

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 #10** API #: **30-045- 06271** U/L or Qtr/Qtr **A** Sec **28** T **27N** R **8W**
County: **SAN JUAN** Latitude **36.54881** Longitude **107.68260** NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank	
Type: Drilling ☐ Production ☒ Disposal ☐ SEPARATOR Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type: Synthetic ☐ Thickness _____ mil Clay ☐ Pit Volume _____ bbl	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) 0
	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)		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 **BOLACK C #10B (H-28-27-8)**. (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 75 FT. N1W FROM WELL HEAD.**
PIT EXCAVATION: WIDTH 28 ft., LENGTH 22 ft., DEPTH 11 ft. .
PIT REMEDIATION: CLOSE AS IS: ☐, LANDFARM: ☒, COMPOST: ☐, STOCKPILE: ☐, OTHER ☐ (explain)
Cubic yards: **250**

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: **5/18/05**

PrintedName/Title **Jeff Blagg – P.E. # 11607**

Signature

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:

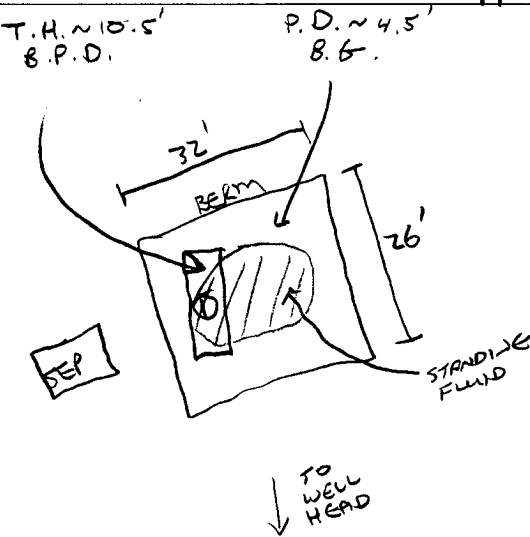
Printed Name/Title

DEPUTY OIL & GAS INSPECTOR, DIST. 4

Signature

Date:

MAR 23 2006

CLIENT: <u>XTO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CT175</u> COCR NO: <u>13871</u>																																								
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																								
LOCATION: NAME: <u>BLACK C LS</u> WELL#: <u>10</u> TYPE: <u>SEP.</u> QUAD/UNIT: <u>A SEC: 28 TWP: 27N RNG: 8W PM: NM CNTY: ST ST: NM</u> QTR/FOOTAGE: <u>1090' N / 800' E</u> NEI/E CONTRACTOR: <u>KELCO (THOMAS)</u>		DATE STARTED: <u>5/16/05</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																								
EXCAVATION APPROX. <u>28</u> FT. x <u>22</u> FT. x <u>11</u> FT. DEEP. CUBIC YARDAGE: <u>250</u> DISPOSAL FACILITY: <u>BLACK C #103 (H-28-27-8)</u> REMEDIATION METHOD: <u>LANDFARMED</u> LAND USE: <u>RANGE - 8um</u> LEASE: <u>SF-079232</u> FORMATION: <u>MV</u>																																										
FIELD NOTES & REMARKS:																																										
PIT LOCATED APPROXIMATELY <u>75</u> FT. <u>NW</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1,000</u> NEAREST SURFACE WATER: <u>>1,000</u> NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5,000</u> PPM SOIL AND EXCAVATION DESCRIPTION: ELEV. - <u>6053</u>																																										
SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: <u>LT. MED. GRAY TO BLACK</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: DRY / <u>SLIGHTLY MOIST</u> / <u>MOIST</u> / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - _____ HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - _____ SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>INSTRUCTED OPERATOR TO EXCAVATE PIT AREA TO MAX. EXTENT OF EQUIPMENT & LANDFARM IMPACTED SOIL.</u>																																										
CLOSED																																										
SCALE  0 FT FIELD 418.1 CALCULATIONS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMP. ID</th> <th>LAB NO.</th> <th>WEIGHT (g)</th> <th>mL FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. (ppm)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																																
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CALLOUT: <u>5/13/05 - AFTER.</u> ONSITE: <u>5/16/05 - MORN. (SCHED.)</u>																																										

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

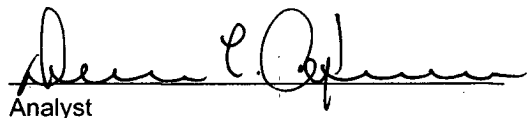
Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 15'	Date Reported:	05-18-05
Laboratory Number:	33013	Date Sampled:	05-16-05
Chain of Custody No:	13871	Date Received:	05-16-05
Sample Matrix:	Soil	Date Extracted:	05-17-05
Preservative:	Cool	Date Analyzed:	05-18-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

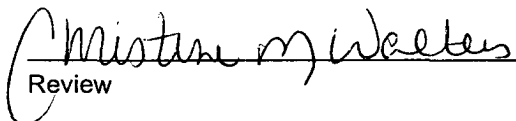
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	809	0.2
Diesel Range (C10 - C28)	902	0.1
Total Petroleum Hydrocarbons	1,710	0.2

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: **Black C LS #10 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 @ 15'	Date Reported:	05-18-05
Laboratory Number:	33013	Date Sampled:	05-16-05
Chain of Custody:	13871	Date Received:	05-16-05
Sample Matrix:	Soil	Date Analyzed:	05-18-05
Preservative:	Cool	Date Extracted:	05-17-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	248	2.1
Toluene	2,170	1.8
Ethylbenzene	1,870	1.7
p,m-Xylene	9,420	1.5
o-Xylene	3,610	2.2
Total BTEX	17,320	

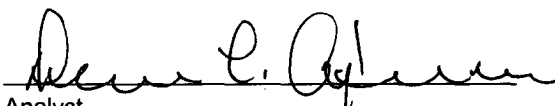
ND - Parameter not detected at the stated detection limit.

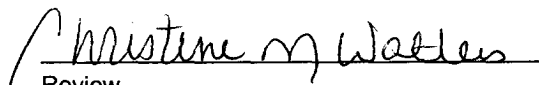
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Bolack C LS #10 Separator Pit Grab Sample.


Analyst


Review

13871

san juan reproduction 578-129

CLIENT: XTO**BLAGG ENGINEERING, INC.**
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: CT175C.O.C. NO: 14528**FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION**LOCATION: NAME: BOLACK C WELL #: 108 PITS: SEP.
QUAD/UNIT: H SEC: 28 TWP: 27N RNG: 8W PM: Nm CNTY: SJ ST: Nm
QTR/FOOTAGE: SENE CONTRACTOR: KECODATE STARTED: 1/12/06

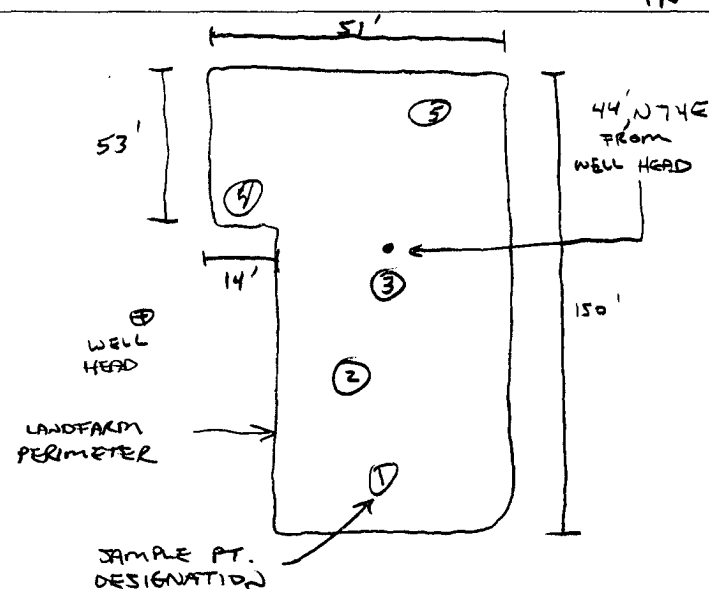
DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: NU**SOIL REMEDIATION:**REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 250LAND USE: RANGE - BLMLIFT DEPTH (ft): 1-1.5**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: OK. YELL. ORANGE TO OK. YELL. 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 / HARDMOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - _____HC ODOR DETECTED: YES / NO EXPLANATION - SLIGHTLY IN ALL SAMPLE PTS.

SAMPLING DEPTHS (LANDFARMS): _____ (INCHES)

SAMPLE TYPE: GRAB / COMPOSITE # OF PTS. 5ADDITIONAL COMMENTS: SOIL ORIGINATED FROM BOLACK C LS #10CLOSED**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****LAB SAMPLES**

SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (30158)	1225	9.7

SCALE

0 FT

P.C. - 5/16/05TRAVEL NOTES: CALLOUT: N/AONSITE: 1/12/06

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

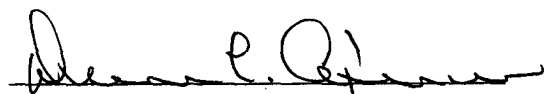
Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	01-13-06
Laboratory Number:	35725	Date Sampled:	01-12-06
Chain of Custody No:	14528	Date Received:	01-12-06
Sample Matrix:	Soil	Date Extracted:	01-12-06
Preservative:	Cool	Date Analyzed:	01-13-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

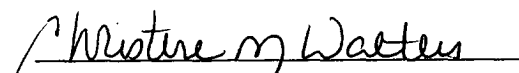
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	9.7	0.1
Total Petroleum Hydrocarbons	9.7	0.2

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 #10B - Landfarm 5 Pt. Composite Sample.**


Analyst


Review

14528

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