq/L
Carbonate as CO3	**<0.1**	mg/L	0.00	meq/L
Hydroxide as OH	**<0.1**	mg/L	0.00	meq/L
Nitrate Nitrogen	**0.50**	mg/L	0.01	meq/L
Nitrite Nitrogen	**0.009**	mg/L	0.00	meq/L
Chloride	**76.0**	mg/L	2.14	meq/L
Fluoride	**0.08**	mg/L	0.00	meq/L
Phosphate	**6.1**	mg/L	0.19	meq/L
Sulfate	**92.0**	mg/L	1.92	meq/L
Iron	**0.094**	mg/L	0.00	meq/L
Calcium	**3.04**	mg/L	0.15	meq/L
Magnesium	**<0.01**	mg/L	0.00	meq/L
Potassium	**5.29**	mg/L	0.14	meq/L
Sodium	**102**	mg/L	4.44	meq/L
Cations			4.73	meq/L
Anions			4.72	meq/L
Cation/Anion Difference			**0.08%**	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **C. A. McAdams D #2G**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	Terminus Dam	Date Reported:	01-31-07
Laboratory Number:	39875	Date Sampled:	01-29-07
Chain of Custody:	14735	Date Received:	01-30-07
Sample Matrix:	Soil Extract	Date Extracted:	01-30-07
Preservative:	Cool	Date Analyzed:	01-31-07
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
pH	**9.66**	s.u.		
Conductivity @ 25° C	**515**	umhos/cm		
Total Dissolved Solids @ 180C	**346**	mg/L		
Total Dissolved Solids (Calc)	**354**	mg/L		
SAR	**17.9**	ratio		
Total Alkalinity as CaCO3	**35.6**	mg/L		
Total Hardness as CaCO3	**8.8**	mg/L		
Bicarbonate as HCO3	**35.6**	mg/L	0.58	meq/L
Carbonate as CO3	**<0.1**	mg/L	0.00	meq/L
Hydroxide as OH	**<0.1**	mg/L	0.00	meq/L
Nitrate Nitrogen	**0.80**	mg/L	0.01	meq/L
Nitrite Nitrogen	**<0.001**	mg/L	0.00	meq/L
Chloride	**73.0**	mg/L	2.06	meq/L
Fluoride	**0.30**	mg/L	0.02	meq/L
Phosphate	**6.3**	mg/L	0.20	meq/L
Sulfate	**126**	mg/L	2.62	meq/L
Iron	**0.053**	mg/L	0.00	meq/L
Calcium	**3.52**	mg/L	0.18	meq/L
Magnesium	**<0.01**	mg/L	0.00	meq/L
Potassium	**0.46**	mg/L	0.01	meq/L
Sodium	**122**	mg/L	5.31	meq/L
Cations			5.50	meq/L
Anions			5.49	meq/L
Cation/Anion Difference			**0.04%**	

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