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

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

Form C-144
June 1, 2004

**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: BOLACK C LS #11 API #: 30-045- 06227 U/L or Qtr/Qtr K Sec 28 T 27N R 8W
County: SAN JUAN Latitude 36.54265 Longitude 107.69114 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

| **Pit** | **Below-grade tank** | | |
|---|---|---|---|
| Type: Drilling ☐ Production ☒ Disposal ☐ PRODUCTION TANK<br>Workover ☐ Emergency ☐<br>Lined ☐ Unlined ☒<br>Liner type: Synthetic ☐ Thickness _____mil Clay ☐<br>Pit Volume _____bbl | Volume: _____bbl Type of fluid:<br>Construction material: N/A<br>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<br>50 feet or more, but less than 100 feet<br>100 feet or more | (20 points)<br>(10 points)<br>( 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<br>No | (20 points)<br>( 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<br>200 feet or more, but less than 1000 feet<br>1000 feet or more | (20 points)<br>(10 points)<br>( 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 your 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 87 FT. S57E FROM WELL HEAD.
PIT EXCAVATION: WIDTH 24 ft., LENGTH 18 ft., DEPTH 12 ft. .
PIT REMEDIATION: CLOSE AS IS: ☐, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☒, OTHER ☐ (explain)
Cubic yards: 125
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: 5/16/05

PrintedName/Title Jeff Blagg – P.E. # 11607 Signature Jeffrey C. 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. ☒ Signature Brandon Powell Date: MAR 23 2006

30045 06227 36.54265/107.69114

CLIENT: XTO

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

LOCATION NO: CT174
COCR NO: 14055

# FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: BOLACK C LS WELL #: 11 TYPE: PRODUCTION
QUAD/UNIT: K SEC: 28 TWP: 27N RNG: 8W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1800 FSL x 1550 FWL NE1/4SW CONTRACTOR: KELLY (MIKE)

DATE STARTED: 5-12-05
DATE FINISHED: 5-12-05
ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX. 24 FT. x 18 FT. x 12 FT. DEEP. CUBIC YARDAGE: 125±
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: STOCKPILE
LAND USE: RANGE - BLM LEASE: SF-079232 FORMATION: ~~NM~~ MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 87 FT. S 57E FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

OVM CALIB. READ. = 53.0 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 1130 am/pm DATE: 5/12

## SOIL AND EXCAVATION DESCRIPTION:

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER Clayey/SANDY/SILT BEDROCK SANDSTONE @ 14' BG
SOIL COLOR: Lite Green
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 - Grey/Black Streaky in Removal Soils
HC ODOR DETECTED: YES / NO EXPLANATION - MINOR
SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. —
ADDITIONAL COMMENTS: 24'x18'x4' DEEP EARTHEN PIT. Excavate to Bedrock sandstone & Stockpile on Site.
BEDROCK BOTTOM

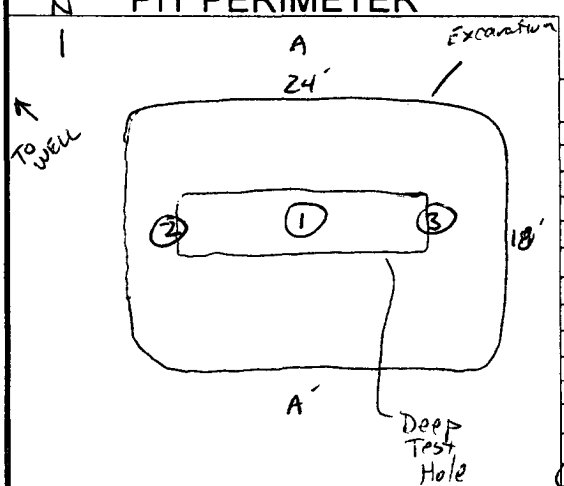
CLOSED

FIELD 418.1 CALCULATIONS

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

SCALE 0 FT

## PIT PERIMETER




OVM READING

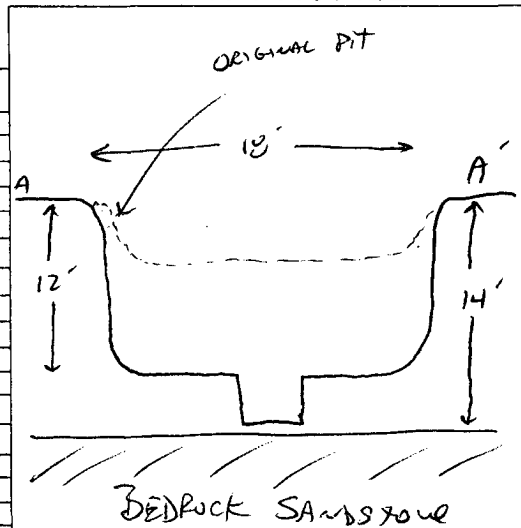
| SAMPLE ID | FIELD HEADSPACE (ppm) |
|---|---|
| 1 @ 14' | 9.8 |
| 2 @ 12' | 3.4 |
| 3 @ 12' | 1.2 |
| 4 @ | |
| 5 @ | |

LAB SAMPLES

| SAMPLE ID | ANALYSIS | TIME |
|---|---|---|
| (1) @ 14' | TPH | 1240 |
| | PASSED | |

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

## PIT PROFILE




TRAVEL NOTES: CALLOUT: 5/12/05 0945 ONSITE: 5/12/05 1205

revised: 09/04/02

bei1005C.skf

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

| | | | |
|---|---|---|---|
| Client: | Blagg / XTO | Project #: | 94034-010 |
| Sample ID: | 1 @ 14' | Date Reported: | 05-16-05 |
| Laboratory Number: | 32989 | Date Sampled: | 05-12-05 |
| Chain of Custody No: | 14055 | Date Received: | 05-13-05 |
| Sample Matrix: | Soil | Date Extracted: | 05-13-05 |
| Preservative: | Cool | Date Analyzed: | 05-16-05 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|---|---|---|
| **Gasoline Range (C5 - C10)** | **ND** | **0.2** |
| **Diesel Range (C10 - C28)** | **5.5** | **0.1** |
| **Total Petroleum Hydrocarbons** | **5.5** | **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: **Bolack C LS 11 Prod. Pit.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CLIENT: XTO

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

LOCATION NO: CT174
C.O.C. NO: 14528

## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: BOLACK C LS WELL #: 11 PITS: PROD.
QUAD/UNIT: K SEC: 28 TWP: 27N RNG: 8W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: NE(SW CONTRACTOR: KELCO

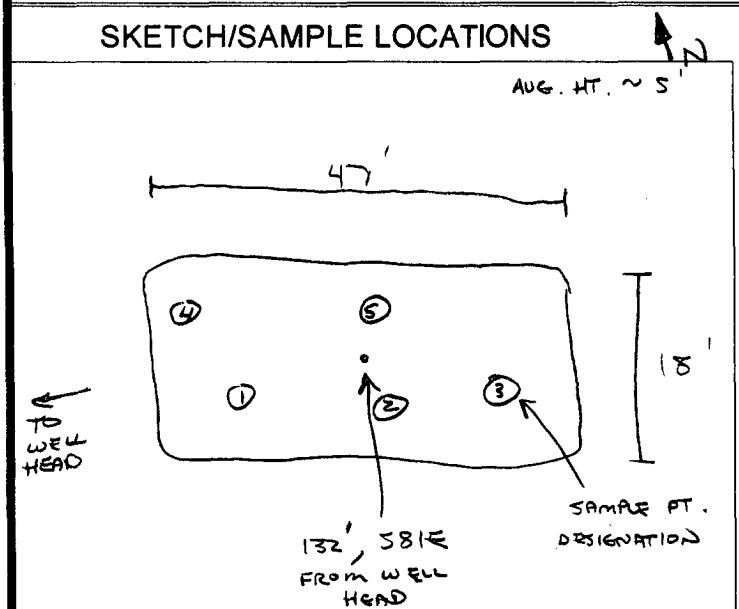
DATE STARTED: 1/12/06
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION:
REMEDIATION SYSTEM: STOCKPILE
APPROX. CUBIC YARDAGE: 125
LAND USE: RANGE - BLM
LIFT DEPTH (ft): N/A

FIELD NOTES & REMARKS: DEPTH TO GROUNDWATER: >100' NEAREST SURFACE WATER: >1,000'
NEAREST WATER SOURCE: >1,000' NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5,000 PPM

SOIL TYPE: (SAND) / (SILTY SAND) / SILT / SILTY CLAY / CLAY / GRAVEL / (OTHER) BEROCK FRAGMENTS
SOIL COLOR: MOSTLY MOD. BROWN W/ VARYING 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
CLOSED
DISCOLORATION/STAINING OBSERVED: (YES) / NO EXPLANATION - VARYING GRAY IN ALL SAMPLE PTS.
HC ODOR DETECTED: (YES) NO EXPLANATION - SLIGHTLY IN ALL SAMPLE PTS.
SAMPLING DEPTHS (LANDFARMS): N/A (INCHES)
SAMPLE TYPE: GRAB / (COMPOSITE) # OF PTS. 5
ADDITIONAL COMMENTS:

### SKETCH/SAMPLE LOCATIONS




OVM CALIB. READ. = 53.3 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 9:55 (am)/pm DATE: 1/11/06

OVM RESULTS

| SAMPLE ID | FIELD HEADSPACE (ppm) |
|---|---|
| SP-1 | 18.1 |
| | |
| | |
| | |
| | |
| | |

LAB SAMPLES

| SAMPLE ID | ANALYSIS | TIME | RESULTS |
|---|---|---|---|
| SP-1 | TPH (8015B) | 1145 | 196 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

P.C. - 5/12/05

SCALE
0 FT

TRAVEL NOTES: CALLOUT: N/A ONSITE: 1/12/06

# 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: | SP - 1 | Date Reported: | 01-13-06 |
| Laboratory Number: | 35724 | Date Sampled: | 01-12-06 |
| Chain of Custody No: | 14528 | Date Received: | 01-12-06 |
| Sample Matrix: | Soil | Date Extracted: | 01-12-06 |
| Preservative: | Cool | Date Analyzed: | 01-13-06 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|---|---|---|
| **Gasoline Range (C5 - C10)** | **0.8** | **0.2** |
| **Diesel Range (C10 - C28)** | **195** | **0.1** |
| **Total Petroleum Hydrocarbons** | **196** | **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: **Bolack C LS #11 - Stockpile 5 Pt. Composite Sample.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865