

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

30-045-20374

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

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

Facility or Well Name: Bruington G.C.C. #1

Location: Unit or Qtr/Qtr Sec B Sec 21 T 30N R 11W County San Juan

Pit Type: Separator Dehydrator Other Blow

Land Type: BLM X ^{KAG}, State , Fee ✓, Other

Pit Location: Pit dimensions: length NA, width NA, depth NA
 (Attach diagram) Reference: wellhead X, other

Footage from reference: 315'

Direction from reference: 30 Degrees ✓ East North
 West South ✓

Depth To Groundwater: Less than 50 feet (20 points)
 (Vertical distance from 50 feet to 99 feet (10 points)
 contaminants to seasonal high water elevation of groundwater) Greater than 100 feet (0 points) 0

Wellhead Protection Area: Yes (20 points)
 (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources) No (0 points) 0

Distance To Surface Water: Less than 100 feet (20 points)
 (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) 100 feet to 1000 feet (10 points)
 Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Blow Pit

Date Remediation Started: _____

Date Completed: 9-27-02

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 5.5' (Test hole bottom)

Sample date 9-26-02 Sample time 0832

Sample Results

Soil: Benzene	(ppm) <u>0.0995</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>2.690</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>837</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>905</u>	Total Xylenes	(ppb) _____


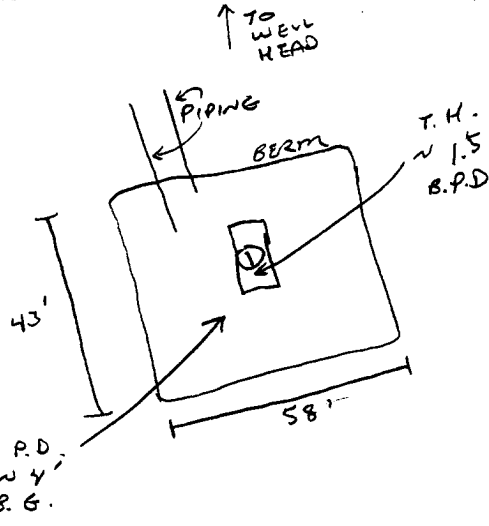
Groundwater Sample: Yes _____ No X (If yes, attach sample results)

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

DATE 9-27-02 PRINTED NAME Jeffrey C. Blagg

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

3004520374

CLIENT: <u>XTO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CT011</u> COCR NO: <u>10261</u>																																											
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																											
LOCATION: NAME: <u>BRUNSTON GC C WELL# 1</u> TYPE: <u>BLOW</u> QUAD/UNIT: <u>B SEC: 21 TWP: 30N RNG: 11W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>990'N/1450'E NW/NE</u> CONTRACTOR: <u>VAUGHN (SHANE)</u>		DATE STARTED: <u>9/26/02</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</u> LEASE: <u>FEE</u> FORMATION: <u>DK</u>																																													
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>315</u> FT. <u>S30E</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:		OVM CALIB. READ. = <u>53.2</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u> TIME: <u>8:00</u> am DATE: <u>9/26/02</u>																																											
SOIL TYPE: <u>(SAND)</u> SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SANDSTONE)</u> SOIL COLOR: <u>DR. YELL. ORANGE (SURFACE) TO MED. GRAY</u> BEDROCK - COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE / <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 CLOSED MOISTURE: DRY / <u>(SLIGHTLY MOIST)</u> MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> NO EXPLANATION - <u>TEST HOLE & BEDROCK SURFACE.</u> HC ODOR DETECTED: <u>YES</u> NO EXPLANATION - <u>TEST HOLE & OVM SAMPLE</u> SAMPLE TYPE: <u>(GRAB)</u> COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - HARD, FRIABLE.</u> <div style="border: 1px solid black; padding: 2px; display: inline-block;">BEDROCK BOTTOM</div>																																													
FIELD 418.1 CALCULATIONS																																													
SCALE  0 FT	<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/READING</th> <th>CALC. (ppm)</th> </tr> </thead> <tbody> <tr><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></tr> <tr><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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P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM																																													
TRAVEL NOTES: CALLOUT: <u>9/26/02 - MORN.</u> ONSITE: <u>9/26/02 - MORN.</u>																																													

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / XTO Energy
Sample ID: 1 @ 5.5'
Laboratory Number: 23894
Chain of Custody No: 10261
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

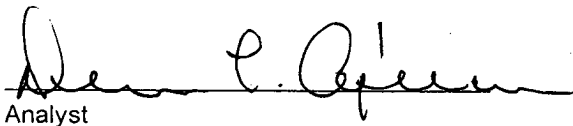
Project #: 94034-010
Date Reported: 09-27-02
Date Sampled: 09-26-02
Date Received: 09-26-02
Date Extracted: 09-26-02
Date Analyzed: 09-27-02
Analysis Requested: 8015 TPH

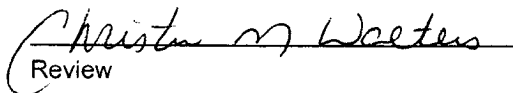
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	571	0.2
Diesel Range (C10 - C28)	334	0.1
Total Petroleum Hydrocarbons	905	0.2

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: Bruington GC C #1 Blow 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 @ 5.5'	Date Reported:	09-27-02
Laboratory Number:	23894	Date Sampled:	09-26-02
Chain of Custody:	10261	Date Received:	09-26-02
Sample Matrix:	Soil	Date Analyzed:	09-27-02
Preservative:	Cool	Date Extracted:	09-26-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	99.5	1.8
Toluene	661	1.7
Ethylbenzene	239	1.5
p,m-Xylene	1,230	2.2
o-Xylene	460	1.0
Total BTEX	2,690	

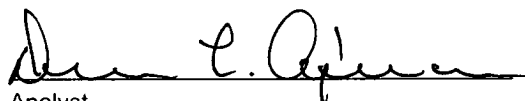
ND - Parameter not detected at the stated detection limit.

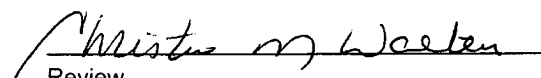
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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: Bruington GC C #1 Blow Pit Grab Sample.


Analyst


Review