

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

Form C-144  
June 1, 2004

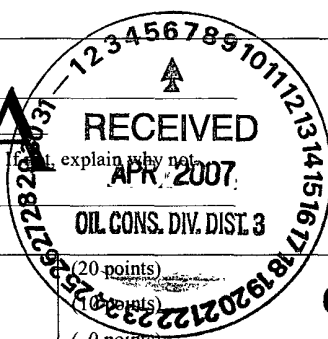
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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: <b>XTO ENERGY INC.</b> Telephone: <b>(505)-324-1090</b> e-mail address: _____			
Address: <b>2700 FARMINGTON AVE., BLDG. K, SUITE 1, FARMINGTON, NM 87401</b>			
Facility or well name: <b>HANSON #2</b>	API #: <b>30-045-21385</b>	U/L or Qtr/Qtr <b>L</b> Sec <b>6</b> T <b>25N</b> R <b>10W</b>	
County: <b>SAN JUAN</b> Latitude <b>36.42681</b> Longitude <b>107.94321</b>	NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/> Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
<b>Pit</b> Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> <b>PROD. TANK</b> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	<b>Below-grade tank</b> Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If no, 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 (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (0 points)		<b>0</b>
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)		<b>0</b>
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (0 points)		<b>0</b>
<b>Ranking Score (Total Points)</b>			<b>0</b>

**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: <b>PIT LOCATED APPROXIMATELY 132 FT. S59E FROM WELL HEAD.</b>
<b>PIT EXCAVATION: WIDTH NA ft., LENGTH NA ft., DEPTH NA ft.</b>
<b>PIT REMEDIATION: CLOSE AS IS: <input type="checkbox"/>, LANDFARM: <input type="checkbox"/>, COMPOST: <input type="checkbox"/>, STOCKPILE: <input type="checkbox"/>, OTHER <input checked="" type="checkbox"/> (explain) <b>Dilution / Aeration.</b></b>
<b>Cubic yards: <input type="checkbox"/> NA <input type="checkbox"/></b>
<b>BEDROCK BOTTOM.</b>

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 ☒.

**02/20/06**

Date: \_\_\_\_\_

**Jeff Blagg – P.E. # 11607**

PrintedName/Title

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**

Printed Name/Title

Signature

**SEP 10 2007**

Date: \_\_\_\_\_

30045 21385

36.42681/107.94321

CLIENT: XTO
**BLAGG ENGINEERING, INC.**  
**P.O. BOX 87, BLOOMFIELD, NM 87413**  
**(505) 632-1199**
LOCATION NO: CT169COCR NO: 14533**FIELD REPORT: PIT CLOSURE VERIFICATION**PAGE No: 1 of 1 DJALOCATION: NAME: HANSON WELL # 2 TYPE: PROD. TANKQUAD/UNIT: L SEC 6 TWP: 25N RING: 10W PM: NM CNTY: ST ST: NMQTR/FOOTAGE: 1450'S/800'W NW/SEW CONTRACTOR: CORE SERV. (ROBERT)DATE STARTED: 2/16/06

DATE FINISHED: \_\_\_\_\_

ENVIRONMENTAL SPECIALIST: NVEXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: NADISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS ISLAND USE: RANGE - BURN LEASE: SF 080373 FORMATION: DK**FIELD NOTES & REMARKS:**PIT LOCATED APPROXIMATELY 132 FT. 559E FROM WELLHEAD.DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER >1,000'NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5,000 PPM**SOIL AND EXCAVATION DESCRIPTION:** ELEV. - 6488'
OVM CALIB. READ. = 53.3 ppm  
OVM CALIB. GAS = 100 ppm RF = 0.52  
TIME: 3:20 am/pm DATE: 2/16/06
SOIL TYPE: (SAND) SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (GILTSSTONE)SOIL COLOR PALE YELL. ORANGE TO MED. GRAY BEDROCK - IT/MED. GRAYCOHESION (ALL OTHERS): NON COHESIVE SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): LOOSE/FIRM DENSE / VERY DENSE

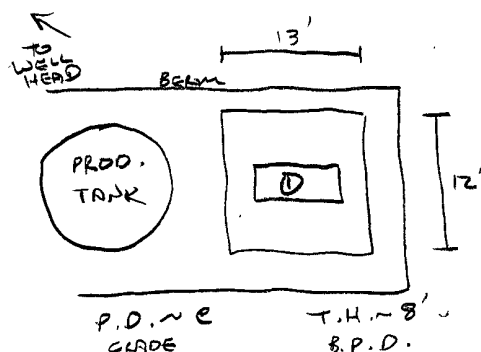
PLASTICITY (CLAYS) NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARDMOISTURE DRY / SLIGHTLY MOIST / MOIST WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION - VARIABLE GRAYS BET. 3'-8' BELOW GRADEHC ODOR DETECTED YES NO EXPLANATION - TEST HOLE & OVM SAMPLESAMPLE TYPE GRAB COMPOSITE - # OF PTS. 1
ADDITIONAL COMMENTS: COLLECTED SAMPLE FROM BEDROCK @ 8' BELOW GRADE. BEDROCK - SOFT, FRIABLE.  
INSTRUCTED OPERATOR TO DILUTE/AERATE IMPACTED SOIL W/IN PIT AREA (DIMENSIONS NOTED BELOW) & LEAVE IN PLACE.  
BEDROCK BOTTOM
CLOSED**SCALE**

0 FT

**FIELD 418.1 CALCULATIONS**

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

**PIT PERIMETER****PIT PROFILE****OVM READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 8'	1,064
2 @	
3 @	
4 @	
5 @	

**LAB SAMPLES**

SAMPLE ID	ANALYSIS	TIME
1 @ 8'	TPH (80158)	1541
"	BTEX (80218)	"
"	CHLORIDE	"

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: 2/16/06 - MORN. ONSITE: 2/16/06 - AFTER.

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

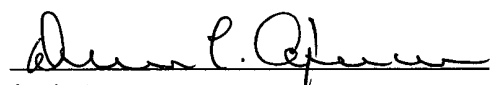
Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 8'	Date Reported:	02-20-06
Laboratory Number:	36266	Date Sampled:	02-16-06
Chain of Custody No:	14533	Date Received:	02-17-06
Sample Matrix:	Soil	Date Extracted:	02-18-06
Preservative:	Cool	Date Analyzed:	02-20-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

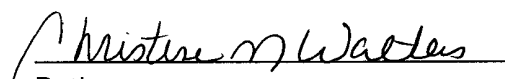
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2,910	0.2
Diesel Range (C10 - C28)	1,140	0.1
Total Petroleum Hydrocarbons	4,050	0.2

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 #2 - 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 @ 8'	Date Reported:	02-20-06
Laboratory Number:	36266	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	4,310	1.8
Toluene	5,670	1.7
Ethylbenzene	3,130	1.5
p,m-Xylene	13,920	2.2
o-Xylene	6,560	1.0
Total BTEX	33,590	


ND - Parameter not detected at the stated detection limit.

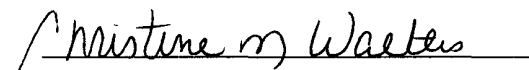
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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 #2 - 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 @ 8'	Date Reported:	02-20-06
Lab ID#:	36266	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

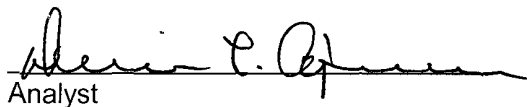
Concentration (mg/Kg)

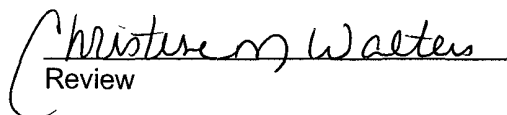
Total Chloride

4.2

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

Comments: Hanson #2 - Production Tank Pit Grab Sample.

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

14533

Client / Project Name <b>BLAGE / XTO ENERGY</b>			Project Location <b>HANSON LEASE</b>		ANALYSIS / PARAMETERS							
Sampler: <b>NV</b>			Client No. <b>94034-010</b>		No. of Containers	TAP (501.58)	BTX (502.18)	CHLORIDE	Remarks			
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix					PRESERVED COOL GRAB SAMPLES			
① @ 6'	2/16/06	1506	36264	SOIL	1	✓	✓	✓	HANSON #1 - SEPARATOR PIT <del>HANSON #1 - NV</del>			
① @ 6'	2/16/06	1528	36265	SOIL	1	✓	✓	✓	HANSON #1 - PRODUCTION TANK PIT			
① @ 8'	2/16/06	1541	36266	SOIL	1	✓	✓	✓	HANSON #2 - PRODUCTION TANK PIT			
① @ 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)					

<b>ENVIROTECH INC.</b> 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

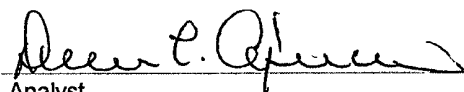
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	353	356	0.8%	0 - 30%
Diesel Range C10 - C28	771	773	0.2%	0 - 30%

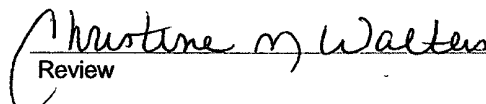
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	353	250	603	99.9%	75 - 125%
Diesel Range C10 - C28	771	250	1,020	99.9%	75 - 125%

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	G-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

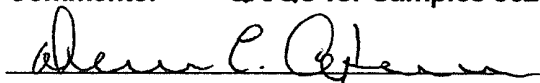
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	421	420	0.2%	0 - 30%	1.8
Toluene	171	170	0.5%	0 - 30%	1.7
Ethylbenzene	297	296	0.3%	0 - 30%	1.5
p,m-Xylene	4,090	4,080	0.2%	0 - 30%	2.2
o-Xylene	539	538	0.2%	0 - 30%	1.0

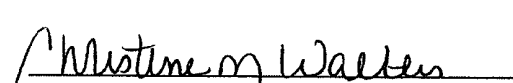
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	421	50.0	471	99.8%	39 - 150
Toluene	171	50.0	220	99.9%	46 - 148
Ethylbenzene	297	50.0	346	99.8%	32 - 160
p,m-Xylene	4,090	100	4,180	99.8%	46 - 148
o-Xylene	539	50.0	588	99.8%	46 - 148

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