

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: <u>BP AMERICA PROD. CO.</u> Telephone: <u>(505)-326-9200</u> e-mail address _____		
Address: <u>200 ENERGY COURT, FARMINGTON, NM 87410</u>		
Facility or well name: <u>WARREN COM #2</u> API #: <u>30-045- 20063</u> U/L or Qtr/Qtr <u>G</u> Sec <u>14</u> T <u>28N</u> R <u>9W</u>		
County: <u>SAN JUAN</u> Latitude <u>36.66396</u> Longitude <u>107.75444</u> 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 checked="" type="checkbox"/> Disposal <input type="checkbox"/> <u>SEPARATOR</u> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> <u>STEEL TANK</u> 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: <u>N/A</u> Double-walled, with leak detection? Yes <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) (10 points) <u>0</u> ( 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) <u>0</u>
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) <u>0</u> ( 0 points)
<b>Ranking Score (Total Points)</b>		<u>0</u>

**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 <u>PIT LOCATED APPROXIMATELY 108 FT. S51E FROM WELL HEAD.</u>	
<u>PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.</u> <b>RCVD APR5'07</b>	
<u>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)</u> <b>OIL CONS. DIV.</b>	
Cubic yards: <u>N/A</u>	<b>DIST. 3</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 ☒.

Date: 11/16/06


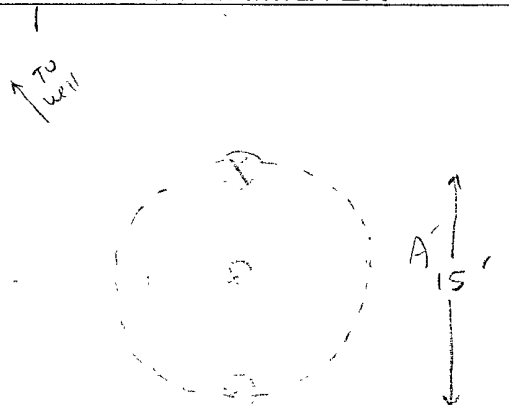
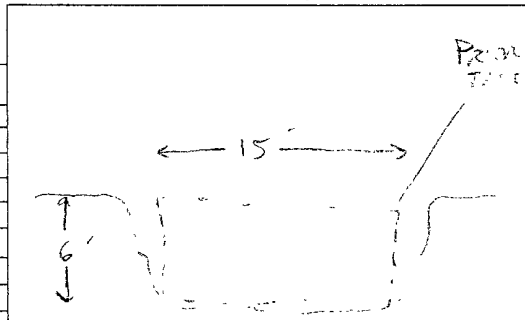
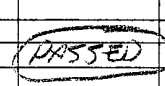
Printed Name/Title Jeff Blagg - P.E. # 11607 Signature Jeff Blagg

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,  
Printed Name/Title District #3 Signature [Signature] Date: AUG 01 2007

30-045-20063

56.66346 \* 107.75444

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	LOCATION NO: <u>81133</u> COCR NO: <u>1694</u>																																
<b>FIELD REPORT: PIT CLOSURE VERIFICATION</b>		PAGE No: <u>1</u> of <u>1</u>																																
LOCATION: NAME: <u>WARREN COM</u> WELL #: <u>2</u> TYPE: <u>SEP</u> QUAD/UNIT: <u>G SEC: 14 TWP: 28N RNG: 9W PM: NM CNTY: ST: NM</u> QTR/FOOTAGE: <u>1990'N/1585'E SW1NE</u> CONTRACTOR: <u>HDI - LEE</u>		DATE STARTED <u>11-9-06</u> DATE FINISHED <u>11-9-06</u> ENVIRONMENTAL SPECIALIST: <u>JCB</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>NM 073966</u> FORMATION: <u>DE (PXA)</u>																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>108</u> FT. <u>SSIF</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>53.4</u> ppm OVM CALIB GAS = <u>100</u> ppm RF = 0.52 TIME: <u>1230</u> am/pm DATE: <u>11/9/06</u>																																
SOIL TYPE: <u>SAND / SILTY SAND</u> / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER																																		
SOIL COLOR: <u>DARK TAN</u>																																		
COHESION (ALL OTHERS): NON COHESIVE <u>(SLIGHTLY COHESIVE)</u> / COHESIVE / 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 / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED																																		
DISCOLORATION/STAINING OBSERVED: YES <u>(NO)</u> EXPLANATION -																																		
HC ODOR DETECTED: YES <u>(NO)</u> EXPLANATION -																																		
SAMPLE TYPE GRAB <u>(COMPOSITE)</u> - # OF PTS. <u>5</u>																																		
ADDITIONAL COMMENTS: <u>95 BBL STEEL TANK SET @ 6' BELOW GRADE. USE PALANOS TO PULL TANK &amp; COLLECT SAMPLES</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> </tbody> </table>		SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																								
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PIT PERIMETER	OVM READING	PIT PROFILE																																
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5-pt	T-B-C	1217																																
<div style="text-align: center;">  </div>																																		
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE, B = BELOW T.H. = TEST HOLE, ~ = APPROX.; T.B. = TANK BOTTOM																																		
TRAVEL NOTES: CALLOUT: _____ ONSITE: <u>11-9-06</u>																																		

EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons

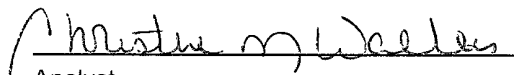
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5 - Point @ 9'	Date Reported:	11-15-06
Laboratory Number:	39106	Date Sampled:	11-09-06
Chain of Custody No:	1694	Date Received:	11-10-06
Sample Matrix:	Soil	Date Extracted:	11-14-06
Preservative:	Cool	Date Analyzed:	11-14-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	5.2	0.2
Diesel Range (C10 - C28)	79.8	0.1
Total Petroleum Hydrocarbons	85.0	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: **Warren Com 2 Sep Tank Pit.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5 - Point @ 9'	Date Reported:	11-15-06
Laboratory Number:	39106	Date Sampled:	11-09-06
Chain of Custody:	1694	Date Received:	11-10-06
Sample Matrix:	Soil	Date Analyzed:	11-14-06
Preservative:	Cool	Date Extracted:	11-14-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	131	1.8
Toluene	437	1.7
Ethylbenzene	83.8	1.5
p,m-Xylene	1,420	2.2
o-Xylene	1,060	1.0
Total BTEX	3,130	

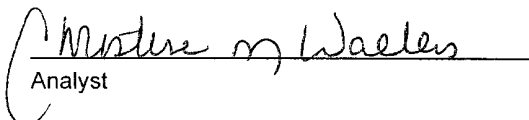
ND - Parameter not detected at the stated detection limit.

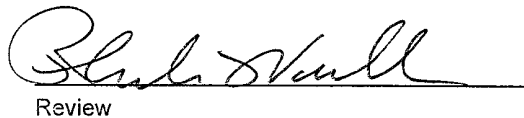
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Warren Com 2 Sep Tank Pit.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride


Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5 - Point @ 9'	Date Reported:	11-14-06
Lab ID#:	39106	Date Sampled:	11-09-06
Sample Matrix:	Soil	Date Received:	11-10-06
Preservative:	Cool	Date Analyzed:	11-13-06
Condition:	Cool and Intact	Chain of Custody:	1694

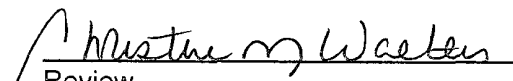
Parameter	Concentration (mg/Kg)
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Total Chloride	253
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Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Warren Com 2 Sep Tank Pit.

  
Analyst

  
Review

## 1694

san juan reproducción 573: 13

# 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:	11-14-06 QA/QC	Date Reported:	11-15-06
Laboratory Number:	39106	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-14-06
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	1.9919E+003	1.9939E+003	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	1.7558E+003	1.7594E+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

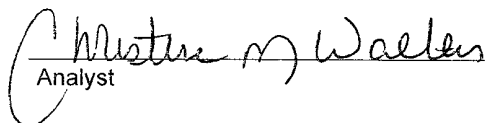
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	5.2	5.1	1.9%	0 - 30%
Diesel Range C10 - C28	79.8	78.3	1.9%	0 - 30%


Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	5.2	250	257	101%	75 - 125%
Diesel Range C10 - C28	79.8	250	329	99.7%	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 39106 - 39108, 39132, 39136 - 39138.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client	N/A	Project #	N/A
Sample ID	11-14-BTEX QA/QC	Date Reported	11-15-06
Laboratory Number	39106	Date Sampled	N/A
Sample Matrix	Soil	Date Received	N/A
Preservative	N/A	Date Analyzed	11-14-06
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	4.3265E+007	4.3352E+007	0.2%	ND	0.2
Toluene	5.4632E+007	5.4741E+007	0.2%	ND	0.2
Ethylbenzene	3.1304E+007	3.1366E+007	0.2%	ND	0.2
p,m-Xylene	1.0103E+008	1.0123E+008	0.2%	ND	0.2
o-Xylene	4.6105E+007	4.6197E+007	0.2%	ND	0.1

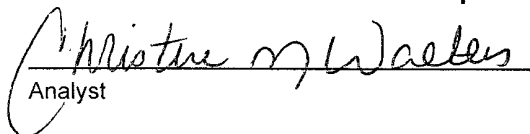
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	131	130	0.8%	0 - 30%	1.8
Toluene	437	432	1.1%	0 - 30%	1.7
Ethylbenzene	83.8	81.8	2.4%	0 - 30%	1.5
p,m-Xylene	1,420	1,435	1.1%	0 - 30%	2.2
o-Xylene	1,060	1,037	2.2%	0 - 30%	1.0

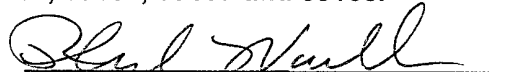
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	131	50.0	173	95.4%	39 - 150
Toluene	437	50.0	462	94.9%	46 - 148
Ethylbenzene	83.8	50.0	128	95.4%	32 - 160
p,m-Xylene	1,420	100	1,440	94.8%	46 - 148
o-Xylene	1,060	50.0	1,070	96.4%	46 - 148

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 39106 - 39108, 39132, 39134, 39137 and 39138.

  
Analyst

  
Review