

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

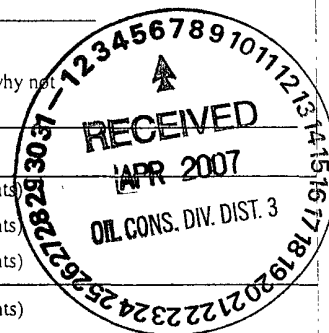
For drilling and production facilities, submit to
appropriate NMOCD District Office
For downstream facilities, submit to Santa Fe
office

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>MORRIS GC 8 #1</u> API # <u>3004506712</u> U/L or Qtr/Qtr <u>D</u> Sec <u>10</u> T <u>27</u> N R <u>10W</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 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (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)
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)
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

3004506712

CLIENT: <u>XTO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>CT003</u> C.O.C. NO: <u>9080</u>																																																																							
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																																																							
LOCATION: NAME: <u>MORRIS GC B</u> WELL #: <u>1</u> TYPE: <u>PROD/BLOW</u> QUAD/UNIT: <u>D</u> SEC: <u>10</u> TWP: <u>27N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1190N/1190W</u> NW/NE CONTRACTOR: <u>HIGH DESERT</u>		DATE STARTED: <u>6-12-02</u> DATE FINISHED: _____																																																																							
EXCAVATION APPROX. <u>28</u> FT x <u>42</u> FT. x <u>7</u> FT. DEEP CUBIC YARDAGE: <u>300</u>		ENVIRONMENTAL SPECIALIST: <u>NV/JCB</u>																																																																							
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARM</u> LAND USE: <u>BLM RANGE</u> LEASE: <u>SF 079596 177</u> FORMATION: <u>DK</u>																																																																									
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>165</u> FT. <u>S87°E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM																																																																									
SOIL AND EXCAVATION DESCRIPTION:		DVM CALIB. READ: <u>51.1</u> ppm DVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u> TIME: <u>12:50</u> am/pm DATE <u>6/12/02</u>																																																																							
SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SANDSTONE)</u> SOIL COLOR: <u>DK. YELL-ORANGE TO LT. MED. GRAY</u> BEDROCK: <u>LT. TO DK. GRAY</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / <u>FIRM</u> / 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> / <u>WET</u> / SATURATED / SUPER SATURATED <u>CLOSED</u> DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION: <u>MOSTLY BETWEEN NW & SW SAMP. PTS. & BOTTOM</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION: <u>W/IN EXCAVATION & DVM SAMPLES</u> SAMPLE TYPE: <u>GRAB</u> / <u>COMPOSITE</u> - # OF PTS. <u>4</u> ADDITIONAL COMMENTS: <u>BEDROCK - VERY FRAGILE, SOFT.</u>																																																																									
SCALE 0 FT <table border="1" style="width:100%; border-collapse: collapse;"> <caption>FIELD 418.1 CALCULATIONS</caption> <thead> <tr> <th>SAMP. TIME</th> <th>SAMPLE I.D.</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> </tbody> </table> PIT PERIMETER <u>4N</u> PIT PROFILE OVM RESULTS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @</td><td> </td></tr> <tr><td>2 @</td><td> </td></tr> <tr><td>3 @</td><td> </td></tr> <tr><td>4 @</td><td> </td></tr> <tr><td>5 @</td><td> </td></tr> <tr><td>SW-comp 4</td><td>37.9</td></tr> <tr><td>PB @ 7'</td><td>561</td></tr> </tbody> </table> LAB SAMPLES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td>PB @ 7'</td><td>TPH & BTEX</td><td>1026</td></tr> <tr><td>SW-comp 4</td><td>TPH ONLY</td><td>1024</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> PD = PIT DEPRESSION; B.G. = BELOW GRADE TH = TEST HOLE, ~ = APPROX., B = BELOW <u>ALL PASSED</u>			SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																																	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 @		2 @		3 @		4 @		5 @		SW-comp 4	37.9	PB @ 7'	561	SAMPLE ID	ANALYSIS	TIME	PB @ 7'	TPH & BTEX	1026	SW-comp 4	TPH ONLY	1024						
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TRAVEL NOTES: CALLOUT: <u>6/12/02 1000 AM</u> ONSITE <u>6/12/02 1145 AM</u>																																																																									

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

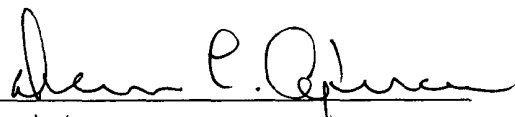
Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	PB @ 7'	Date Reported:	06-14-02
Laboratory Number:	23051	Date Sampled:	06-13-02
Chain of Custody No:	9080	Date Received:	06-13-02
Sample Matrix:	Soil	Date Extracted:	06-13-02
Preservative:	Cool	Date Analyzed:	06-14-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

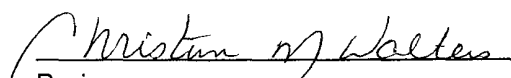
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	591	0.2
Diesel Range (C10 - C28)	2,060	0.1
Total Petroleum Hydrocarbons	2,650	0.2

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: **Morris GC B #1 Blow Pit Grab Sample.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	PB @ 7'	Date Reported:	06-14-02
Laboratory Number:	23051	Date Sampled:	06-13-02
Chain of Custody:	9980	Date Received:	06-13-02
Sample Matrix:	Soil	Date Analyzed:	06-14-02
Preservative:	Cool	Date Extracted:	06-13-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	37.5	1.8
Toluene	226	1.7
Ethylbenzene	77.9	1.5
p,m-Xylene	560	2.2
o-Xylene	239	1.0
Total BTEX	1,140	

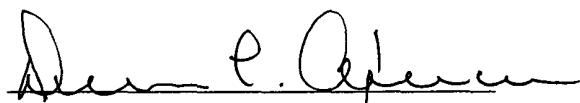
ND - Parameter not detected at the stated detection limit.

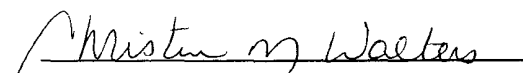
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97 %
	1,4-difluorobenzene	97 %
	Bromochlorobenzene	97 %

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: Morris GC B #1 Blow Pit Grab Sample.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

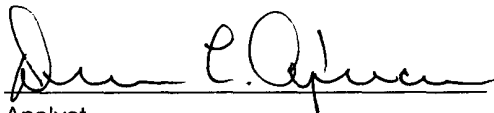
Client:	Blagg / XTO	Project #:	94034-010
Sample ID:	SW - Comp. @ 4'	Date Reported:	06-14-02
Laboratory Number:	23052	Date Sampled:	06-13-02
Chain of Custody No:	9080	Date Received:	06-13-02
Sample Matrix:	Soil	Date Extracted:	06-13-02
Preservative:	Cool	Date Analyzed:	06-14-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

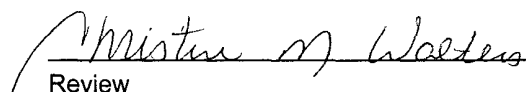
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	141	0.1
Total Petroleum Hydrocarbons	141	0.2

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: **Morris GC B #1 Blow Pit 4 Pt. Composite.**


Analyst


Review

CHAIN OF CUSTODY RECORD

09080

Client / Project Name XTO / BLAGE			Project Location BLOW PIT MORRIS GC B #1		ANALYSIS / PARAMETERS								
Sampler: NJV			Client No. 44034-010		No. of Containers	TPH (80158)	BTEX (80218)					Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								PRESERVED COOL	
PB @ 7'	6/13/02	1026	23051	SOIL	1	✓	✓					GRAB SAMPLE	
SW-COMP. @ 4'	6/13/02	1024	23052	SOIL	1	✓						4 PT. COMPOSITE	
Relinquished by: (Signature) <i>[Signature]</i>			Date 6/13/02	Time 1322	Received by: (Signature) <i>[Signature]</i>			Date 6-13-02	Time 1322				
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:	06-14-TPH QA/QC	Date Reported:	06-14-02
Laboratory Number:	23045	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-14-02
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

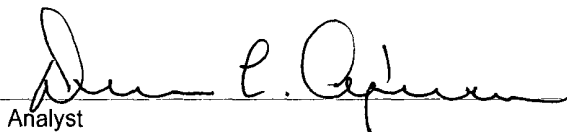
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	943	939	0.4%	0 - 30%
Diesel Range C10 - C28	1,210	1,200	0.8%	0 - 30%

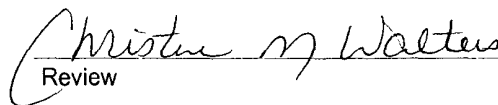
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	943	250	1,190	99.8%	75 - 125%
Diesel Range C10 - C28	1,210	250	1,450	99.3%	75 - 125%

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 23045 - 23049, 23051 - 23052.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	06-14-BTEX QA/QC	Date Reported:	06-14-02
Laboratory Number:	23045	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-14-02
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	2.6914E-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

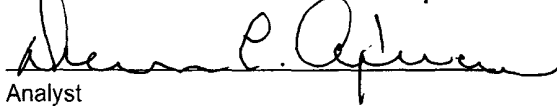
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	23.6	23.2	1.7%	0 - 30%	1.8
Toluene	200	195	2.1%	0 - 30%	1.7
Ethylbenzene	241	236	2.0%	0 - 30%	1.5
p,m-Xylene	560	550	1.9%	0 - 30%	2.2
o-Xylene	296	292	1.4%	0 - 30%	1.0

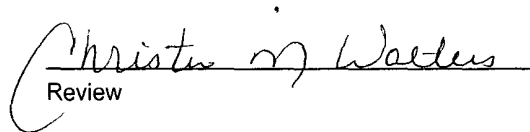
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	23.6	50.0	73.5	99.9%	39 - 150
Toluene	200	50.0	249	99.9%	46 - 148
Ethylbenzene	241	50.0	291	99.9%	32 - 160
p,m-Xylene	560	100	660	99.9%	46 - 148
o-Xylene	296	50.0	345	99.9%	46 - 148

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 samples 23045, 23047, 23051.


Analyst


Review