

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

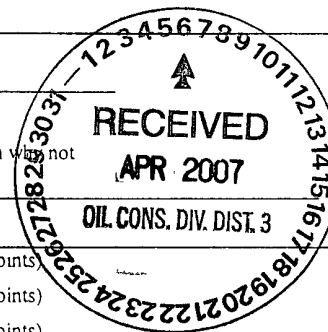
For drilling and production facilities, submit to
appropriate NMOCD District Office
For downstream facilities, submit to Santa Fe
office

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 <u>BP America Production Company</u> Telephone <u>(505)326-9200</u> e-mail address: _____		
Address <u>200 Energy Ct, Farmington, NM 87401</u>		
Facility or well name <u>FROST, JACK & #2E</u> API # <u>3004524372</u> U/L or Qtr/Qtr <u>H</u> Sec <u>27</u> T <u>27 N</u> R <u>10 W</u>		
County <u>San Juan</u> Latitude _____ Longitude _____ NAD 1927 ☐ 1983 ☐		
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐		
Pit Type: Drilling ☐ Production ☐ Disposal ☒ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness _____ mil Clay ☐ Pit Volume _____ bbl		
Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ 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	(20 points)
	50 feet or more, but less than 100 feet	(10 points)
	100 feet or more	(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	(20 points)
	No	(0 points)
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)
Ranking Score (Total Points)		



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
See Attached Documentation

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 (attached) alternative OCD-approved plan ☐.

Date: 11/01/2005

Printed Name/Title Jeffrey C. Blagg, Agent

Signature Jeffrey C. Blagg

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:

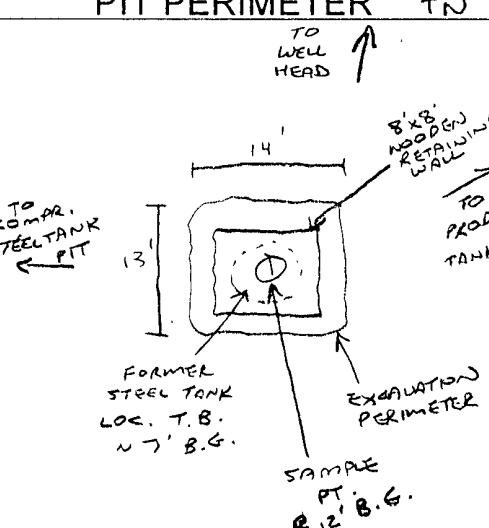
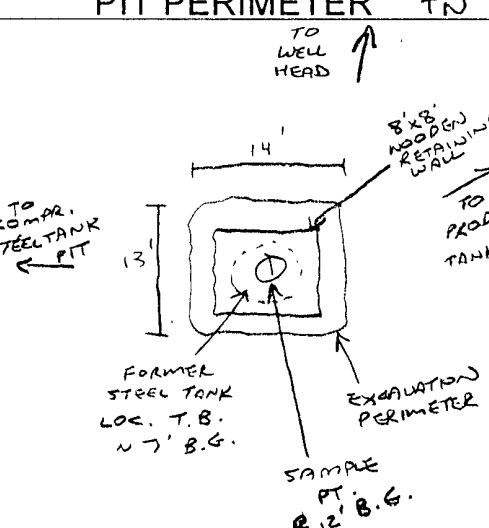
Deputy Oil & Gas Inspector,
District #3

Printed Name/Title _____

Signature [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>A0077</u> COCR NO: <u>10507</u>																																								
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																								
LOCATION: NAME: <u>FROST JACK B</u> WELL#: <u>2E</u> TYPE: <u>PROD. TANK</u> QUAD/UNIT: <u>H SEC 27 TWP: 27N RNG: 10W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>1630'N/790'E</u> SE/NE CONTRACTOR: <u>HDI (FERNANDO)</u>		DATE STARTED <u>2/19/03</u> DATE FINISHED _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																								
EXCAVATION APPROX. <u>14</u> FT. x <u>13</u> FT. x <u>4</u> FT. DEEP. CUBIC YARDAGE: <u>40</u>																																										
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>COMPOSTED</u>																																										
LAND USE: <u>RANGE - BLM</u> LEASE: <u>SF077951A</u> FORMATION: <u>GP/DK</u>																																										
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>156</u> FT. <u>S11W</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u><50'</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u><1000'</u> NMOCD RANKING SCORE <u>30</u> NMOCD TPH CLOSURE STD: <u>100</u> PPM																																										
SOIL AND EXCAVATION DESCRIPTION: <u>6220' GL</u> SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / <u>CLAY</u> GRAVEL / OTHER _____ SOIL COLOR <u>MOO. YELL. BROWN SAND</u> <u>CLAY - DUSKY RED c 12' BELOW GRADE (SAMPLED)</u> 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 <u>YES</u> / NO EXPLANATION - <u>PARAFFIN & BELOW TANK</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>ENTIRE PIT AREA</u> SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. <u>—</u> ADDITIONAL COMMENTS: <u>PARAFFIN OBSERVED ON BERM & W/IN ANNULAR OF RETAINING WALL & STEEL TANK. STEEL TANK REMOVED ALONG WITH ALL PARAFFIN. EXCAVATED MATERIAL MIXED WITH CATIE MANURE IMPORTED FROM NAPI FEED LOT (10 c y.)</u>		OVM CALIB. READ. = <u>51.2</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>1:00</u> am/pm DATE: <u>2/14/03</u>																																								
FIELD 418.1 CALCULATIONS																																										
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PD. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM																																										
TRAVEL NOTES: CALLOUT: <u>2/17/03 - AFTER.</u> ONSITE: <u>2/18/03 - MORN. 2/19/03 - MORN.</u>																																										

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

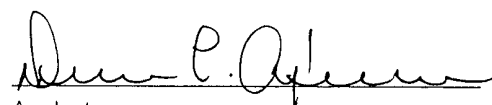
Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 12'	Date Reported:	02-21-03
Laboratory Number:	24887	Date Sampled:	02-19-03
Chain of Custody No:	10507	Date Received:	02-19-03
Sample Matrix:	Soil	Date Extracted:	02-20-03
Preservative:	Cool	Date Analyzed:	02-20-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

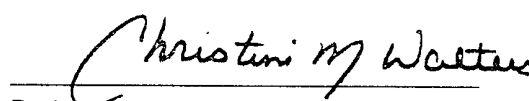
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	9.2	0.2
Diesel Range (C10 - C28)	23.5	0.1
Total Petroleum Hydrocarbons	32.7	0.2

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: Frost Jack B #2E Production Tank Pit.


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 @ 12'	Date Reported:	02-21-03
Laboratory Number:	24887	Date Sampled:	02-19-03
Chain of Custody:	10507	Date Received:	02-19-03
Sample Matrix:	Soil	Date Analyzed:	02-20-03
Preservative:	Cool	Date Extracted:	02-20-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2.9	1.8
Toluene	9.2	1.7
Ethylbenzene	7.3	1.5
p,m-Xylene	118	2.2
o-Xylene	30.1	1.0
Total BTEX	168	

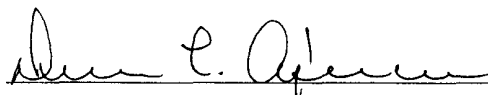
ND - Parameter not detected at the stated detection limit.

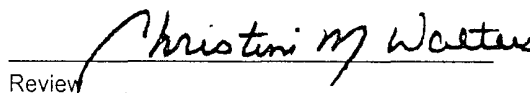
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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: Frost Jack B #2E Production Tank Pit.


Analyst


Review

CHAIN OF CUSTODY RECORD

10507

Client / Project Name BLAGG / XTO ENERGY			Project Location FROST JACK B # 2E		ANALYSIS / PARAMETERS									
Sampler: NTV			Client No. 94034-010		No. of Containers	TPH (8015B)	BTEX (8021B)					Remarks		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
① @ 12'	2/19/03	0955	24887	SOIL	1	✓	✓					PRODUCTION TANK PIT		
Relinquished by: (Signature) <i>[Signature]</i>			Date 2/19/03	Time 1115	Received by: (Signature) <i>[Signature]</i>			Date 2/19/03	Time 1115					
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-TPH QA/QC	Date Reported:	02-21-03
Laboratory Number:	24887	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-20-03
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	04-25-02	2.7355E-002	2.7328E-002	0.10%	0 - 15%
Diesel Range C10 - C28	04-25-02	2.4557E-002	2.4508E-002	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

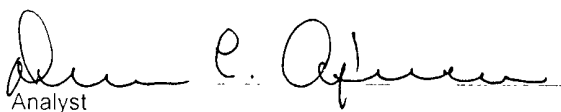
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	9.2	9.2	0.0%	0 - 30%
Diesel Range C10 - C28	23.5	23.4	0.4%	0 - 30%

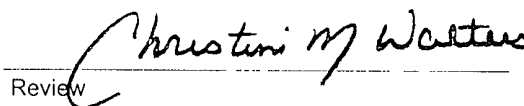
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	9.2	250	259	99.8%	75 - 125%
Diesel Range C10 - C28	23.5	250	273	99.8%	75 - 125%

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 24887 - 24891.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: N/A
Sample ID: 02-20-BTEX QA/QC
Laboratory Number: 24887
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 02-21-03
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 02-20-03
Analysis: BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff	Blank Conc	Detect Limit
		Accept: Range 0 - 15%			
Benzene	2.6914E-002	2.6995E-002	0.3%	ND	0.2
Toluene	3.3709E-002	3.3777E-002	0.2%	ND	0.2
Ethylbenzene	5.8262E-002	5.8438E-002	0.3%	ND	0.2
p,m-Xylene	7.1891E-002	7.2107E-002	0.3%	ND	0.2
o-Xylene	5.4522E-002	5.4631E-002	0.2%	ND	0.1

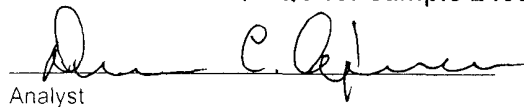
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	2.9	2.9	0.0%	0 - 30%	1.8
Toluene	9.2	9.0	2.2%	0 - 30%	1.7
Ethylbenzene	7.3	7.2	1.4%	0 - 30%	1.5
p,m-Xylene	118	116	2.0%	0 - 30%	2.2
o-Xylene	30.1	29.5	2.0%	0 - 30%	1.0

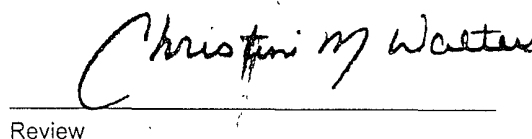
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	2.9	50.0	52.8	99.8%	39 - 150
Toluene	9.2	50.0	59.1	99.8%	46 - 148
Ethylbenzene	7.3	50.0	57.2	99.8%	32 - 160
p,m-Xylene	118	100	217	99.5%	46 - 148
o-Xylene	30.1	50.0	80.0	99.9%	46 - 148

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 sample 24887.


Analyst


Review