

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

State of New Mexico  
Energy Minerals and Natural Resources

Form C-144  
June 1, 2004

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: **XTO ENERGY INC.** Telephone: **(505)-324-1090** e-mail address: \_\_\_\_\_  
Address: **2700 FARMINGTON AVE., BLDG. K. SUITE 1. FARMINGTON, NM 87401**  
Facility or well name: **CANYON #8** API #: **30-045-21384** U/L or Qtr/Qtr **G** Sec **14** T **25N** R **11W**  
County: **SAN JUAN** Latitude **36.40377** Longitude **107.97312** NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☐ State ☐ Private ☐ Indian ☒

**Pit**

Type: Drilling ☐ Production ☒ Disposal ☐ **SEPARATOR**  
Workover ☐ Emergency ☐  
Lined ☐ Unlined ☒  
Liner type: Synthetic ☐ Thickness \_\_\_\_\_ mil Clay ☐  
Pit Volume \_\_\_\_\_ bbl

**Below-grade tank**

Volume: \_\_\_\_\_ bbl Type of fluid: \_\_\_\_\_  
Construction material: **NA**  
Double-walled, with leak detection? Yes ☐ If not, explain why not.

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet

(20 points)

50 feet or more, but less than 100 feet

(10 points)

100 feet or more

(0 points)

**0**

Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)

Yes

(20 points)

No

(0 points)

**0**

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet

(20 points)

200 feet or more, but less than 1000 feet

(10 points)

1000 feet or more

(0 points)

**0**

**Ranking Score (Total Points)**

**0**

**If this is a pit closure:** (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility \_\_\_\_\_. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: **PIT LOCATED APPROXIMATELY 90 FT. N7W FROM WELL HEAD.**

**PIT EXCAVATION: WIDTH NA ft., LENGTH NA ft., DEPTH NA ft.**

**PIT REMEDIATION: CLOSE AS IS: ☒, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☐, OTHER ☐ (explain)**

**Cubic yards: NA**

**BEDROCK BOTTOM.**

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an alternative OCD-approved plan ☒.

Date: **5/02/05**

Printed Name/Title **Jeff Blagg - P.E. # 11607**

Signature

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.


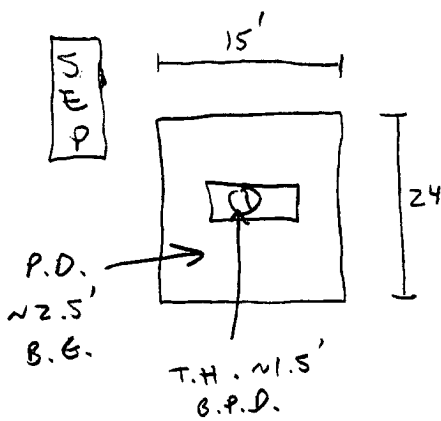
Approval: **DEPUTY OIL & GAS INSPECTOR, DIST. 4**

Printed Name/Title

Signature

Date:

**MAY 30 2006**

CLIENT: <u>XTO</u>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	LOCATION NO: <u>CT171</u> COCR NO: <u>13867</u>																																																											
<b>FIELD REPORT: PIT CLOSURE VERIFICATION</b>		PAGE No: <u>1</u> of <u>1</u>																																																											
LOCATION: NAME: <u>CANYON</u> WELL #: <u>8</u> TYPE: <u>SEP.</u> QUAD/UNIT: <u>G SEC: 14 TWP: 25N RING: 11W PM: N/M CNTY: JT ST: NM</u> QTR/FOOTAGE: <u>1650'N/2508'E SW/NE</u> CONTRACTOR: <u>HDI (HEBER)</u>		DATE STARTED: <u>4/29/05</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																																											
EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>NA</u>																																																													
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>CLOSE AS IS</u>																																																													
LAND USE: <u>RANGE - NAVAJO</u> LEASE: <u>N00-C-14-20-3616</u> FORMATION: <u>DK</u>																																																													
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>90</u> FT. <u>N7W</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>&gt;100'</u> NEAREST WATER SOURCE: <u>&gt;1,000'</u> NEAREST SURFACE WATER: <u>&gt;1,000'</u> NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5,000</u> PPM																																																													
SOIL AND EXCAVATION DESCRIPTION: ELEV. - <u>6490'</u> <div style="float: right; border: 1px solid black; padding: 2px; width: fit-content;">           OVM CALIB. READ. = <u>51.5</u> ppm (CHECK)            OVM CALIB. GAS = <u>100</u> ppm RF = 0.52            TIME: <u>1:43</u> am/pm DATE: <u>4/29/05</u> </div>																																																													
SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SANDSTONE)</u> SOIL COLOR: <u>MED. GRAY TO BLACK</u> <u>BEDROCK - MED. GRAY TO BLACK</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: DRY / <u>SLIGHTLY MOIST</u> / <u>MOIST</u> / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - _____ HC ODOR DETECTED: YES / NO EXPLANATION - _____ SAMPLE TYPE: <u>GRAB</u> COMPOSITE - # OF PTS. <u>1</u> ADDITIONAL COMMENTS: <u>COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - VERY HARD,</u> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <u>BEDROCK BOTTOM</u> </div> <u>SLIGHTLY FRIABLE TO COMPETENT.</u>																																																													
FIELD 418.1 CALCULATIONS																																																													
SCALE  0 FT	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMP. ID</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	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																																																			
SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																																																						
<b>PIT PERIMETER</b>  <p>P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW          T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM</p>	<b>OVM READING</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @ 4'</td><td>648</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> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> <b>LAB SAMPLES</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td>1 @ 4'</td><td>PH (80158)</td><td>1533</td></tr> <tr><td>"</td><td>BTX (80218)</td><td>"</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> <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> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block; margin-top: 10px;"> <b>PROSED</b> </div>	SAMPLE ID	FIELD HEADSPACE (ppm)	1 @ 4'	648	2 @		3 @		4 @		5 @																						SAMPLE ID	ANALYSIS	TIME	1 @ 4'	PH (80158)	1533	"	BTX (80218)	"																			<b>PIT PROFILE</b> <p style="font-size: 1.5em; margin-top: 50px;">NOT APPLICABLE</p>
SAMPLE ID	FIELD HEADSPACE (ppm)																																																												
1 @ 4'	648																																																												
2 @																																																													
3 @																																																													
4 @																																																													
5 @																																																													
SAMPLE ID	ANALYSIS	TIME																																																											
1 @ 4'	PH (80158)	1533																																																											
"	BTX (80218)	"																																																											
TRAVEL NOTES: CALLOUT: <u>4/29/05 - MORN.</u> ONSITE: <u>4/29/05 - AFTER.</u>																																																													

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

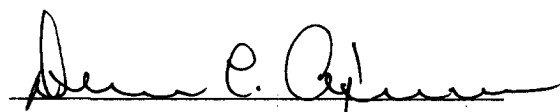
Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 4'	Date Reported:	05-02-05
Laboratory Number:	32853	Date Sampled:	04-29-05
Chain of Custody No:	13867	Date Received:	05-02-05
Sample Matrix:	Soil	Date Extracted:	05-02-05
Preservative:	Cool	Date Analyzed:	05-02-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

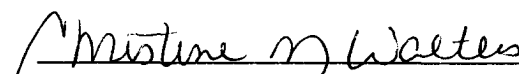
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	715	0.2
Diesel Range (C10 - C28)	156	0.1
Total Petroleum Hydrocarbons	871	0.2

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: **Canyon #8 Separator Pit 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 @ 4'	Date Reported:	05-02-05
Laboratory Number:	32853	Date Sampled:	04-29-05
Chain of Custody:	13867	Date Received:	05-02-05
Sample Matrix:	Soil	Date Analyzed:	05-02-05
Preservative:	Cool	Date Extracted:	05-02-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	194	2.1
Toluene	3,120	1.8
Ethylbenzene	2,320	1.7
p,m-Xylene	11,930	1.5
o-Xylene	4,020	2.2
Total BTEX	21,580	

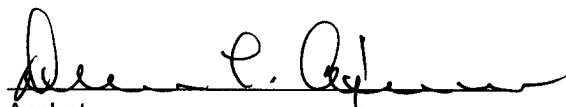
ND - Parameter not detected at the stated detection limit.

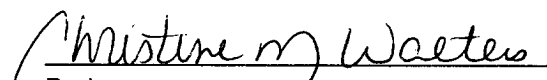
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Canyon #8 Separator Pit Grab Sample.

  
Analyst

  
Review