

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: 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: SCHWERDTFEGER #2 API #: 30-045- 06666 U/L or Qtr/Qtr I Sec 8 T 27N R 11W
County: SAN JUAN Latitude 36.5871 Longitude 108.02012 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: _____
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) | 0 |
| | 50 feet or more, but less than 100 feet | (10 points) | |
| | 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) | 0 |
| | No | (0 points) | |
| Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.) | Less than 200 feet | (20 points) | 0 |
| | 200 feet or more, but less than 1000 feet | (10 points) | |
| | 1000 feet or more | (0 points) | |
| 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 ENVIROTECH LF #2 (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 100 FT. S62E FROM WELL HEAD.

PIT EXCAVATION: WIDTH 19 ft., LENGTH 15 ft., DEPTH 25 ft.

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

Cubic yards: 225

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: 04/21/04

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 Oil & Gas Inspector, DIST. 8

Signature Denny

Date: MAR 27 2006

3004506666

36.5871/108.02012

CLIENT: XTO

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

LOCATION NO: CT106COCR NO: HALL**FIELD REPORT: PIT CLOSURE VERIFICATION**PAGE No: 1 of 1LOCATION: NAME: SCHWENDTFEGER WELL #: 2 TYPE: SEPDATE STARTED: 4/13/04QUAD/UNIT: I SEC: 8 TWP: 27N RING: 11W PM: NM CNTY: ST ST: NM

DATE FINISHED:

QTR/FOOTAGE: 1850'S 190'E NE/E CONTRACTOR: COLE SERV. (CORE)ENVIRONMENTAL SPECIALIST: NVEXCAVATION APPROX. 219 FT. x 15 FT. x 25 FT. DEEP. CUBIC YARDAGE: 225DISPOSAL FACILITY: ENVIRTECH LANDFARM #2 REMEDIATION METHOD: LANDFARMLAND USE: RANGE - SURF. LSE. NAVATO LEASE: SF 080382A FORMATION: FT**FIELD NOTES & REMARKS:**PIT LOCATED APPROXIMATELY 100 FT. 562E FROM WELLHEAD.DEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: 21000' NEAREST SURFACE WATER: 21000'NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM**SOIL AND EXCAVATION DESCRIPTION:**

OVM CALIB. READ. = 53.7 ppm
 OVM CALIB. GAS = 100 ppm RF = 0.52
 TIME: 10:20 am/pm DATE: 4/13/04

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHERSOIL COLOR: PALE YEEL. ORANGE TO DK. GRAY LT. GRAY @ 25'-27' BELOW GRADECOHESION (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

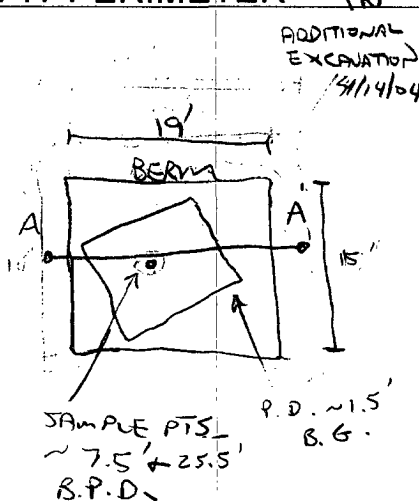
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION - VARYING SHADES OF GRAY BET. 4'-10' BELOW GRADEHC ODOR DETECTED: YES NO EXPLANATION - DISCOLORED SOIL & OVM SAMPLE.SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. -ADDITIONAL COMMENTS: PASSIVE VENT INSTALLED 4/23/04. VERTICAL EXTENT ESTABLISHED.**CLOSED****SCALE**

0 FT

FIELD 418.1 CALCULATIONS

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

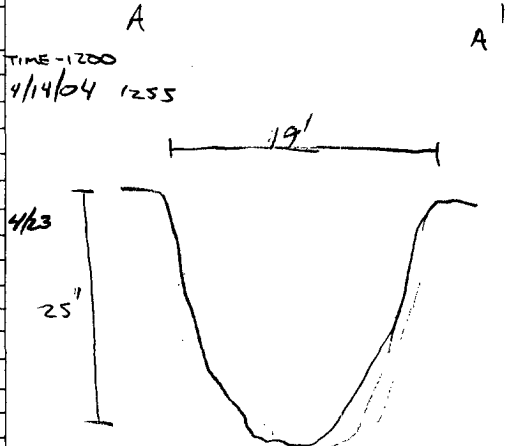
PIT PERIMETER**OVM READING**

| SAMPLE ID | FIELD HEADSPACE (ppm) |
|-----------|-----------------------|
| 1 @ 9' | 2311 |
| 2 @ 27' | 404 |
| 3 @ | |
| 4 @ | |
| 5 @ | |

| | |
|-----------|-----|
| 842 @ 30' | 4.5 |
| 32' | |

LAB SAMPLES

| SAMPLE ID | ANALYSIS | TIME |
|--------------|--------------|------|
| DE27 | TPH (80158) | 1255 |
| " | BTEX (80218) | " |
| 842 @ 30-32' | TPH (80158) | 1015 |
| | BTEX (80218) | " |

PIT PROFILE

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

TRAVEL NOTES:CALLOUT: 4/13/04 - MORN.ONSITE: 4/13/04 - MORN.

BLAGG ENGINEERING, INC.

P.O. BOX 87

BLOOMFIELD, NM 87413

(505) 632-1199

BORE / TEST HOLE REPORT

CLIENT:

XTO ENERGY INC.

LOCATION NAME:

SCHWERTFEGER #2 SEPARATOR PIT - UNIT I, SEC. 8, T27N, R11W

CONTRACTOR:

BLAGG ENGINEERING / ENVIROTECH

EQUIPMENT USED:

MOBILE DRILL RIG - CME 75

BORING LOCATION:


100 FEET, S62E FROM WELL HEAD.

| | |
|---------------|---------|
| BORING #..... | BH - 1 |
| MW #..... | N/A |
| PAGE #..... | N/A |
| DATE STARTED | 4/23/04 |
| DATE FINISHED | 4/23/04 |
| OPERATOR..... | KP |
| PREPARED BY | NJV |

| DEPTH (FT.) | INTERVAL | LITHOLOGY INTERVAL | VENT PIPE SCHEMATIC | FIELD CLASSIFICATION AND REMARKS |
|----------------|----------|-----------------------|------------------------|----------------------------------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
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| 36 | | | | |
| 37 | | | | |
| 38 | | | | |
| 39 | | | | |
| 40 | | | | |

GROUND SURFACE

DARK YELLOWISH ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, LOOSE TO FIRM
(0.0 - 38.0 FT. BELOW GRADE).

NOTES:  - SAND.

DRAWING: SCHWERTD-2-BH1.SKF

DATE: 04/23/04

DWN BY: NJV

BLAGG ENGINEERING, INC.

P.O. BOX 87

BLOOMFIELD, NM 87413

(505) 632-1199

BORE / TEST HOLE REPORT

CLIENT:

XTO ENERGY INC.

LOCATION NAME:

SCHWERDTFEGER #2 SEPARATOR PIT - UNIT I, SEC. 8, T27N, R11W

CONTRACTOR:

BLAGG ENGINEERING / ENVIROTECH

EQUIPMENT USED:

MOBILE DRILL RIG - CME 75

BORING LOCATION:

100 FEET, S60.5E FROM WELL HEAD.

BORING #..... BH - 2

MW #..... N/A

PAGE #..... N/A

DATE STARTED 4/23/04

DATE FINISHED 4/23/04

OPERATOR..... KP

PREPARED BY NJV

| DEPTH (FT.) | INTERVAL | LITHOLOGY INTERVAL | VENT PIPE SCHEMATIC |
|----------------|----------|-----------------------|------------------------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
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| 16 | | | |
| 17 | | | TOS 17.00 |
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| 32 | | | TD 32.00 |
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| 40 | | | |

FIELD CLASSIFICATION AND REMARKS

GROUND SURFACE

Vent pipe completion - Top of 2 inch PVC casing approximately 3.0 ft. above grade (with wind turbine attached) to 17 ft. below grade, 0.010 slotted screen 17.0 - 32.0 ft. Auger cuttings reintroduced into annular between 0.0 - 13.0 ft., bentonite plug 13.0 - 15.0 ft., sand 15.0 - 32.0 ft.

MODERATE BROWN SAND (FILL MATERIAL), NON COHESIVE, SLIGHTLY MOIST, LOOSE TO FIRM, (0.0 - 22.0 FT. BELOW GRADE).

LIGHT TO MEDIUM GRAY SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, STRONG HYDROCARBON ODOR DETECTED PHYSICALLY WITHIN AUGER CUTTINGS (22.0 - 30.0 FT. BELOW GRADE).

PALE YELLOWISH ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM (30.0 - 32.0 FT. BELOW GRADE).

SAMPLE COLLECTED WITH SPLIT SPOON SAMPLER - BLOW COUNT - 43 OVER 2 FT. INTERVAL.
BH-2 @ 30-32 FT. OVM READING - 4.5 ppm, TPH - 23 ppm, DATE COLLECTED - 4/23/04, TIME - 10:15 am.

NOTES:



- SAND (FILL MATERIAL).
- IMPACTED / DISCOLORED SAND.
- SAND.

- TOS - Top of 2" PVC 0.010 slotted screen interval.
- TD - Total depth of 2" PVC.
- OVM - Organic Vapor Meter or Photoionization Detector (PID).
- TPH - Total Petroleum Hydrocarbon US EPA method modified 8015B.
- ppm - Parts per million or milligrams per liter (mg/L).

OVM CALIBRATION CHECK - 53.4 ppm with 100 ppm Isobutylene gas & response factor set @ 0.52; TIME - 10:23 (prior to sample reading).

DRAWING: SCHWERT-2-BH2. SKF

DATE: 04/23/04

DWN BY: NJV

Hall Environmental Analysis Laboratory

Date: 23-Apr-04

CLIENT: Blagg Engineering
Lab Order: 0404139
Project: Schwerdtfeger #2
Lab ID: 0404139-01

Client Sample ID: 2@27' Separator Pit
Collection Date: 4/14/2004 12:55:00 PM

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|--------|--------|------|-------|-----|-----------------------|
| EPA METHOD 8015B: DIESEL RANGE | | | | | | Analyst: JMP |
| Diesel Range Organics (DRO) | 1200 | 50 | | mg/Kg | 10 | 4/21/2004 3:29:59 AM |
| Motor Oil Range Organics (MRO) | 320 | 50 | | mg/Kg | 1 | 4/20/2004 4:11:07 PM |
| Surr: DNOP | 0 | 60-124 | S | %REC | 10 | 4/21/2004 3:29:59 AM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 5200 | 500 | | mg/Kg | 100 | 4/20/2004 12:24:38 PM |
| Surr: BFB | 108 | 74-118 | | %REC | 100 | 4/20/2004 12:24:38 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: NSB |
| Benzene | ND | 2.5 | | mg/Kg | 100 | 4/20/2004 12:24:38 PM |
| Toluene | 110 | 2.5 | | mg/Kg | 100 | 4/20/2004 12:24:38 PM |
| Ethylbenzene | 64 | 2.5 | | mg/Kg | 100 | 4/20/2004 12:24:38 PM |
| Xylenes, Total | 650 | 2.5 | | mg/Kg | 100 | 4/20/2004 12:24:38 PM |
| Surr: 4-Bromofluorobenzene | 119 | 74-119 | | %REC | 100 | 4/20/2004 12:24:38 PM |

NMOC
CLOSURE STANDARD

TOTAL TPH = 6,720 ppm

5,000 ppm

TOTAL BTEX = 824 ppm

50 ppm

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 10-May-04

CLIENT: Blagg Engineering

Client Sample ID: BH2@30-32' Separator Pit

Lab Order: 0404240

Collection Date: 4/23/2004 10:15:00 AM

Project: Schwerdtfeger #2

Lab ID: 0404240-01

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|--------|--------|------|-------|----|----------------------|
| EPA METHOD 8015B: DIESEL RANGE | | | | | | Analyst: JMP |
| Diesel Range Organics (DRO) | 23 | 5.0 | | mg/Kg | 1 | 5/5/2004 11:42:21 AM |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 5/5/2004 11:42:21 AM |
| Surr: DNOP | 92.3 | 60-124 | | %REC | 1 | 5/5/2004 11:42:21 AM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 4/29/2004 7:41:38 PM |
| Surr: BFB | 97.5 | 74-118 | | %REC | 1 | 4/29/2004 7:41:38 PM |

NMOC
CLOSURE STANDARD

TOTAL TPH = 23 ppm

5,000 ppm

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range