

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM

District III

1000 Rio Brazo 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

CT031 OK

SUBMIT 1 COPY TO

APPROPRIATE

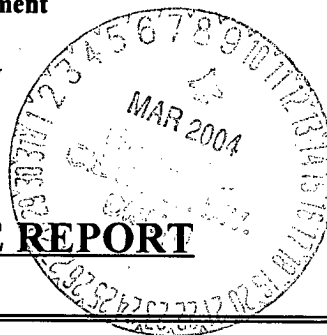
DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

30-039-21351



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

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

Facility or Well Name: VCM #4

Location: Unit or Qtr/Qtr Sec N Sec 25 T 28N R 4W County San Juan

Pit Type: Separator ☒ / Dehydrator ☐ Other PRODUCTION TANK

Land Type: BLM ☒ , State ☐ , Fee ☐ , Other NATIONAL FOREST

Pit Location:
(Attach diagram)

Pit dimensions: length NA , width NA , depth NA

Reference: wellhead X , other ☐

Footage from reference: 153'

Direction from reference: 86 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

CT031

SEP. / PROD. TANK PIT

Date Remediation Started: _____

Date Completed: 10/21/03

Remediation Method:

Excavation XApprox. 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.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 DocumentsSample depth 9.5' (Test hole bottom)Sample date 10/14/03 Sample time 1322

Sample Results

Soil: Benzene (ppm) 0.0022

Water: Benzene (ppb) _____

Total BTEX (ppm) 0.247

Toluene (ppb) _____

Field Headspace (ppm) 162.2

Ethylbenzene (ppb) _____

TPH (ppm) 0.5

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 10/21/03 PRINTED NAME Jeffrey C. BlaggSIGNATURE Jeffrey C. Blagg AND TITLE President P.E. # 11607

CLIENT: <u>XTO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CT031</u> COCR NO: <u>11132</u>																																
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																
LOCATION: NAME: <u>VCH</u> WELL #: <u>4</u> TYPE: <u>SEP./PROD.</u> QUAD/UNIT: <u>N</u> SEC: <u>25</u> TWP: <u>28N</u> RNG: <u>4W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1120'S/1690'W</u> SE 1/4 SW CONTRACTOR: <u>HOI (FERNANDO)</u>		DATE STARTED: <u>10/14/03</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																
EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>NA</u> DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>CLOSE AS IS</u> LAND USE: <u>RANGE-CARSON FOREST LEASE</u> FORMATION: <u>PC</u>																																		
FIELD NOTES & REMARKS:																																		
PIT LOCATED APPROXIMATELY <u>153</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>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM																																		
SOIL AND EXCAVATION DESCRIPTION:																																		
SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SHALE)</u> SOIL COLOR: <u>BROWNISH TO GRAYISH BLACK</u> <u>BEDROCK - LT. GRAY/DUSKY RED</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): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD MOISTURE: DRY / SLIGHTLY MOIST / <u>MOIST</u> / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - <u>SOIL IN TEST HOLE</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>SLIGHT IN SOIL ABOVE BEDROCK</u> SAMPLE TYPE: <u>GRAB</u> COMPOSITE - # OF PTS. <u>1</u> ADDITIONAL COMMENTS: <u>STEEL TANK REMOVE PRIOR TO ARRIVAL. SMALL QUANTITY OF TANK</u> <u>CONTENT ENTERED INTO PIT DEPRESSION UPON ITS REMOVAL. COLLECTED SAMPLE</u> <u>FROM BEDROCK. BEDROCK - SOFT TO HARD FRIABLE.</u>																																		
OVM CALIB. READ. = <u>53.4</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>1:30</u> am/pm DATE: <u>10/14/03</u>																																		
CLOSED																																		
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> </tbody> </table>			SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																								
SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																											
SCALE 0 FT PIT PERIMETER OVM READING <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @ 9.5'</td><td>162.2</td></tr> <tr><td>2 @</td><td> </td></tr> <tr><td>3 @</td><td> </td></tr> <tr><td>4 @</td><td> </td></tr> <tr><td>5 @</td><td> </td></tr> </tbody> </table>			SAMPLE ID	FIELD HEADSPACE (ppm)	1 @ 9.5'	162.2	2 @		3 @		4 @		5 @																					
SAMPLE ID	FIELD HEADSPACE (ppm)																																	
1 @ 9.5'	162.2																																	
2 @																																		
3 @																																		
4 @																																		
5 @																																		
LAB SAMPLES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td>1 @ 9.5'</td><td>TPH (80158)</td><td>1322</td></tr> <tr><td>"</td><td>STEX (80218)</td><td>"</td></tr> </tbody> </table> PIT PROFILE NOT APPLICABLE			SAMPLE ID	ANALYSIS	TIME	1 @ 9.5'	TPH (80158)	1322	"	STEX (80218)	"																							
SAMPLE ID	ANALYSIS	TIME																																
1 @ 9.5'	TPH (80158)	1322																																
"	STEX (80218)	"																																
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM																																		
TRAVEL NOTES: CALLOUT: <u>10/14/03 - MORN.</u> ONSITE: <u>10/14/03 - AFTER.</u>																																		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

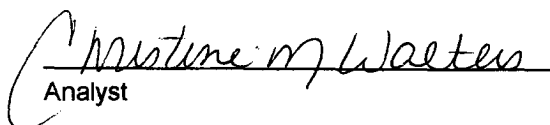
Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 9.5'	Date Reported:	10-21-03
Laboratory Number:	26911	Date Sampled:	10-14-03
Chain of Custody No:	11132	Date Received:	10-15-03
Sample Matrix:	Soil	Date Extracted:	10-17-03
Preservative:	Cool	Date Analyzed:	10-20-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

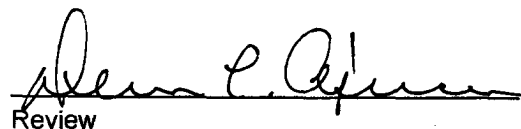
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.5	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	0.5	0.2

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: **VCU #4 Separator / Production Tank Pit - Grab Sample.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 9.5'	Date Reported:	10-20-03
Laboratory Number:	26911	Date Sampled:	10-14-03
Chain of Custody:	11132	Date Received:	10-15-03
Sample Matrix:	Soil	Date Analyzed:	10-20-03
Preservative:	Cool	Date Extracted:	10-17-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2.2	1.8
Toluene	53.7	1.7
Ethylbenzene	13.7	1.5
p,m-Xylene	138	2.2
o-Xylene	39.8	1.0
Total BTEX	247	

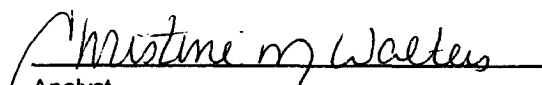
ND - Parameter not detected at the stated detection limit.

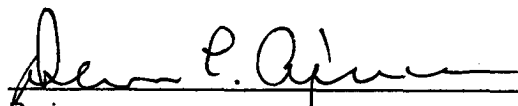
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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: VCU #4 Separator / Production Tank Pit Grab Sample.


Analyst


Review