

District I
1625 N French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM 87504

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised March 17, 1999

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87504

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

30 045 06222

OPERATOR

☒ Final Report

☐ Initial Report

Name of Company XTO ENERGY	Contact Jeff Woolley
Address 2700 Farmington Ave. Bldg K, Ste 1 Farmington, NM 87401	Telephone No. 505-324-1090
Facility Name Jack Frost B #1	Facility Type Oil & gas well with tank battery

Surface Owner BLM	Mineral Owner BLM	Lease No. NMSF077951A
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LOCATION OF RELEASE

Unit Letter P	Section 27	Township 27N	Range 10W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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NATURE OF RELEASE

Type of Release Oil spill	Volume of Release 230 bbls	Volume Recovered 38 bbls
Source of Release Oil stock tank	Date and Hour of Occurrence Early a.m. 11/27/01	Date and Hour of Discover 11.00 a.m. 11/27/01
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Denny Foust - NMOCD	
By Whom? Jeff Woolley	Date and Hour 12:00 p.m. 11/27/01	
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 3" tank load sales line and valve appeared to have been vandalized and broken off at the sales valve. A new valve and load line were installed.

Describe Area Affected and Cleanup Action Taken * The spill was contained inside the berm area and we were able to recover 38 bbls of oil. The remainder of the oil went into the ground. Excavation and soil sampling began 11/28/01 around the stock tank and inside the berm area. The soil was replaced with clean soil and landfirmed the contaminated soil. A ditch was dug on the south end of the tank battery to bedrock at approximately two (2') feet below ground level. Liquid fertilizer was applied to the ditch & the ground surface on the north end of the tank battery.

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.

OIL CONSERVATION DIVISION

Signature *Jeff A. Woolley*

Printed Name Jeff A. Woolley

Title Production Foreman

Date 11/29/01

Phone 505-324-1090

Approved by *Denny Foust*
District Supervisor *for Frank Chavez*

Approval Date 12/11/01

Expiration Date

Conditions of Approval

☐ Attached

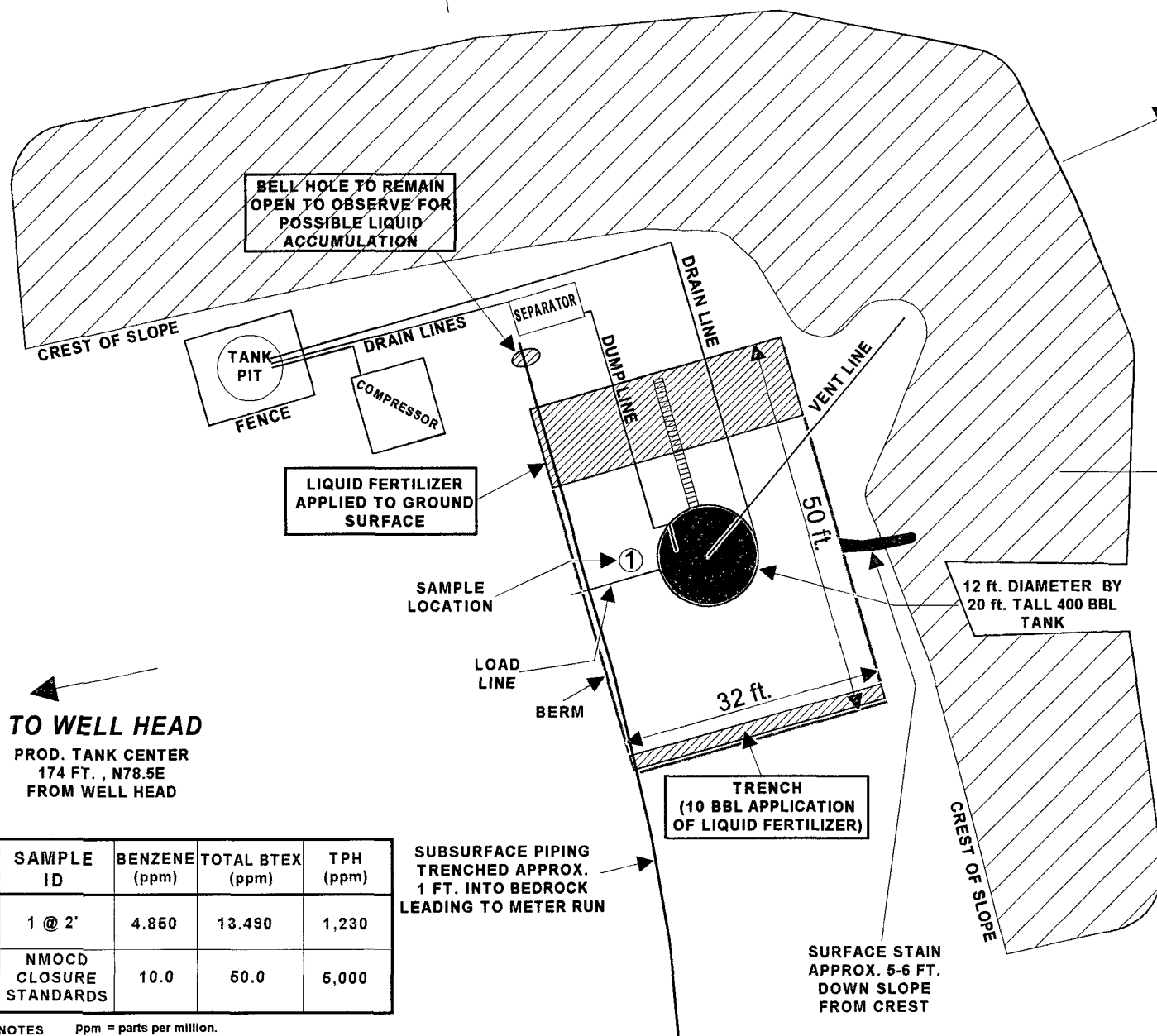
* Attach Additional Sheets If Necessary

N DG-F0 B3 149067

FIGURE 1



DOWN SLOPE
DIRECTION



TO WELL HEAD

PROD. TANK CENTER
174 FT., N78.5E
FROM WELL HEAD

SAMPLE ID	BENZENE (ppm)	TOTAL BTEX (ppm)	TPH (ppm)
1 @ 2'	4,860	13,490	1,230
NMOC D CLOSURE STANDARDS	10.0	60.0	6,000

SUBSURFACE PIPING
TRENCHED APPROX.
1 FT. INTO BEDROCK
LEADING TO METER RUN

NOTES ppm = parts per million.
BTEX = benzene, toluene, ethylbenzene, & total xylenes
US EPA method 8021B
TPH = total petroleum hydrocarbon US EPA method 8015B
NMOC D = New Mexico Oil Conservation Division

SCHEMATIC IS ONLY AS ACCURATE AS THE
INSTRUMENTS USED IN OBTAINING THE FOOTAGE
AND BEARING FROM THE WELL HEAD (BRUNTON
COMPASS, LASER RANGE FINDER, & TAPE MEASURE)
ALL OTHER DIMENSIONS NOT LABELED ARE SOLELY
FOR REFERENCE AND MAY NOT BE TO SCALE

NOTES: 1) BEDROCK (SANDSTONE) EXPOSED @ APPROX. 2 FT. BELOW GRADE
(PALE YELL. BROWN IN COLOR).

2) GROUND SURFACE INSIDE BERM AREA BLACKENED BY OIL/PARAFFIN.

3) SUBSURFACE SOIL NOT DISCOLORED BUT CONTAINED STRONG
HYDROCARBON ODOR (DARK YELL. ORANGE TO MOD. YELL.
BROWN IN COLOR).

XTO ENERGY, INC.

JACK FROST B # 1

SE/4 SE/4 SEC. 27, T27N, R10W, NMPM

SAN JUAN COUNTY, NEW MEXICO

B LAGG ENGINEERING, INC.

CONSULTING PETROLEUM / RECLAMATION SERVICES

P.O. BOX 87

BLOOMFIELD, NEW MEXICO 87413

PHONE (505) 632-1199

PROJECT SPILL INVESTIGATION

DRAWN BY NJV

FILENAME J-FROST B1 SKF

DATE DRAWN. 11/29/01

SITE
MAP

11/28/01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons


Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 2'	Date Reported:	11-29-01
Laboratory Number:	21564	Date Sampled:	11-28-01
Chain of Custody No:	9442	Date Received:	11-28-01
Sample Matrix:	Soil	Date Extracted:	11-29-01
Preservative:	Cool	Date Analyzed:	11-29-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

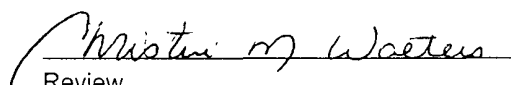
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,150	0.2
Diesel Range (C10 - C28)	78.3	0.1
Total Petroleum Hydrocarbons	1,230	0.2

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: Frost, Jack B #1 Tank Spill Grab Sample.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 2'	Date Reported:	11-29-01
Laboratory Number:	21564	Date Sampled:	11-28-01
Chain of Custody:	9442	Date Received:	11-28-01
Sample Matrix:	Soil	Date Analyzed:	11-29-01
Preservative:	Cool	Date Extracted:	11-29-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	4,850	1.8
Toluene	1,790	1.7
Ethylbenzene	2,300	1.5
p,m-Xylene	1,910	2.2
o-Xylene	2,640	1.0
Total BTEX	13,490	

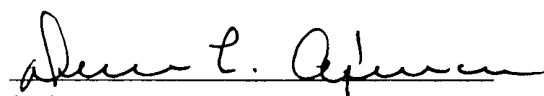
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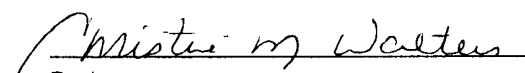
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97 %
	1,4-difluorobenzene	97 %
	Bromochlorobenzene	97 %

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: Frost, Jack B #1 Tank Spill Grab Sample.


Analyst


Review

CHAIN OF CUSTODY RECORD

09442

Client / Project Name <i>BLAGG / XTO ENERGY</i>			Project Location <i>TANK SPILL FROST, JACK B #1</i>		ANALYSIS / PARAMETERS										
Sampler: <i>NJV</i>			Client No. <i>94034-010</i>		No. of Containers <i>1</i>	TPH <i>(8015)</i>	BTEX <i>(801)</i>					Remarks			
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								GRAB SAMPLE			
<i>① @ 2'</i>	<i>11/28/01</i>	<i>1320</i>	<i>21564</i>	<i>5012</i>											
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>11/28/01</i>	Time <i>1403</i>	Received by: (Signature) <i>[Signature]</i>			Date <i>11-28-01</i>	Time <i>1403</i>						
Relinquished by: (Signature)					Received by: (Signature)										
Relinquished by: (Signature)					Received by: (Signature)										
<div style="text-align: center;"> ENVIROTECH INC. <hr/> 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615 </div>											Sample Receipt				
												Y	N	N/A	
											Received Intact	<input checked="" type="checkbox"/>			
											Cool - Ice/Blue Ice	<input checked="" type="checkbox"/>			

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	11-29-TPH QA/QC	Date Reported:	11-29-01
Laboratory Number:	21564	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-29-01
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	08-22-01	1.2571E-002	1.2559E-002	0.10%	0 - 15%
Diesel Range C10 - C28	08-22-01	8.3733E-003	8.3565E-003	0.20%	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

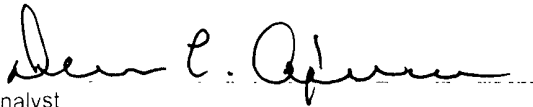
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	1,150	1,140	0.9%	0 - 30%
Diesel Range C10 - C28	78.3	78.1	0.3%	0 - 30%

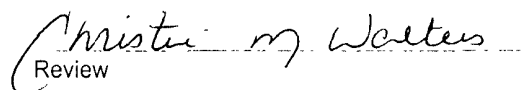
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	1,150	250	1,400	100.0%	75 - 125%
Diesel Range C10 - C28	78.3	250	328	99.8%	75 - 125%

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 sample 21564.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	11-29-BTEX QA/QC	Date Reported:	11-29-01
Laboratory Number:	21564	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-29-01
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect. Limit
		Accept Range	0 - 15%		
Benzene	1.7143E-001	1.7195E-001	0.3%	ND	0.2
Toluene	9.4693E-002	9.4883E-002	0.2%	ND	0.2
Ethylbenzene	1.2284E-001	1.2321E-001	0.3%	ND	0.2
p,m-Xylene	1.0810E-001	1.0843E-001	0.3%	ND	0.2
o-Xylene	9.2106E-002	9.2290E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	4,850	4,780	1.4%	0 - 30%	1.8
Toluene	1,790	1,760	1.7%	0 - 30%	1.7
Ethylbenzene	2,300	2,250	2.2%	0 - 30%	1.5
p,m-Xylene	1,910	1,880	1.6%	0 - 30%	2.2
o-Xylene	2,640	2,610	1.1%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	4,850	50.0	4,880	99.6%	39 - 150
Toluene	1,790	50.0	1,830	99.5%	46 - 148
Ethylbenzene	2,300	50.0	2,340	99.6%	32 - 160
p,m-Xylene	1,910	100	2,000	99.5%	46 - 148
o-Xylene	2,640	50.0	2,680	99.6%	46 - 148

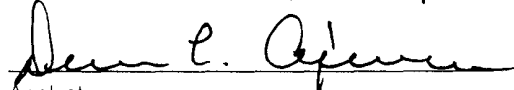
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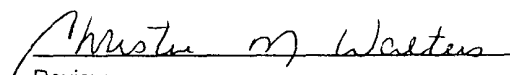
References

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 sample 21564.


Analyst


Review