

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: 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: PIPKIN, P.O. #2E		API #: 30-045-25105	U/L or Qtr/Qtr E Sec 8 T 27N R 10W
County: SAN JUAN Latitude 36.59237 Longitude 107.92471		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 147 FT. N22W FROM WELL HEAD.
PIT EXCAVATION: WIDTH NA ft., LENGTH NA ft., DEPTH NA ft.
PIT REMEDIATION: CLOSE AS IS: ☒, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☐, OTHER ☐ (explain)
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 ☒.

05/31/06

Date: _____

Jeff Blagg – P.E. # 11607

Printed Name/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

Date:

SEP 10 2007

$$36.59237 \times 107.92471$$

CLIENT: <u>XTO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CT180</u> COCR NO: <u>14651</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>P.O. PIRKIN</u> WELL#: <u>ZE</u> TYPE: <u>SEP</u> QUAD/UNIT: <u>E</u> SEC: <u>8</u> TWP: <u>27N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1680 FNL x 810 FWL SW(NW)</u> CONTRACTOR: <u>KELCO</u>	DATE STARTED <u>5/23/06</u> DATE FINISHED <u>5/23/06</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>
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EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>0</u>
DISPOSAL FACILITY: <u>NA</u> REMEDIATION METHOD: <u>CLOSE AS IS</u>
LAND USE: <u>RANGE - BLM</u> LEASE: <u>SF - 077875</u> FORMATION: <u>DK</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>147</u> FT. <u>N22W</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u> NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM
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SOIL AND EXCAVATION DESCRIPTION:	OVM CALIB. READ. = <u>52.0</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>0630</u> am/pm DATE: <u>5/23</u>
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SOIL TYPE: <u>SAND / SILTY SAND</u> SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: <u>Light tan</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / FIRM / DENSE / VERY DENSE PLASTICITY (CLAYS): <u>NON PLASTIC</u> / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): <u>SOFT</u> / FIRM / STIFF / VERY STIFF / HARD MOISTURE <u>DRY</u> <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION: <u>Light Gray to 7' BG</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION: <u>Moderate</u> SAMPLE TYPE: <u>GRAB/COMPOSITE</u> # OF PTS. <u>14</u> ADDITIONAL COMMENTS: <u>12' x 12' x 4' ± Deep Unlined Pit - Use BACKHUE to dig into PIT & SAMPLE</u>	CLOSED
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FIELD 418.1 CALCULATIONS							
SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

SCALE

0 FT

1

PIT PERIMETER

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
C @ 7'	254
4-p @ 7'	167

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
C @ 7'	T/B/CL	1040
4-p @	il	1050

PASSED

PIT PROFILE

P.D = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW

T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM

TRAVEL NOTES:	CALLOUT: _____ ONSITE: <u>5/23/06</u>
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

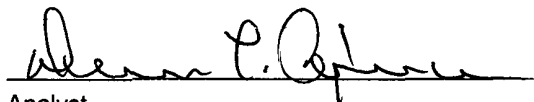
Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	4-Pt @ 7'	Date Reported:	05-31-06
Laboratory Number:	37240	Date Sampled:	05-23-06
Chain of Custody No:	14651	Date Received:	05-24-06
Sample Matrix:	Soil	Date Extracted:	05-25-06
Preservative:	Cool	Date Analyzed:	05-31-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

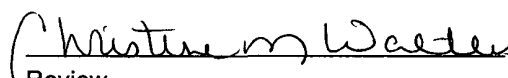
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	217	0.2
Diesel Range (C10 - C28)	1,020	0.1
Total Petroleum Hydrocarbons	1,240	0.2

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: **P. O. Pipkin 2E Sep. Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	4-Pt @ 7'	Date Reported:	05-31-06
Laboratory Number:	37240	Date Sampled:	05-23-06
Chain of Custody:	14651	Date Received:	05-24-06
Sample Matrix:	Soil	Date Analyzed:	05-31-06
Preservative:	Cool	Date Extracted:	05-25-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	207	1.7
Ethylbenzene	1,250	1.5
p,m-Xylene	4,270	2.2
o-Xylene	1,320	1.0
Total BTEX	7,050	

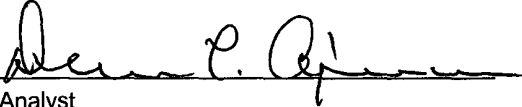
ND - Parameter not detected at the stated detection limit.

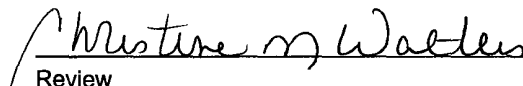
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: P. O. Pipkin 2E Sep. Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	4-Pt @ 7'	Date Reported:	05-31-06
Lab ID#:	37240	Date Sampled:	05-23-06
Sample Matrix:	Soil	Date Received:	05-24-06
Preservative:	Cool	Date Analyzed:	05-25-06
Condition:	Cool and Intact	Chain of Custody:	14651

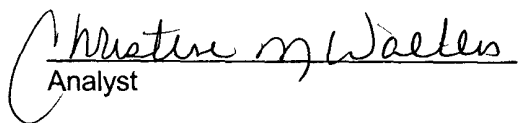
Parameter	Concentration (mg/Kg)
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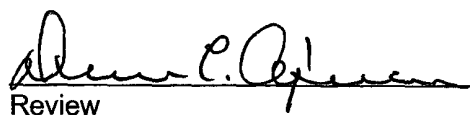
Total Chloride

386

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

Comments: P. O. Pipkin 2E Sep. Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

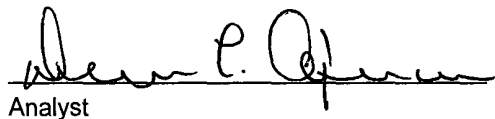
Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	C @ 7'	Date Reported:	05-31-06
Laboratory Number:	37239	Date Sampled:	05-23-06
Chain of Custody No:	14651	Date Received:	05-24-06
Sample Matrix:	Soil	Date Extracted:	05-25-06
Preservative:	Cool	Date Analyzed:	05-31-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

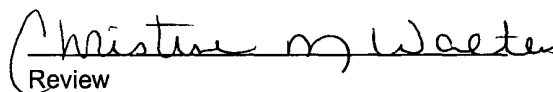
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	381	0.2
Diesel Range (C10 - C28)	1,430	0.1
Total Petroleum Hydrocarbons	1,810	0.2

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: P. O. Pipkin 2E Sep. Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	C @ 7'	Date Reported:	05-31-06
Laboratory Number:	37239	Date Sampled:	05-23-06
Chain of Custody:	14651	Date Received:	05-24-06
Sample Matrix:	Soil	Date Analyzed:	05-31-06
Preservative:	Cool	Date Extracted:	05-25-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	311	1.7
Ethylbenzene	2,180	1.5
p,m-Xylene	6,970	2.2
o-Xylene	2,110	1.0
Total BTEX	11,570	

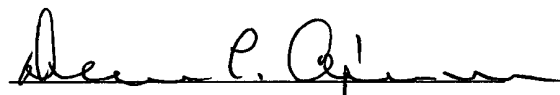
ND - Parameter not detected at the stated detection limit.

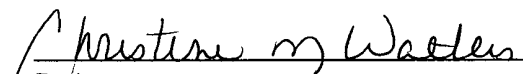
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: P. O. Pipkin 2E Sep. Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	C @ 7'	Date Reported:	05-31-06
Lab ID#:	37239	Date Sampled:	05-23-06
Sample Matrix:	Soil	Date Received:	05-24-06
Preservative:	Cool	Date Analyzed:	05-25-06
Condition:	Cool and Intact	Chain of Custody:	14651

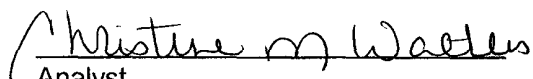
Parameter	Concentration (mg/Kg)
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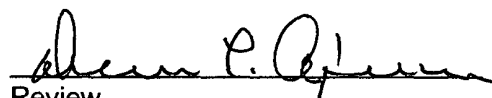
Total Chloride

308

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

Comments: P. O. Pipkin 2E Sep. Pit.


Analyst


Review

CHAIN OF CUSTODY RECORD

14651

Client / Project Name BLAGG / XTO			Project Location P.O. PIPKIN 2E		ANALYSIS / PARAMETERS								
Sampler: J. C. Blagg			Client No. 94034-010		No. of Containers	TPH	BTEX	CL-				Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
C@7'	5/23/06	1015	37237	SOIL	1	X	X	X				DEHY PIT	
4-Pe @7'	"	1030	37238	"	1	X	X	X				"	
C@7'	"	1040	37239	"	1	X	X	X				SEP. PIT	
4-Pe @7'	"	1050	37240	"	1	X	X	X				"	
Relinquished by: (Signature) J. C. Blagg			Date 5/24/06	Time 1530	Received by: (Signature) Christina Walters						Date 5/24/06	Time 1530	
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:	05-31-06 QA/QC	Date Reported:	05-31-06
Laboratory Number:	37237	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-31-06
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	1.0066E+003	1.0076E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	9.9888E+002	1.0009E+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

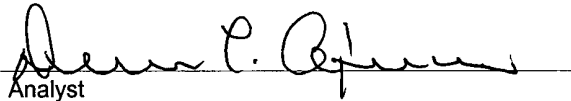
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	1.2	1.2	0.0%	0 - 30%

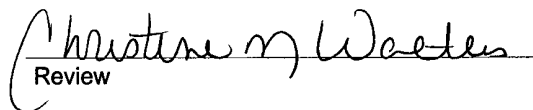
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	1.2	250	251	99.9%	75 - 125%

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 37237 - 37244, 37249 - 37250.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	05-31-BTEX QA/QC	Date Reported:	05-31-06
Laboratory Number:	37237	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-31-06
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	6.4462E+005	6.4592E+005	0.2%	ND	0.2
Toluene	7.8299E+007	7.8456E+007	0.2%	ND	0.2
Ethylbenzene	4.1978E+007	4.2062E+007	0.2%	ND	0.2
p,m-Xylene	1.7208E+008	1.7243E+008	0.2%	ND	0.2
o-Xylene	8.6785E+007	8.6959E+007	0.2%	ND	0.1

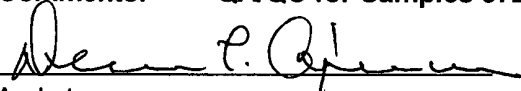
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	4.2	4.2	0.0%	0 - 30%	1.7
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.5
p,m-Xylene	15.0	14.9	0.7%	0 - 30%	2.2
o-Xylene	5.5	5.5	0.0%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	4.2	50.0	54.1	99.8%	46 - 148
Ethylbenzene	ND	50.0	50.0	100.0%	32 - 160
p,m-Xylene	15.0	100	114	99.5%	46 - 148
o-Xylene	5.5	50.0	55.4	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 37237 - 37244.


Analyst


Review