

District I
1825 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

30 045 24566

OPERATOR

Initial Report ☒ Final Report

Name of Company XTO Energy Inc.	Contact Jeff Clement / Brenda Waller
Address 2700 Farmington Avenue Bldg. K Farmington, NM	Telephone No. 505) 324-1090
Facility Name Fullerton Federal # 5E	Facility Type Wellsite/Production

Surface Owner Federal	Mineral Owner Federal	Lease No. NM SF 078094
-----------------------	-----------------------	------------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	15	27 N	11 W	1120	South	1120	East	San Juan, New Mexico

Latitude 36.57098 Longitude 107.98544

NATURE OF RELEASE

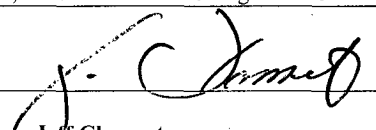
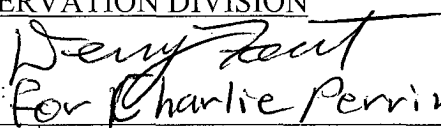
Type of Release Oil, produced water and associated well fluids	Volume of Release est. 53 bbls. oil, 53bbls. water	Volume Recovered Zero bbls. recovered
Source of Release 2" malleable 90 connection & drain valve/ off of the oil production tank	Date and Hour of Occurrence Est. 12/29/04 2:00 am	Date and Hour of Discovery 12/30/04 2:30 pm
Was Immediate Notice Given? Required X <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not	If YES, To Whom? Denny Foust	
By Whom? Blagg Engineering	Date and Hour 12/30/04 4:15 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes X <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
A Water Course was not impacted by this release.

Describe Cause of Problem and Remedial Action Taken.* ☐ A 2" malleable 90 degree connection and 2" ball valve froze and broke after extreme frigid temperatures. Upon rapid afternoon warming is when the release of oil and produced water occurred. It has been recognized that these valves and related production equipment cannot handle the freezing temperatures. Recognition of this and existing equipment has been set into place and replacement to non-freeze valves and connections are in the process.

Describe Area Affected and Cleanup Action Taken.* ☐ The bottom of the pit tank was the recipient of the loss of oil and produced water. The oil and produced water leached into the ground at this point. Testing by Blagg Engineering as to how far the fluid spread underground is in process. A full excavation of the affected area is expected with on-site landfarming. Tested and approved soil will then be brought in to replace the soil that will be landfarmed. Remaining contamination will be remediated passively; utilizing perforated vent pipe 14-34 feet below grade.

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: Jeff Clement	Approved by District Supervisor:  for Charlie Perrin	
Title: Environmental & Safety Coordinator	Approval Date: 1/28/05	Expiration Date:
E-mail Address: Jeff_Clement@xtoenergy.com	Conditions of Approval: File LF tests showing standards achieved	Attached <input type="checkbox"/>
Date: 1/25/2005 Phone: 505)324-1090		

* Attach Additional Sheets If Necessary

n DG F0501037339

BLAGG ENGINEERING, INC. (BEI)

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505) 632-1199 Fax: (505) 632-3903



January 26, 2005

Mr. Denny G. Foust -Environmental Geologist
New Mexico Oil Conservation Division - (NMOCD)
1000 Rio Brazos Road
Aztec, New Mexico 87410

**RE: XTO Energy Inc. (XTO) - Fullerton Federal # 5E Spill/Release Cleanup
Unit P, SEC. 15, T27N, R11W, NMPM, San Juan County, New Mexico**

Dear Mr. Foust:

On behalf of XTO, BEI respectfully submits the attached data affiliated with the Fullerton Federal # 5E spill/release (release amount approximately 109 barrels of fluid) reported on December 30th, 2004 at approximately 4:10 pm.

Briefly summarizing the cleanup effort which took place between December 31st, 2004 and January 4th, 2005; approximately 250 cubic yards of impacted soil was removed (refer to attached Spill Closure Verification Report) and landfarmed on-site. The excavation perimeter (approximately 30 ft. diameter by 22 ft. in depth) was arbitrarily and judgmentally sampled on January 3rd, 2005 during the excavation activity. On January 7th, 2005, BEI, utilizing an Earthprobe 200 mobile drill rig, established vertical extent at approximately 34 ft. below grade (see attached Bore/Test Hole Report). It was then determined by BEI to remediate the remaining contamination passively; implementing a vertical vent pipe perforated between 14-34 feet below grade. BEI notified both XTO and NMOCD of this approach prior to the drilling.

Based upon the attached information given, XTO is requesting closure based on risk that the remaining soil contamination (between 22-34 ft. below grade) does not appear to pose a present or future threat to groundwater, health, or the environment.

The on-site landfarm will be sampled for closure after a sufficient amount of time (between 6-12 months) has passed to allow for remediation via natural attenuation. The landfarm lift is approximately 6 inches in thickness but may be as much as 1 foot due to undulations in the surface grade.

If you have any questions or comments concerning this documentation, please contact myself or Jeff Blagg at the address or phone number listed above. Thank you for your cooperation.


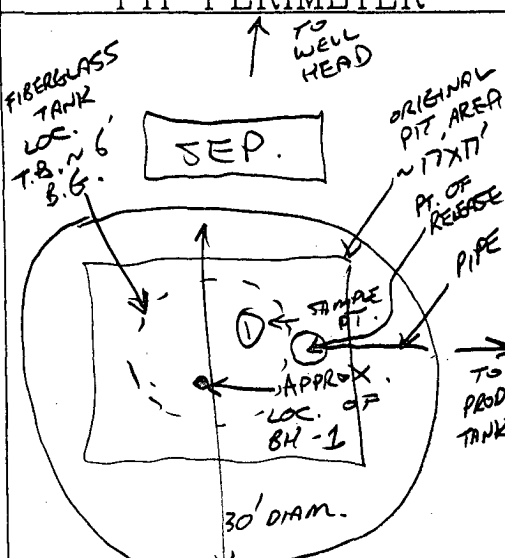
Respectfully submitted,
Blagg Engineering, Inc.

Nelson J. Velez
Staff Geologist

Attachments: Spill/Release Cleanup Documentation

xc: Mark Kelly, Petroleum Engineer - Team Lead, BLM, Farmington, NM (2 copies)
Jeff Clement, Health/Safety Environmental Coordinator, XTO, Farmington, NM

30045 24566

CLIENT: <u>XTO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: _____ C.D.C. NO: <u>N/A</u> <u>HALL</u>																																											
FIELD REPORT: SPILL CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																											
LOCATION: NAME: <u>FULLERTON FED.</u> WELL #: <u>SE</u> TYPE: <u>PROD. TANK</u> QUAD/UNIT: <u>P SEC: 15 TWP: 27N RNG: 11W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1120S/1120E</u> SEISECONTRACTOR: <u>HOI (RANDY)</u>		DATE STARTED: <u>12/30/04</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																											
EXCAVATION APPROX. <u>30</u> FT. x <u>30</u> FT. x <u>22</u> FT. DEEP. CUBIC YARDAGE: <u>250</u> DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARM</u> LAND USE: <u>RANGE - BLM</u> LEASE: <u>SF 078094</u> FORMATION: <u>DK</u>																																													
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>87</u> FT. <u>510.5W</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMOC D RANKING SCORE: <u>2</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM ELEV. - <u>6330'</u>																																													
SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: <u>PALE YEL. ORANGE</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / <u>FIRM</u> / DENSE / VERY DENSE PLASTICITY (CLAYS): <u>NON PLASTIC</u> / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): <u>SOFT</u> / FIRM / STIFF / VERY STIFF / HARD MOISTURE: <u>DRY</u> / <u>SLIGHTLY MOIST</u> / <u>MOIST</u> / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / <u>NO</u> EXPLANATION - _____ HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - _____ SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>SPILL AMOUNT</u>		OVM CALIB. READ. <u>55.5</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u> TIME: <u>11:40</u> am/pm DATE: <u>1/4/05</u>																																											
FIELD 418.1 CALCULATIONS																																													
SCALE  0 FT	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMPLE I.D.</th> <th>LAB No:</th> <th>WEIGHT (g)</th> <th>mL. FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. ppm</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																																			
SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																																						
PIT PERIMETER		PIT PROFILE																																											
		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">OVM RESULTS</th> </tr> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @ 20'</td><td>777</td></tr> <tr><td>2 @</td><td> </td></tr> <tr><td>3 @</td><td> </td></tr> <tr><td>4 @</td><td> </td></tr> <tr><td>5 @</td><td> </td></tr> <tr><td>BH-1 @ 35'-36'</td><td>3.7</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">LAB SAMPLES</th> </tr> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td>1 @ 20'</td> <td>TAH + BTEX</td> <td>11/30 1/4/05</td> </tr> <tr> <td>BH-1 @ 35'-36'</td> <td>TAH</td> <td>1/30 1/7/05</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	OVM RESULTS		SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 @ 20'	777	2 @		3 @		4 @		5 @		BH-1 @ 35'-36'	3.7							LAB SAMPLES			SAMPLE ID	ANALYSIS	TIME	1 @ 20'	TAH + BTEX	11/30 1/4/05	BH-1 @ 35'-36'	TAH	1/30 1/7/05									
OVM RESULTS																																													
SAMPLE ID	FIELD HEADSPACE PID (ppm)																																												
1 @ 20'	777																																												
2 @																																													
3 @																																													
4 @																																													
5 @																																													
BH-1 @ 35'-36'	3.7																																												
LAB SAMPLES																																													
SAMPLE ID	ANALYSIS	TIME																																											
1 @ 20'	TAH + BTEX	11/30 1/4/05																																											
BH-1 @ 35'-36'	TAH	1/30 1/7/05																																											
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE T.H. = TEST HOLE; ~ = APPROX.; B = BELOW TRAVEL NOTES: CALLOUT: _____ ONSITE: _____																																													

Hall Environmental Analysis Laboratory

Date: 11-Jan-05

CLIENT: Blagg Engineering
Lab Order: 0501019
Project: Fullerton Federal #5E
Lab ID: 0501019-01

Client Sample ID: 1 @ 20'-Spill clean up
Collection Date: 1/3/2005 11:20:00 AM

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	2300	100		mg/Kg	10	1/11/2005 6:18:34 AM
Motor Oil Range Organics (MRO)	540	500		mg/Kg	10	1/11/2005 6:18:34 AM
Surr: DNOP	0	60-124	S	%REC	10	1/11/2005 6:18:34 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	5000	250		mg/Kg	50	1/6/2005 9:58:14 AM
Surr: BFB	127	78.3-120	S	%REC	50	1/6/2005 9:58:14 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	8.0	1.3		mg/Kg	50	1/6/2005 9:58:14 AM
Toluene	140	1.3		mg/Kg	50	1/6/2005 9:58:14 AM
Ethylbenzene	53	1.3		mg/Kg	50	1/6/2005 9:58:14 AM
Xylenes, Total	400	1.3		mg/Kg	50	1/6/2005 9:58:14 AM
Surr: 4-Bromofluorobenzene	140	87.4-116	S	%REC	50	1/6/2005 9:58:14 AM

TOTAL TPH = 7,840 ppm

TOTAL BTEX = 601 ppm

AS 1/24/05

REGULATORY STAND.

5,000 ppm

50 ppm

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 17-Jan-05

CLIENT: Blagg Engineering
Lab Order: 0501062
Project: Fullerton Federal #5E
Lab ID: 0501062-01

Client Sample ID: BH-1 @ 35-36' Spill Cleanup
Collection Date: 1/7/2005 1:30:00 PM

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/15/2005 1:10:56 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/15/2005 1:10:56 AM
Surr: DNOP	92.2	60-124		%REC	1	1/15/2005 1:10:56 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/12/2005 7:18:23 PM
Surr: BFB	103	78.3-120		%REC	1	1/12/2005 7:18:23 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range