

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

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004
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: PAN AM FEDERAL GC B #1E		API #: 30-045- 24842	U/L or Qtr/Qtr G Sec 31 T 30N R 11W
County: SAN JUAN Latitude 36.77132 Longitude 108.02864		NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐	
Pit Type: Drilling ☐ Production ☐ Disposal ☒ SEPARATOR Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type. Synthetic ☐ Thickness _____ mil Clay ☐ Pit Volume _____ bbl		Below-grade tank Volume: _____ bbl Type of fluid: N/A Construction material: N/A 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 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) 0 (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 No	(20 points) (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 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) 0 (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 _____. (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 141 FT. S39E FROM WELL HEAD.
PIT EXCAVATION: WIDTH NA ft., LENGTH NA ft., DEPTH NA ft.
PIT REMEDIATION: CLOSE AS IS: ☐, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☐, OTHER ☒ (explain) Dilution / Aeration.
Cubic yards: NA
BEDROCK BOTTOM.

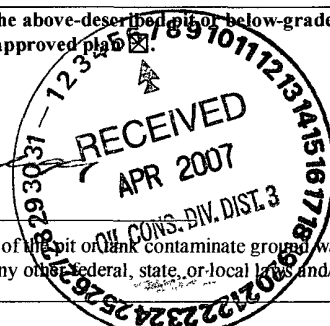
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an alternative OCD-approved plan ☐.

Date: **07/25/06**

Printed Name/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: **Deputy Oil & Gas Inspector, District #3** Signature: _____ Date: **SEP 10 2007**



CLIENT: <u>XTO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CT184</u> COCR NO: <u>14639</u>																																																
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u> D&A																																																
LOCATION: NAME: <u>PAN AM. FED. GC B</u> WELL #: <u>1E</u> TYPE: <u>SEP.</u> QUAD/UNIT: <u>G</u> SEC: <u>31</u> TWP: <u>30N</u> RNG: <u>11W</u> PM: <u>NM</u> CNTY: <u>ST. NM</u> QTR/FOOTAGE: <u>1710' N / 1660' E</u> SWLINE CONTRACTOR: <u>HDI (FERNANDO)</u>		DATE STARTED <u>7/21/06</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 - BLM</u> LEASE: <u>SF 078144</u> FORMATION: <u>DK</u>																																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>141</u> FT. <u>539E</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:																																																		
OVM CALIB. READ. = <u>53.8</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>3:19</u> am/pm DATE: <u>7/20/06</u>																																																		
SOIL TYPE <u>(SAND)</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SANDSTONE) C 5' BELOW</u> SOIL COLOR <u>MED GRAY TO BLACK</u> <u>BEDROCK - LT. GRAY</u> GRADE _____ COHESION (ALL OTHERS) <u>(NON COHESIVE)</u> SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS) <u>(LOOSE / 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 / <u>(SATURATED)</u> SUPER SATURATED DISCOLORATION/STAINING OBSERVED <u>(YES)</u> / NO EXPLANATION - <u>ENTIRE TEST HOLE & BEDROCK SURFACE.</u> HC ODOR DETECTED. YES / NO EXPLANATION - <u>ENTIRE TEST HOLE & OVM SAMPLE</u> SAMPLE TYPE: <u>(GRAB)</u> COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>COLLECTED SAMPLE FROM BEDROCK. BEDROCK - SOFT TO HARD, FRIABLE.</u> <u>INSTRUCTED OPERATOR TO DILUTE/AERATE IMPACTED SOIL & BEDROCK TO 7 FT.</u> <u>BEDW GRADE W/IN PIT, LEAVE IN PLACE, & CAP (DOME) BACKFILL OVER PIT.</u>																																																		
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</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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P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM																																																		
TRAVEL NOTES: CALLOUT: <u>7/20/06 - AFTER.</u> ONSITE: <u>7/21/06 - MORN. (SCHED.)</u>																																																		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

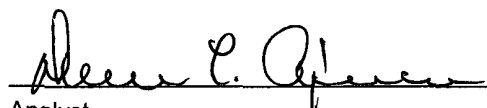
Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 7'	Date Reported:	07-25-06
Laboratory Number:	37949	Date Sampled:	07-21-06
Chain of Custody No:	14639	Date Received:	07-21-06
Sample Matrix:	Soil	Date Extracted:	07-24-06
Preservative:	Cool	Date Analyzed:	07-25-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	58.6	0.1
Total Petroleum Hydrocarbons	58.6	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: **Pan American Federal GC B #1E 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 @ 7'	Date Reported:	07-25-06
Laboratory Number:	37949	Date Sampled:	07-21-06
Chain of Custody:	14639	Date Received:	07-21-06
Sample Matrix:	Soil	Date Analyzed:	07-25-06
Preservative:	Cool	Date Extracted:	07-24-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	27.6	2.2
o-Xylene	ND	1.0
Total BTEX	27.6	

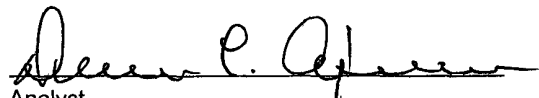
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Pan American Federal GC B #1E Separator Pit Grab Sample


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 7'	Date Reported:	07-25-06
Lab ID#:	37949	Date Sampled:	07-21-06
Sample Matrix:	Soil	Date Received:	07-21-06
Preservative:	Cool	Date Analyzed:	07-24-06
Condition:	Cool and Intact	Chain of Custody:	14639

Parameter	Concentration (mg/Kg)
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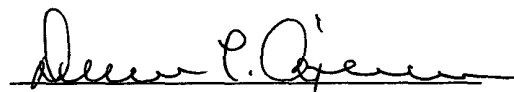
Total Chloride

22.0

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Pan American Federal GC B #1E Separator Pit Grab Sample


Analyst


Review

CHAIN OF CUSTODY RECORD

14639

Client / Project Name BLAGE / XTO ENERGY			Project Location PAN AMERICAN FEDERAL GC B #1E		ANALYSIS / PARAMETERS						
Sampler: NV			Client No. 94034-010		No. of Containers	TPH (3015B)	BTEX (3021B)	CASARIDE	Remarks		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix					PRESERVED COOL GLASS SAMPLES		
① @ 6'	7/21/06	0945	37948	SOIL	1	✓	✓	✓	BLOW PIT		
① @ 7'	7/21/06	1040	37949	SOIL	1	✓	✓	✓	SEPARATOR/ SEPARATOR PIT 75		
Relinquished by: (Signature) <i>[Signature]</i>			Date 7/21/06	Time 1155	Received by: (Signature) <i>[Signature]</i>			Date 7/21/06	Time 1155		
Relinquished by: (Signature)					Received by: (Signature)						
Relinquished by: (Signature)					Received by: (Signature)						
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615							Sample Receipt				
								Y	N	N/A	
							Received Intact	✓			
							Cool - Ice/Blue Ice	✓			

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	07-25-06 QA/QC	Date Reported:	07-25-06
Laboratory Number:	37935	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-25-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	07-11-05	9.9746E+002	9.9846E+002	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	1.0013E+003	1.0033E+003	0.20%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

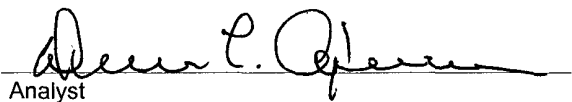
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	1,150	1,140	0.9%	0 - 30%
Diesel Range C10 - C28	2,120	2,110	0.5%	0 - 30%

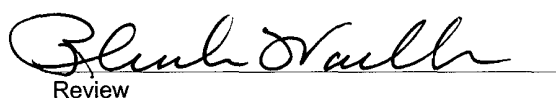
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	1,150	250	1,390	99.3%	75 - 125%
Diesel Range C10 - C28	2,120	250	2,360	99.6%	75 - 125%

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: QA/QC for Samples 37935 - 37938, 39742 - 37944, 37948 - 37949, 37951


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	07-25-BTEX QA/QC	Date Reported:	07-25-06
Laboratory Number:	37935	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-25-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	5.2342E+007	5.2447E+007	0.2%	ND	0.2
Toluene	6.7824E+007	6.7959E+007	0.2%	ND	0.2
Ethylbenzene	2.8682E+007	2.8740E+007	0.2%	ND	0.2
p,m-Xylene	1.1956E+008	1.1980E+008	0.2%	ND	0.2
o-Xylene	6.5571E+007	6.5702E+007	0.2%	ND	0.1

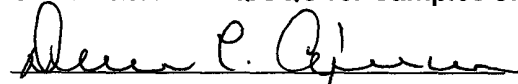
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	558	557	0.2%	0 - 30%	1.8
Toluene	2,340	2,330	0.4%	0 - 30%	1.7
Ethylbenzene	5,420	5,410	0.2%	0 - 30%	1.5
p,m-Xylene	11,420	11,410	0.1%	0 - 30%	2.2
o-Xylene	3,910	3,900	0.3%	0 - 30%	1.0

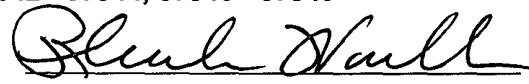
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	558	50.0	607	99.8%	39 - 150
Toluene	2,340	50.0	2,380	99.6%	46 - 148
Ethylbenzene	5,420	50.0	5,450	99.6%	32 - 160
p,m-Xylene	11,420	100	11,480	99.7%	46 - 148
o-Xylene	3,910	50.0	3,940	99.5%	46 - 148

ND - Parameter not detected at the stated detection limit.

References. Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 37935 - 37937, 37942 - 37944, 37948 - 37949


Analyst


Review