

District I

P.O. Box 1980, Hobbs, NM

District II

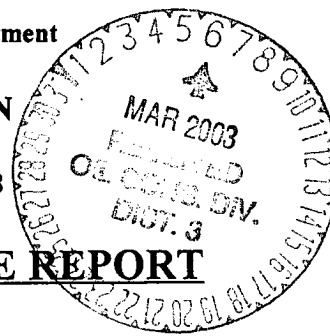
Drawer DD, Artesia, NM

District III

1000 Rio Bravo 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

30-045-26141

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

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

Facility or Well Name: Duff GC #1E

Location: Unit or Qtr/Qtr Sec 6 Sec 34 T30N R12W 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: 103'

Direction from reference: 9 Degrees ☒ East ☐ North
 West ☒ South

Depth To Groundwater:

(Vertical distance from
contaminants to seasonal
high water elevation of
groundwater)

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>0</u>

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)	<u>0</u>

Distance To Surface Water:

(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 100 feet	(20 points)	
100 feet to 1000 feet	(10 points)	
Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Dehy Pit CT 017

Date Remediation Started: _____

Date Completed: 11-8-02

Remediation Method:

Excavation X

Approx. cubic yards NA

(Check all appropriate sections)

Landfarmed _____

Insitu Bioremediation _____

Other CLOSE AS IS.

Remediation Location:

Onsite X Offsite _____

(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation. Test hole advanced. No remediation necessary.

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 7' (Test hole bottom)

Sample date 11-7-02 Sample time 1250

Sample Results

Soil: Benzene	(ppm)	<u>NTD</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>0.792</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>302</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>355</u>	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 11-8-02 PRINTED NAME Jeffrey C. Blagg

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

CLIENT: XTOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: CT017COCR NO: 10408

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1LOCATION: NAME: DUFF GC WELL#: 1E TYPE: DEHPDATE STARTED: 11-7-02DATE FINISHED: 11-7-02QUAD/UNIT: SE SEC: 34 TWP: 30N RNG: 12W PM: NM CNTY: SJ ST: NMENVIRONMENTAL SPECIALIST: JCBQTR/FOOTAGE: 1770'N/1480'E SW/NE CONTRACTOR: HIGH DESERT (Farquhar)EXCAVATION APPROX. 15 FT. x 15 FT. x 3 FT. DEEP. CUBIC YARDAGE: 0DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS ISLAND USE: RANGE - Blm LEASE: FED Com 14080017947 FORMATION: DKFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 103 FT. S9°E FROM WELLHEAD.DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPMSOIL AND EXCAVATION DESCRIPTION: CEU. 5772'OVM CALIB. READ. = 130.6 ppm
OVM CALIB. GAS = 250 ppm RF = 0.52
TIME: 1123 am/pm DATE: 11-7-02SOIL TYPE: SAND (SILTY SAND) SILT / SILTY CLAY / CLAY / GRAVEL / OTHER Bedrock Sandstone @ 7' BGSOIL COLOR: Yellow Tan w/ Black + Gray Streaking

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

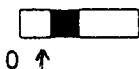
DISCOLORATION/STAINING OBSERVED: (YES) NO EXPLANATION - Gray + Black StreakingHC ODOR DETECTED: (YES) NO EXPLANATION - MODERATE

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS.

ADDITIONAL COMMENTS: EARTHEN PIT. USE BACKHOE TO DIG TEST TRENCH. HitBEFORE BOTTOMSANDSTONE Bedrock @ 7' Below Grade.

FIELD 418.1 CALCULATIONS

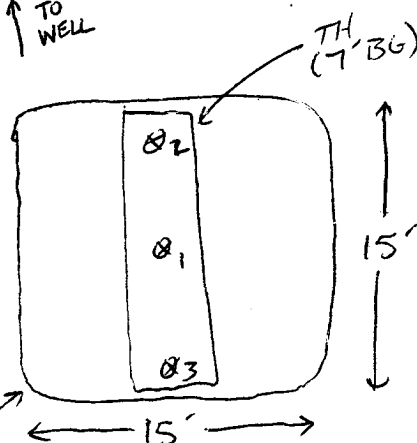
SCALE



0 ↑ FT

PIT PERIMETER

PIT PROFILE

OVM
READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 7'	302
2 @ 7'	199
3 @ 7'	225
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
#1 @ 7'	TPH/BTEX	1250
BOTH PASSED		

NOT APPLICABLE

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

TRAVEL NOTES:

CALLOUT: 11/7/02 1000 ONSITE: 11/7/02 1050

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

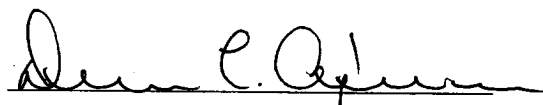
Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	Dehy #1 @ 7'	Date Reported:	11-08-02
Laboratory Number:	24192	Date Sampled:	11-07-02
Chain of Custody No:	10408	Date Received:	11-07-02
Sample Matrix:	Soil	Date Extracted:	11-08-02
Preservative:	Cool	Date Analyzed:	11-08-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

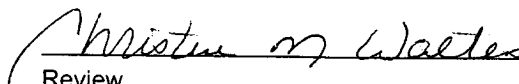
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	64.2	0.2
Diesel Range (C10 - C28)	291	0.1
Total Petroleum Hydrocarbons	355	0.2

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: Duff GC 1E.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	Dehy #1 @ 7'	Date Reported:	11-08-02
Laboratory Number:	24192	Date Sampled:	11-07-02
Chain of Custody:	10408	Date Received:	11-07-02
Sample Matrix:	Soil	Date Analyzed:	11-08-02
Preservative:	Cool	Date Extracted:	11-08-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	17.5	1.7
Ethylbenzene	50.7	1.5
p,m-Xylene	511	2.2
o-Xylene	213	1.0
Total BTEX	792	

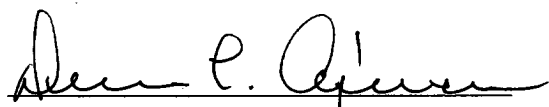
ND - Parameter not detected at the stated detection limit.

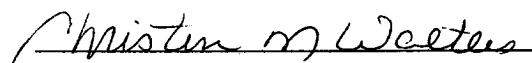
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96 %
	1,4-difluorobenzene	96 %
	Bromochlorobenzene	96 %

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: Duff GC 1E.


Analyst


Review