

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

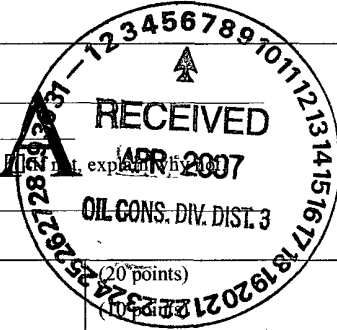
For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**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: <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>McADAMS, C.A. D #1E</b>		API #: <b>30-045- 25637</b>	U/L or Qtr/Qtr <b>C</b> Sec <b>20</b> T <b>27N</b> R <b>10W</b>
County: <b>SAN JUAN</b> Latitude <b>36.56567</b> Longitude <b>107.92259</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>SEPARATOR</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: <b>N</b> Construction material: <b>N</b> Double-walled, with leak detection? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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) <b>0</b> ( 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) <b>0</b> ( 0 points)
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) <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 105 FT. N89E FROM WELL HEAD.</b>
<b>PIT EXCAVATION: WIDTH NA ft., LENGTH NA ft., DEPTH NA ft.</b>
<b>PIT REMEDIATION: CLOSE AS IS: <input checked="" type="checkbox"/> LANDFARM: <input type="checkbox"/> COMPOST: <input type="checkbox"/> STOCKPILE: <input type="checkbox"/> OTHER <input type="checkbox"/> (explain)</b>
<b>Cubic yards: <input type="text" value="NA"/></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 ☒.

**08/01/06**

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**


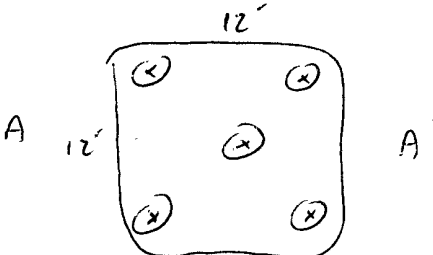
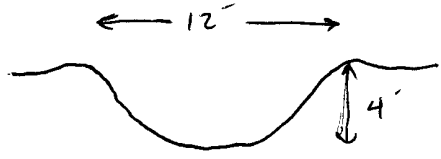
Printed Name/Title

Signature

Date:

**SEP 10 2007**

30-045-25637

CLIENT: <u>XTO</u>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	LOCATION NO: <u>CT185</u> COCR NO: <u>14665</u>																																																
<b>FIELD REPORT: PIT CLOSURE VERIFICATION</b>		PAGE No: <u>1</u> of <u>1</u>																																																
LOCATION: NAME: <u>C.A. McADAMS D</u> WELL#: <u>1E</u> TYPE: <u>SEP</u> QUAD/UNIT: <u>C SEC: 20 TWP: 27N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>860 FUL x 1550 FUL</u> <sup>NE (NW)</sup> CONTRACTOR: <u>KEECO (Melvin)</u>		DATE STARTED: <u>7-28-06</u> DATE FINISHED: <u>7-28-06</u> ENVIRONMENTAL SPECIALIST: <u>JCS</u>																																																
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 - 077941A</u> FORMATION: <u>GAL</u>																																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>105</u> FT. <u>N89E</u> FROM WELLHEAD.																																																		
DEPTH TO GROUNDWATER: <u>&gt;100</u> NEAREST WATER SOURCE: <u>&gt;1000</u> NEAREST SURFACE WATER: <u>&gt;1000</u>																																																		
NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM																																																		
SOIL AND EXCAVATION DESCRIPTION:		OVM CALIB. READ. = <u>52.9</u> ppm OVM CALIB. GAS = <u>100</u> ppm <span style="float:right">RF = 0.52</span> TIME: <u>0610</u> (am/pm) DATE: <u>7/28</u>																																																
SOIL TYPE: SAND / <u>SILTY SAND / SILT / SILTY CLAY</u> / CLAY / GRAVEL / OTHER _____ SOIL COLOR: <u>Light Blue</u> COHESION (ALL OTHERS): NON COHESIVE / <u>SLIGHTLY COHESIVE / COHESIVE</u> / 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 MOISTURE: DRY / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>(YES)</u> NO EXPLANATION - <u>Gray Streaking</u> HC ODOR DETECTED: <u>(YES)</u> NO EXPLANATION - <u>Moderate</u> SAMPLE TYPE: GRAB / <u>COMPOSITE</u> - # OF PTS. <u>5</u> ADDITIONAL COMMENTS: <u>12' x 12' x 4' Deep Unlined Earthen Pit.</u> <u>USE Backhoe to dig into pit &amp; sample.</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> <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: _____ ONSITE: <u>7/28/06</u>																																																		

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

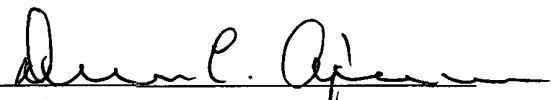
Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	5-Pt @ 8'	Date Reported:	08-01-06
Laboratory Number:	37997	Date Sampled:	07-28-06
Chain of Custody No:	14665	Date Received:	07-28-06
Sample Matrix:	Soil	Date Extracted:	07-31-06
Preservative:	Cool	Date Analyzed:	08-01-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

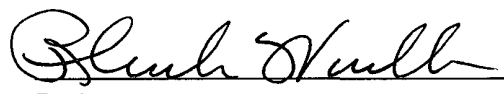
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	9.7	0.2
Diesel Range (C10 - C28)	216	0.1
Total Petroleum Hydrocarbons	226	0.2

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: **C. A. McAddams D #1E Blow 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:	5-Pt @ 8'	Date Reported:	08-01-06
Laboratory Number:	37997	Date Sampled:	07-28-06
Chain of Custody:	14665	Date Received:	07-28-06
Sample Matrix:	Soil	Date Analyzed:	08-01-06
Preservative:	Cool	Date Extracted:	07-31-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	34.4	1.8
Toluene	153	1.7
Ethylbenzene	590	1.5
p,m-Xylene	1,190	2.2
o-Xylene	155	1.0
Total BTEX	2,120	

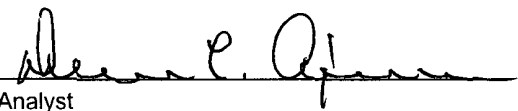
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: C. A. McAddams D #1E Sep Pit

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride

Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	5-Pt @ 8'	Date Reported:	08-01-06
Lab ID#:	37997	Date Sampled:	07-28-06
Sample Matrix:	Soil	Date Received:	07-28-06
Preservative:	Cool	Date Analyzed:	07-31-06
Condition:	Cool and Intact	Chain of Custody:	14665

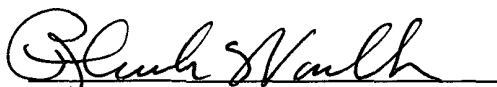
Parameter	Concentration (mg/Kg)
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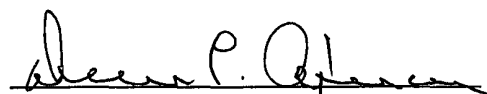
**Total Chloride**

**38.0**

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

Comments: **C. A. McAddams D #1E Sep Pit**

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

14665

Client / Project Name <b>BLAGO / XTO</b>			Project Location <b>C.A. McADAMS D # 1E</b>		ANALYSIS / PARAMETERS								
Sampler: <b>J.C. Slagg</b>			Client No. <b>94034-010</b>		No. of Containers	TPH	BTEX	CL				Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
<b>C @ 8'</b>	<b>7/23/06</b>	<b>0900</b>	<b>37996</b>	<b>SOIL</b>	<b>1</b>	<b>X</b>	<b>X</b>	<b>X</b>				<b>Blow Pit</b>	
<b>S-Pt @ 8'</b>	<b>"</b>	<b>1320</b>	<b>37997</b>	<b>"</b>	<b>1</b>	<b>X</b>	<b>X</b>	<b>X</b>				<b>SEP Pit</b>	
Relinquished by: (Signature) <b>J.C. Slagg</b>			Date <b>7/28/06</b>	Time <b>1501</b>	Received by: (Signature) <b>[Signature]</b>			Date <b>7/28/06</b>	Time <b>1501</b>				
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	<b>i</b>		
										Cool - Ice/Blue Ice	<b>i</b>		

# 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:	08-01-06 QA/QC	Date Reported:	08-01-06
Laboratory Number:	37996	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-01-06
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	9.9859E+002	9.9959E+002	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	9.9904E+002	1.0010E+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

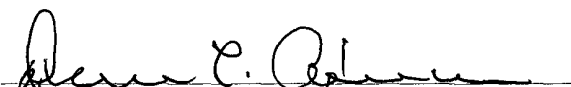
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	22.9	22.7	0.9%	0 - 30%
Diesel Range C10 - C28	74.3	73.9	0.5%	0 - 30%

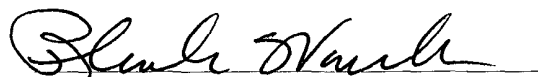
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	22.9	250	272	99.8%	75 - 125%
Diesel Range C10 - C28	74.3	250	324	99.8%	75 - 125%

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 37996 - 38003, 38015

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	08-01-BTEX QA/QC	Date Reported:	08-01-06
Laboratory Number:	37996	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-01-06
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	2.3188E+007	2.3234E+007	0.2%	ND	0.2
Toluene	1.0013E+008	1.0033E+008	0.2%	ND	0.2
Ethylbenzene	4.4405E+007	4.4494E+007	0.2%	ND	0.2
p,m-Xylene	1.7256E+008	1.7290E+008	0.2%	ND	0.2
o-Xylene	1.0009E+008	1.0029E+008	0.2%	ND	0.1

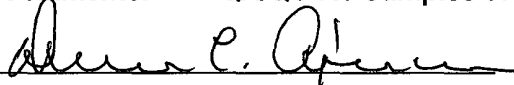
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	401	400	0.2%	0 - 30%	1.7
Ethylbenzene	2,560	2,550	0.4%	0 - 30%	1.5
p,m-Xylene	1,290	1,280	0.8%	0 - 30%	2.2
o-Xylene	195	194	0.4%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	39 - 150
Toluene	401	50.0	450	99.8%	46 - 148
Ethylbenzene	2,560	50.0	2,600	99.6%	32 - 160
p,m-Xylene	1,290	100	1,390	100.0%	46 - 148
o-Xylene	195	50.0	244	99.7%	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 37996 - 38003, 38015

  
Analyst

  
Review