

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: **BOLACK C LS #14A** API #: **30-045- 26553** U/L or Qtr/Qtr **I** Sec **30** T **27N** R **8W**
County: **SAN JUAN** Latitude **36.54408** Longitude **107.71718** NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit Type: Drilling ☐ Production ☐ Disposal ☒ BLOW 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) 10 100 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) 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) 0 1000 feet or more (0 points)
Ranking Score (Total Points) 10	

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 **BOLACK B #4 (N-30-27-8)**. (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 200 FT. S86W FROM WELL HEAD.**

PIT EXCAVATION: WIDTH 27 ft., LENGTH 27 ft., DEPTH 13 ft.

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

Cubic yards: 350

NEED TO ESTABLISH VERTICAL EXTENT.

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: **4/20/05**

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. IV

Printed Name/Title

Signature *Branch D. Hall*

Date: **MAR 23 2005**

CLIENT: <u>XTO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CT169</u> COCR NO: <u>HAUL</u>
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>BOLACK C US</u> WELL #: <u>14A</u> TYPE: <u>BLOW</u> QUAD/UNIT: <u>I</u> SEC: <u>30</u> TWP: <u>27N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>2130'S/980'E</u> NE/SE CONTRACTOR: <u>KELCO (THOMAS)</u>		DATE STARTED: <u>4/8/05</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
EXCAVATION APPROX. <u>27</u> FT. x <u>27</u> FT. x <u>13</u> FT. DEEP. CUBIC YARDAGE: <u>350</u>		
DISPOSAL FACILITY: <u>BOLACK B4 (N-30-27-8)</u> REMEDIATION METHOD: <u>LANDFARM</u>		
LAND USE: <u>RANGE - BLM</u> LEASE: <u>SF - 079232</u> FORMATION: <u>MV</u>		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>200</u> FT. <u>S86W</u> FROM WELLHEAD.		
DEPTH TO GROUNDWATER: <u><100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>		
NMOCD RANKING SCORE: <u>10</u> NMOCD TPH CLOSURE STD: <u>1,000</u> PPM		
SOIL AND EXCAVATION DESCRIPTION: <u>ELEV. 6127'</u>		OVM CALIB. READ. = <u>53.4</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>9:30</u> am/pm DATE: <u>4/7/05</u>
SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: <u>DR. YELL. ORANGE TO MED. GRAY</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: <u>DRY</u> / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - <u>MED. GRAY (SIDEWALLS BET. 8'-13' BELOW GRADE) & BOTTOM</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>DISCOLORED SOIL PORTION & OVM SAMPLE.</u> SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. <u>—</u> ADDITIONAL COMMENTS: _____		

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 @ 13'	137.2
2 @	
3 @	
4 @	
5 @	

PIT PROFILE

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
① @ 13'	TPH (80158)	1054
"	BTEX (80218)	"

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

TRAVEL NOTES: CALLOUT: 4/7/05 - AFTER. ONSITE: 4/8/05 - MORN.

Hall Environmental Analysis Laboratory

Date: 21-Apr-05

CLIENT: Blagg Engineering
Lab Order: 0504100
Project: Bolack C LS #14A
Lab ID: 0504100-01

Client Sample ID: 1 @ 13'- Blow Pit
Collection Date: 4/8/2005 10:54:00 AM

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	2300	1000		mg/Kg	100	4/20/2005 10:47:48 PM
Motor Oil Range Organics (MRO)	ND	5000		mg/Kg	100	4/20/2005 10:47:48 PM
Surr: DNOP	0	60-124	S	%REC	100	4/20/2005 10:47:48 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	400	50		mg/Kg	10	4/13/2005 11:13:26 AM
Surr: BFB	131	78.3-120	S	%REC	10	4/13/2005 11:13:26 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.25		mg/Kg	10	4/13/2005 11:13:26 AM
Toluene	0.40	0.25		mg/Kg	10	4/13/2005 11:13:26 AM
Ethylbenzene	1.0	0.25		mg/Kg	10	4/13/2005 11:13:26 AM
Xylenes, Total	10	0.25		mg/Kg	10	4/13/2005 11:13:26 AM
Surr: 4-Bromofluorobenzene	109	87.4-116		%REC	10	4/13/2005 11:13:26 AM

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

Accreditation Applied: ☐ NELAC ☐ USACE ☐

Other:

BOLACK C LS #14A

Project #:

Project Manager:

✓

Sample Temperature:

Time Matrix

Sample I.D. No.

① 0131-66297

1-402.

✓

SD4100-1

Relinquished By: (Signature)

Received By: (Signature)

Relinquished By: (Signature)

Received By: (Signature)

1650



4901 Hawkins NE, Suite D

Albuquerque, New Mexico 87109

Tel. 505.345.3975 Fax 505.345.4107

www.hallenvironmental.com

ANALYSIS REQUEST

(BTEX + MTBE + TMB's) (80216)	<
BTEX + MTBE + TPH (Gasoline Only)	<
TPH Method 8015B (Gas/Diesel)	<
TPH (Method 418.1)	
EDB (Method 504.1)	
EDC (Method 8021)	
8310 (PNA or PAH)	
RCRA 8 Metals	
Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	
8081 Pesticides / PCB's (8082)	
8260B (VOA)	
8270 (Semi-VOA)	
Air Bubbles or Headspace (Y or N)	

Remarks:

CLIENT: KTO**BLAGG ENGINEERING, INC.**
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: CT 169C.O.C. NO: 14530**FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION**LOCATION: NAME: BOLACK B WELL#: 4 PITS: BLWDATE STARTED: 1/13/06QUAD/UNIT: N SEC: 30 TWP: 27N RNG: 8W PM: NM CNTY: ST ST: NM

DATE FINISHED: _____

QTR/FOOTAGE: SE/SW CONTRACTOR: KELCOENVIRONMENTAL
SPECIALIST: NV**SOIL REMEDIATION:**REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 150LAND USE: RANGE - BLMLIFT DEPTH (ft): 0.5-1**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 PPMSOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____SOIL COLOR: DK. YELL. ORANGE TO MOD. BROWNCOHESION (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

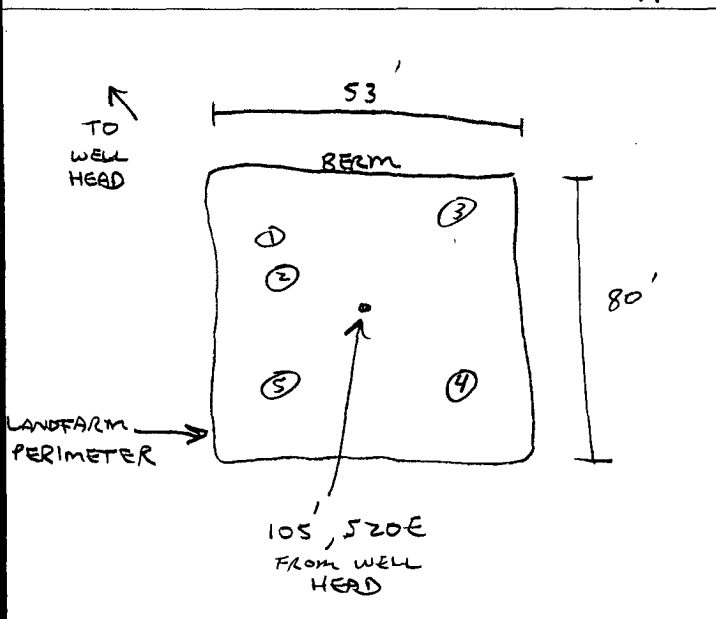
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION - _____HC ODOR DETECTED: YES NO EXPLANATION - _____

SAMPLING DEPTHS (LANDFARMS): _____ (INCHES)

SAMPLE TYPE: GRAB / COMPOSITE # OF PTS. 5

ADDITIONAL COMMENTS: _____

CLOSED**SKETCH/SAMPLE LOCATIONS**OVM CALIB. READ. = 53.3 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 9:55 am DATE: 1/11/06**OVM RESULTS****LAB SAMPLES**

SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (80158)	1235	2660

SCALE

P.C. 4/8/06

TRAVEL NOTES: CALLOUT: N/AONSITE: 1/13/06

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

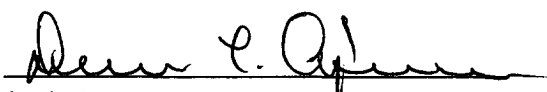
Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	01-16-06
Laboratory Number:	35740	Date Sampled:	01-13-06
Chain of Custody No:	14530	Date Received:	01-13-06
Sample Matrix:	Soil	Date Extracted:	01-16-06
Preservative:	Cool	Date Analyzed:	01-16-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

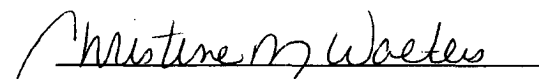
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	2,660	0.1
Total Petroleum Hydrocarbons	2,660	0.2

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 B #4 Landfarm 5 Pt. Composite Sample.**


Analyst


Review

14530

san juan reproduction 578-129