

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: HANSON #3		API #: 30-045- 21428	U/L or Qtr/Qtr D Sec 5 T 25N R 10W
County: SAN JUAN Latitude 36.43525 Longitude 107.92540		NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐	
Pit Type: Drilling ☐ Production ☐ Disposal ☒ PROD. TANK 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 ☐ No ☒ If yes, 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 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 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 points) 0
		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 156 FT. S70W 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 ☐

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: **02/20/06**

PrintedName/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,**
Printed Name/Title **District #3**

Signature _____

Date: **SEP 10 2007**

CLIENT: XTO

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

LOCATION NO: CT170
COCR NO: 14533

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: HANSON WELL #: 3 TYPE: PROD. TANK
QUAD/UNIT: D SEC: 5 TWP: 25N RNG: 10W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 800'N/800'W NW/4W CONTRACTOR: CORE SERV. (ROBERT)

DATE STARTED: 2/16/06
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: SF 080373 FORMATION: DK

FIELD NOTES & REMARKS:
PIT LOCATED APPROXIMATELY 156 FT. S70W FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: >1,000'
NMOCD RANKING SCORE: 6 NMOCD TPH CLOSURE STD: 5,000 PPM

SOIL AND EXCAVATION DESCRIPTION:
SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER
SOIL COLOR: OLIVE GRAY TO BLACK
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 - SET. 1-10' BELOW GRADE (VARYING GRAY & STRONG)
HC ODOR DETECTED YES / NO EXPLANATION - EXCAVATED SOIL & OVM SAMPLE.
SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS
ADDITIONAL COMMENTS: WET BLACK PARAFFIN LIKE SOIL @ PIT SURFACE DESCRIBED BY OPERATOR.
REMAINING PORTION OF EXCAVATION VARYING IN GRAY. INSTRUCTED OPERATOR TO DITCH/AERATE IMPACTED EXCAVATED SOIL & PLACE BACK INTO EXCAVATION.

OVM CALIB. READ. = 53.3 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 3:20 am/pm DATE: 2/16/06

SCALE
0 1 2 FT

FIELD 418.1 CALCULATIONS

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

PIT PERIMETER

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 10'	501
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
① P 10'	TPH	1600
"	BTEX	"
"	CHLORIDE	"
	PASSED	

PIT PROFILE

TRAVEL NOTES: CALLOUT: 2/16/06-MORN- ONSITE: 2/16/06-AFTER.

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

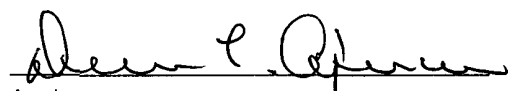
Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 10'	Date Reported:	02-20-06
Laboratory Number:	36267	Date Sampled:	02-16-06
Chain of Custody No:	14533	Date Received:	02-17-06
Sample Matrix:	Soil	Date Extracted:	02-18-06
Preservative:	Cool	Date Analyzed:	02-20-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

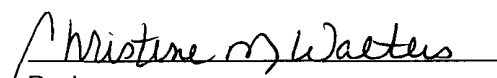
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.2	0.2
Diesel Range (C10 - C28)	7.7	0.1
Total Petroleum Hydrocarbons	11.9	0.2

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: **Hanson #3 - Production Tank 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 @ 10'	Date Reported:	02-20-06
Laboratory Number:	36267	Date Sampled:	02-16-06
Chain of Custody:	14533	Date Received:	02-17-06
Sample Matrix:	Soil	Date Analyzed:	02-20-06
Preservative:	Cool	Date Extracted:	02-18-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	3.0	1.8
Toluene	26.5	1.7
Ethylbenzene	17.6	1.5
p,m-Xylene	30.0	2.2
o-Xylene	42.6	1.0
Total BTEX	120	

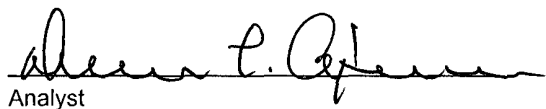
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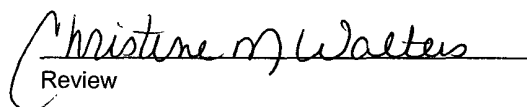
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Hanson #3 - Production Tank Pit Grab Sample.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 10'	Date Reported:	02-20-06
Lab ID#:	36267	Date Sampled:	02-16-06
Sample Matrix:	Soil	Date Received:	02-17-06
Preservative:	Cool	Date Analyzed:	02-20-06
Condition:	Cool and Intact	Chain of Custody:	14533

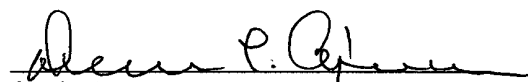
Parameter	Concentration (mg/Kg)
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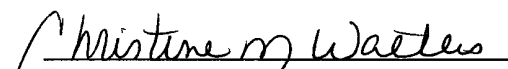
Total Chloride

9.9

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

Comments: Hanson #3 - Production Tank Pit Grab Sample.


Analyst


Review

CHAIN OF CUSTODY RECORD

14533

Client / Project Name BLAGE / XTO ENERGY			Project Location HANSON LEASE		ANALYSIS / PARAMETERS							
Sampler: NV			Client No. 94034-010		No. of Containers	TAP (80158)	BTX (80216)	CHLORIDE	Remarks			
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix					PRESERVED CO2 GRAB SAMPLES			
① e 6'	2/16/06	1506	36264	SOIL	1	✓	✓	✓	HANSON #1 - SEPARATOR PIT HANSON #1 NV			
① e 6'	2/16/06	1528	36265	SOIL	1	✓	✓	✓	HANSON #1 - PRODUCTION TANK PIT			
① e 8'	2/16/06	1541	36266	SOIL	1	✓	✓	✓	HANSON #2 - PRODUCTION TANK PIT			
① e 10'	2/16/06	1600	36267	SOIL	1	✓	✓	✓	HANSON #3 - PRODUCTION TANK PIT			
Relinquished by: (Signature) <i>[Signature]</i>			Date 2/17/06	Time 0846	Received by: (Signature) <i>[Signature]</i>			Date 2/17/06	Time 0846			
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:	02-20-06 QA/QC	Date Reported:	02-20-06
Laboratory Number:	36264	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-20-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	02-04-05	1.0083E+003	1.0093E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	1.0020E+003	1.0040E+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

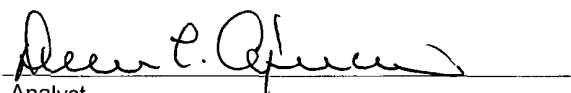
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	353	356	0.8%	0 - 30%
Diesel Range C10 - C28	771	773	0.2%	0 - 30%

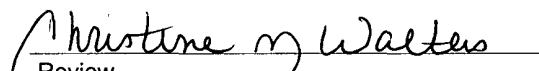
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	353	250	603	99.9%	75 - 125%
Diesel Range C10 - C28	771	250	1,020	99.9%	75 - 125%

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 36264 - 36273.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	02-20-BTEX QA/QC	Date Reported:	02-20-06
Laboratory Number:	36264	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-20-06
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	3.6470E+006	3.6543E+006	0.2%	ND	0.2
Toluene	8.6272E+007	8.6444E+007	0.2%	ND	0.2
Ethylbenzene	7.5482E+007	7.5634E+007	0.2%	ND	0.2
p,m-Xylene	1.6427E+008	1.6460E+008	0.2%	ND	0.2
o-Xylene	8.3597E+007	8.3765E+007	0.2%	ND	0.1

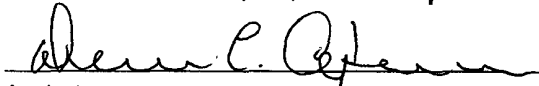
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	421	420	0.2%	0 - 30%	1.8
Toluene	171	170	0.5%	0 - 30%	1.7
Ethylbenzene	297	296	0.3%	0 - 30%	1.5
p,m-Xylene	4,090	4,080	0.2%	0 - 30%	2.2
o-Xylene	539	538	0.2%	0 - 30%	1.0

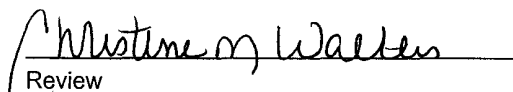
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	421	50.0	471	99.8%	39 - 150
Toluene	171	50.0	220	99.9%	46 - 148
Ethylbenzene	297	50.0	346	99.8%	32 - 160
p,m-Xylene	4,090	100	4,180	99.8%	46 - 148
o-Xylene	539	50.0	588	99.8%	46 - 148

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 36264 - 36272.


Analyst


Review