

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

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

**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>McPHEE GC #1</u> API #: <u>30-045- 29296</u> U/L or Qtr/Qtr <u>F</u> Sec <u>1</u> T <u>30N</u> R <u>12W</u>                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                           |
| County: <u>SAN JUAN</u> Latitude <u>36.84371</u> Longitude <u>108.05273</u> NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/> Surface Owner Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>                                                                                                                                                 |                                                                                                                                                                                                           |
| <b>Pit</b><br>Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> <u>PRODUCTION TANK</u><br>Workover <input type="checkbox"/> Emergency <input type="checkbox"/><br>Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> <u>STEEL TANK</u><br>Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/><br>Pit Volume _____ bbl | <b>Below-grade tank</b><br>Volume: _____ bbl Type of fluid: _____<br>Construction material: <u>N/A</u><br>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)<br>50 feet or more, but less than 100 feet (10 points) <b>0</b><br>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)<br>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)<br>200 feet or more, but less than 1000 feet (10 points) <b>0</b><br>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. S21E FROM WELL HEAD.</u>                                                                                                                                          |
| PIT EXCAVATION: WIDTH <u>n/a</u> ft., LENGTH <u>n/a</u> ft., DEPTH <u>n/a</u> ft.                                                                                                                                           |
| 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) |
| Cubic yards: <u>n/a</u>                                                                                                                                                                                                     |
| 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: 05/05/04

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

Printed Name/Title \_\_\_\_\_

Signature Denny Zuff

Date: MAR 27 2006

3004529296

36.84371/108.05273

CLIENT: XTO

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

LOCATION NO: CT048COCR NO: 12066**FIELD REPORT: PIT CLOSURE VERIFICATION**PAGE No: 1 of 1LOCATION: NAME: McPHEE GC WELL #: 1 TYPE: PROD. TANKQUAD/UNIT: F SEC: 1 TWP: 30N RNG: 12W PM: NM CNTY: ST ST: NMQTR/FOOTAGE: 1690'N/1645'W SELNW CONTRACTOR: KELCO (MELVIN)DATE STARTED: 5/4/04

DATE FINISHED:

ENVIRONMENTAL SPECIALIST: NVEXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: NADISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS ISLAND USE: RANGE LEASE: FEE FORMATION: MVFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 132 FT. SE 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. = 53.6 ppm CHECK  
 OVM CALIB. GAS = 100 ppm RF = 0.52  
 TIME: 10:25 am DATE: 5/4/04

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHERSOIL COLOR: PALE YELL. ORANGECOHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

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

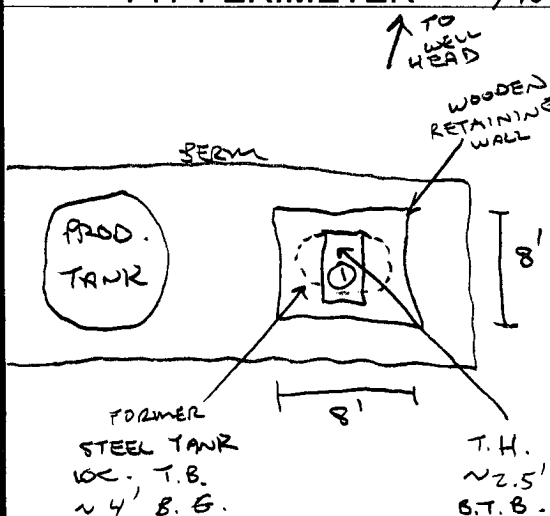
DENSITY (COHESIVE CLAYS &amp; SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION -HC ODOR DETECTED: YES / NO EXPLANATION -SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 1ADDITIONAL COMMENTS: STEEL TANK REMOVED PRIOR TO ARRIVAL.BEFORE  
BOTTOMCLOSED**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 @       | 288                   |
| 2 @       |                       |
| 3 @       |                       |
| 4 @       |                       |
| 5 @       |                       |
|           |                       |
|           |                       |
|           |                       |
|           |                       |

**LAB SAMPLES**

| SAMPLE ID | ANALYSIS    | TIME |
|-----------|-------------|------|
| 006.5     | TPH (80158) | 1016 |
| "         | STX (80218) | "    |
| "         | WLODE       | "    |
|           |             |      |
|           |             |      |

ALL PASSED

NOT APPLICABLE

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

**TRAVEL NOTES:**CALLOUT: 5/4/04 - MORN. ONSITE: 5/4/04 - MORN.

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

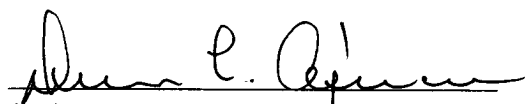
|                      |                    |                     |           |
|----------------------|--------------------|---------------------|-----------|
| Client:              | Blagg / XTO Energy | Project #:          | 94034-010 |
| Sample ID:           | 1 @ 6.5'           | Date Reported:      | 05-05-04  |
| Laboratory Number:   | 28571              | Date Sampled:       | 05-04-04  |
| Chain of Custody No: | 12066              | Date Received:      | 05-04-04  |
| Sample Matrix:       | Soil               | Date Extracted:     | 05-05-04  |
| Preservative:        | Cool               | Date Analyzed:      | 05-05-04  |
| Condition:           | Cool and Intact    | Analysis Requested: | 8015 TPH  |

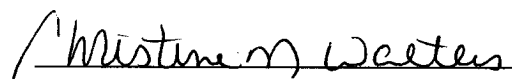
| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | 384                      | 0.2                      |
| Diesel Range (C10 - C28)     | 18.1                     | 0.1                      |
| Total Petroleum Hydrocarbons | 402                      | 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: **McPhee GC #1 Production Tank 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 @ 6.5'           | Date Reported:      | 05-05-04  |
| Laboratory Number: | 28571              | Date Sampled:       | 05-04-04  |
| Chain of Custody:  | 12066              | Date Received:      | 05-04-04  |
| Sample Matrix:     | Soil               | Date Analyzed:      | 05-05-04  |
| Preservative:      | Cool               | Date Extracted:     | 05-05-04  |
| Condition:         | Cool & Intact      | Analysis Requested: | BTEX      |

| Parameter    | Concentration<br>(ug/Kg) | Det.<br>Limit<br>(ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene      | 306                      | 1.8                      |
| Toluene      | 573                      | 1.7                      |
| Ethylbenzene | 1,260                    | 1.5                      |
| p,m-Xylene   | 2,680                    | 2.2                      |
| o-Xylene     | 1,250                    | 1.0                      |
| Total BTEX   | 6,070                    |                          |

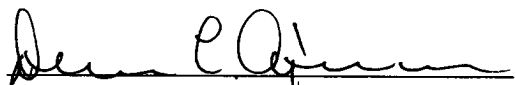
ND - Parameter not detected at the stated detection limit.

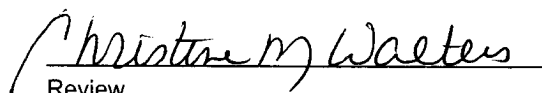
| Surrogate Recoveries: | Parameter           | Percent Recovery |
|-----------------------|---------------------|------------------|
|                       | Fluorobenzene       | 94 %             |
|                       | 1,4-difluorobenzene | 94 %             |
|                       | Bromochlorobenzene  | 94 %             |

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: McPhee GC #1 Production Tank Pit Grab Sample.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Total Chloride

|                |                    |                   |           |
|----------------|--------------------|-------------------|-----------|
| Client:        | Blagg / XTO Energy | Project #:        | 94034-010 |
| Sample ID:     | 1 @ 6.5'           | Date Reported:    | 05-05-04  |
| Lab ID#:       | 28571              | Date Sampled:     | 05-04-04  |
| Sample Matrix: | Soil               | Date Received:    | 05-04-04  |
| Preservative:  | Cool               | Date Analyzed:    | 05-05-04  |
| Condition:     | Cool and Intact    | Chain of Custody: | 12066     |

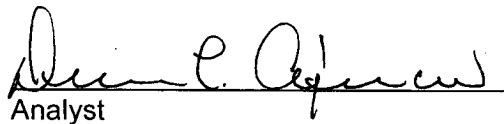
| Parameter | Concentration (mg/L) |
|-----------|----------------------|
|-----------|----------------------|

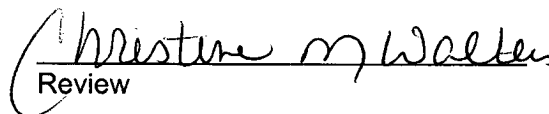
Total Chloride

7.5

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: McPhee GC #1 Production Tank Pit Grab Sample.

  
Analyst

  
Review