

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

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

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

**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: <u>XTO ENERGY INC.</u> Telephone: <u>(505)-324-1090</u> e-mail address: _____		
Address: <u>2700 FARMINGTON AVE.. BLDG. K. SUITE 1. FARMINGTON. NM 87401</u>		
Facility or well name: <u>HUN NE PAH #1</u>	API #: <u>30-045- 21214</u>	U/L or Qtr/Qtr <u>E</u> Sec <u>10</u> T <u>25N</u> R <u>11W</u>
County: <u>SAN JUAN</u> Latitude <u>36.41780</u> Longitude <u>107.99765</u>	NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/> Surface Owner Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input checked="" type="checkbox"/>	
<b>Pit</b> Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> <u>PROD TANK</u> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	<b>Below-grade tank</b> Volume: _____ bbl Type of fluid: _____ Construction material: <u>NA</u> Double-walled, with leak detection? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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) <b>0</b>
	100 feet or more	( 0 points)
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) <b>0</b>
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) <b>0</b>
	1000 feet or more	( 0 points)
<b>Ranking Score (Total Points)</b>		<b>0</b>

**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: <u>PIT LOCATED APPROXIMATELY 132 FT. S9E FROM WELL HEAD.</u>
<u>PIT EXCAVATION: WIDTH NA ft., LENGTH NA ft., DEPTH NA ft.</u>
<u>PIT REMEDIATION: CLOSE AS IS: <input checked="" type="checkbox"/>, LANDFARM: <input type="checkbox"/>, COMPOST: <input type="checkbox"/>, STOCKPILE: <input type="checkbox"/>, OTHER <input type="checkbox"/> (explain)</u>
<u>Cubic yards: NA</u>
<u>NO TPH ANALYSIS CONDUCTED</u>

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: 12/06/04

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

Signature Jeff Blagg

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:

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 8

Signature Barb Ball

Date: MAR 27 2006

30-045-21214

36.41780x107.99765

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>CT130</u> COCR NO: <u>-</u>
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**FIELD REPORT: PIT CLOSURE VERIFICATION**

LOCATION: NAME: <u>NE PAH</u> WELL #: <u>1</u> TYPE: <u>PROD. TANK</u> QUAD/UNIT: <u>E SEC: 10 TWP: 25N RNG: 11W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>1800 FNL x 800 FWL SWNW</u> CONTRACTOR: <u>HD (HEBER)</u>	PAGE No: <u>1</u> of <u>1</u> DATE STARTED: <u>12-6-04</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: NA

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS IS

LAND USE: RANGE - NAVAL (?) LEASE: NOD-C-14-20-3609 FORMATION: DK

**FIELD NOTES & REMARKS:** PIT LOCATED APPROXIMATELY 132 FT. 59E FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

**SOIL AND EXCAVATION DESCRIPTION:**

OVM CALIB. READ. = 53.1 ppm CHECK  
 OVM CALIB. GAS = 100 ppm RF = 0.52  
 TIME: 10:30 am/pm DATE: 12/6/04

SOIL TYPE: SANDY / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER \_\_\_\_\_

SOIL COLOR: DK. YEL. ORANGE

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - CLOSED

HC ODOR DETECTED: YES / NO EXPLANATION - \_\_\_\_\_

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. -

ADDITIONAL COMMENTS: NO EVIDENCE OF HC IMPACT. NO TPH ANALYSIS WAS CONDUCTED.

**SCALE**

0  FT

**FIELD 418.1 CALCULATIONS**

SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

**PIT PERIMETER**

**OVM READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 5'	0.0
2 @	
3 @	
4 @	
5 @	

**LAB SAMPLES**

SAMPLE ID	ANALYSIS	TIME

**PIT PROFILE**

NOT APPLICABLE

D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW  
T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM

**TRAVEL NOTES:** CALLOUT: 12/6/04 - MORN. ONSITE: 12/6/04 - MORN.

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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 ☒

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Address: <u>2700 FARMINGTON AVE.. BLDG. K. SUITE 1. FARMINGTON. NM 87401</u>	
Facility or well name: <u>HUN NE PAH #1</u> API #: <u>30-045- 21214</u> U/L or Qtr/Qtr <u>E</u> Sec <u>10</u> T <u>25N</u> R <u>11W</u>	
County: <u>SAN JUAN</u> Latitude <u>36.41780</u> Longitude <u>107.99765</u> NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/> Surface Owner Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input checked="" type="checkbox"/>	
<b>Pit</b> Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> <u>SEPARATOR</u> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	<b>Below-grade tank</b> Volume: _____ bbl Type of fluid: _____ Construction material: <u>NA</u> Double-walled, with leak detection? Yes <input type="checkbox"/> 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) <b>0</b> 100 feet or more ( 0 points)
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) <b>0</b>
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) <b>0</b> 1000 feet or more ( 0 points)
<b>Ranking Score (Total Points)</b> <b>0</b>	

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: <u>PIT LOCATED APPROXIMATELY 102 FT. S44E FROM WELL HEAD.</u>
<u>PIT EXCAVATION: WIDTH NA ft., LENGTH NA ft., DEPTH NA ft.</u>
<u>PIT REMEDIATION: CLOSE AS IS: <input checked="" type="checkbox"/> LANDFARM: <input type="checkbox"/> COMPOST: <input type="checkbox"/> STOCKPILE: <input type="checkbox"/> OTHER <input type="checkbox"/> (explain)</u>
Cubic yards: <u>NA</u>
<u>BEDROCK BOTTOM</u>

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: 12/08/04

Printed Name/Title Jeff Blagg – P.E. # 11607 Signature Jeff Blagg

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. 3 Signature Bushnell Date: MAR 27 2006

CLIENT: XTO

BLAGG ENGINEERING, INC.  
P.O. BOX 87, BLOOMFIELD, NM 87413  
(505) 632-1199

LOCATION NO: CT130

COCR NO: 12942

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: HW NE PAH WELL #: 1 TYPE: SEP.  
QUAD/UNIT: E SEC: 10 TWP: 25N RNG: 11W PM: NM CNTY: SJ ST: NM  
QTR/FOOTAGE: 1800'N/800'W SW/1NW CONTRACTOR: HOI (HEBER)

DATE STARTED: 12/6/04  
DATE FINISHED:  
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: NA

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS IS

LAND USE: RANGE-NAVAJO (?) LEASE: N00-C-14-20-3609 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 102 FT. 544E FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 53.1 ppm CHECK  
OVM CALIB. GAS = 100 ppm RF = 0.52  
TIME: 10:30 @/pm DATE: 12/6/04

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)  
SOIL COLOR: MICE YELL. ORANGE TO BLACK BEDROCK - LT. GRAY

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE  
CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE  
PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC  
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

DISCOLORATION/STAINING OBSERVED: YES/NO EXPLANATION - VARYING THRU OUT TEST HOLE INTERNAL (WAYS TO BACK)

HC ODOR DETECTED: YES/NO EXPLANATION - ENTIRE PIT / TEST HOLE / OVM SAMPLE.

SAMPLE TYPE: GRAB/COMPOSITE - # OF PTS. -

ADDITIONAL COMMENTS: COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - HARD  
SLIGHTLY FRIABLE. INSTRUCTED OPERATOR TO DILUTE/AERATE DOWN TO  
BEDROCK WITH PIT AREA & LEAVE IN PLACE.

SCALE

0 FT

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

PIT PERIMETER

PIT PROFILE

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 8'	349
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 8'	TPH (80158)	1020
"	STEX (80218)	"

NOT APPLICABLE

TO WELL HEAD

SEP

T.H. ~ 7'

P.D. ~ 1' B.G.

B.P.D.

P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW  
T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM

TRAVEL NOTES:

CALLOUT: 12/6/04-morn.

ONSITE: 12/6/04-morn.

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

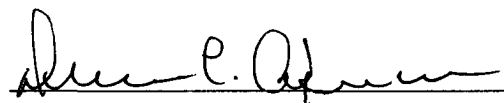
Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 8'	Date Reported:	12-08-04
Laboratory Number:	31387	Date Sampled:	12-06-04
Chain of Custody No:	12942	Date Received:	12-06-04
Sample Matrix:	Soil	Date Extracted:	12-07-04
Preservative:	Cool	Date Analyzed:	12-08-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

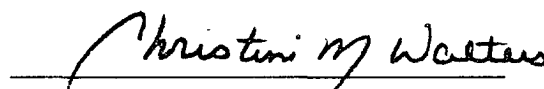
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2,270	0.2
Diesel Range (C10 - C28)	291	0.1
Total Petroleum Hydrocarbons	2,560	0.2

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: **Hun Ne Pah #1 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 @ 8'	Date Reported:	12-08-04
Laboratory Number:	31387	Date Sampled:	12-06-04
Chain of Custody:	12942	Date Received:	12-06-04
Sample Matrix:	Soil	Date Analyzed:	12-08-04
Preservative:	Cool	Date Extracted:	12-07-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	251	1.8
Toluene	702	1.7
Ethylbenzene	217	1.5
p,m-Xylene	1,110	2.2
o-Xylene	678	1.0
Total BTEX	2,960	

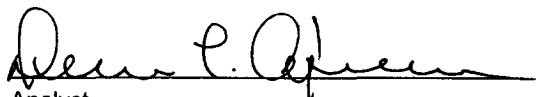
ND - Parameter not detected at the stated detection limit.

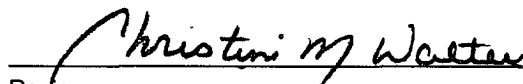
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96 %
	1,4-difluorobenzene	96 %
	Bromochlorobenzene	96 %

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: Hun Ne Pah #1 Separator Pit Grab Sample.

  
Analyst

  
Review