OK CT018

District I
P.O. Box 1980, Hobbs, NM
District II
Drawer DD, Artesia, NM
District III
1000 Rio Brazos Rd., Aztec, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

30-045-13070

Operator: XTO ENERGY, INC. Telephone: (505) 324-1090

Address: 2700 FARMINGTON AVE., BLDG. K SUITE 1, FARMINGTON, NM 87401

Facility or Well Name: Kutz Federal #13

Location: Unit or Qtr/Qtr Sec K Sec 33 T 28N R 10W County San Juan

Pit Type: Separator ✓ Dehydrator ___ Other ___

Land Type: BLM X, State ___, Fee ___, Other ___

Pit Location: (Attach diagram)

Pit dimensions: length NA, width NA, depth NA

Reference: wellhead X, other ___

Footage from reference: 141'

Direction from reference: 50 Degrees ___ East ✓ North ___ of ___ West South ___

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (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 No	(20 points) (0 points)	0
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)	0
		RANKING SCORE (TOTAL POINTS):	0

Sep I CT018

Date Remediation Started: _____ **Date Completed:** 11-22-02

Remediation Method: (Check all appropriate sections)
Excavation X — Approx. cubic yards NA
Landfarmed ____ — Insitu Bioremediation ____
Other NV ~~CLOSE AS IS.~~ DILUTED/AERATED WITHIN PIT.

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)
Onsite X Offsite ____

General Description of Remedial Action: Excavation. Test hole advanced. ~~No remediation necessary.~~ NV
Bedrock Bottom

Groundwater Encountered: No X Yes ____ Depth ____

Final Pit Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 6' (Test hole bottom)

Sample date 11-21-02 Sample time 1207

Sample Results

Soil:	Benzene	(ppm)	0.0771	**Water:** Benzene	(ppb)	____
	Total BTEX	(ppm)	3.780	Toluene	(ppb)	____
	Field Headspace	(ppm)	948	Ethylbenzene	(ppb)	____
	TPH	(ppm)	153	Total Xylenes	(ppb)	____

Groundwater Sample: Yes ____ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 11-22-02 PRINTED NAME Jeffrey C. Blagg

SIGNATURE Jeffrey C. Blagg AND TITLE President P.E. # 11607

3004513010

CLIENT: XTO

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

LOCATION NO: CT018
COCR NO: 10287

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: KUTZ FEDERAL WELL #: 13 TYPE: SEP. I
QUAD/UNIT: K SEC: 33 TWP: 28N RNG: 10W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1780'S/1700'W NE¼SW¼ CONTRACTOR: COREY (COREY)

DATE STARTED: 11/21/02
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: NA
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS IS
LAND USE: RANGE - BLM LEASE: SF046563 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 141 FT. NSOE FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION: ELEV. 6101 OF

OVM CALIB. READ. = 51.8 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 9:34 (am)/pm DATE: 11/20/02

SOIL TYPE: (SAND) / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)
SOIL COLOR: OLIVE GRAY TO BLACK BEDROCK - OLIVE LT. 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
DISCOLORATION/STAINING OBSERVED: (YES) / NO EXPLANATION - TEST HOLE, PIT SURFACE, & BEDROCK SURFACE.
HC ODOR DETECTED: (YES) / NO EXPLANATION - TEST HOLE & OVM SAMPLE.
SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS. —
ADDITIONAL COMMENTS: COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - VERY HARD, COMPETENT. INSTRUCTED OPERATOR TO DILUTE/AERATE SOIL WITHIN PIT AREA & LEAVE IN PLACE.

CLOSED

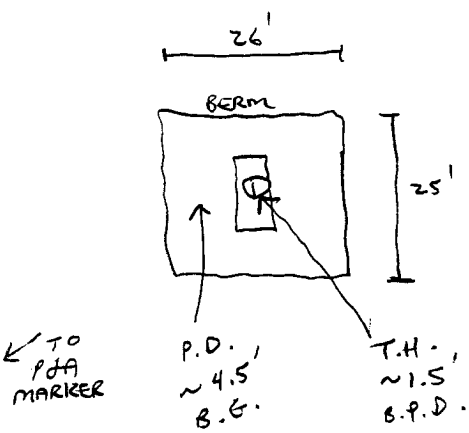
BEDROCK BOTTOM

FIELD 418.1 CALCULATIONS

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

SCALE 0 FT

PIT PERIMETER



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

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 6'	948
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
DP6'	TPH (8015B)	1207
"	BTEX (8021B)	"
BOTH PASSED		

PIT PROFILE

NOT APPLICABLE

TRAVEL NOTES: CALLOUT: 11/20/02 - AFTER ONSITE: 11/21/02 - 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'	Date Reported:	11-22-02
Laboratory Number:	24278	Date Sampled:	11-21-02
Chain of Custody No:	10287	Date Received:	11-21-02
Sample Matrix:	Soil	Date Extracted:	11-22-02
Preservative:	Cool	Date Analyzed:	11-22-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**89.2**	**0.2**
Diesel Range (C10 - C28)	**63.8**	**0.1**
Total Petroleum Hydrocarbons	**153**	**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: **Kutz Federal #13 Separator Pit I Grab Sample.**

Analyst

Review

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

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'	Date Reported:	11-22-02
Laboratory Number:	24278	Date Sampled:	11-21-02
Chain of Custody:	10287	Date Received:	11-21-02
Sample Matrix:	Soil	Date Analyzed:	11-22-02
Preservative:	Cool	Date Extracted:	11-22-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	77.1	1.8
Toluene	700	1.7
Ethylbenzene	324	1.5
p,m-Xylene	1,980	2.2
o-Xylene	700	1.0
Total BTEX	3,780	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97 %
	1,4-difluorobenzene	97 %
	Bromochlorobenzene	97 %

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: **Kutz Federal #13 Separator Pit I Grab Sample.**

Analyst

Review

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