

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>ELLIOTT A.L. B #1A</u> API #: <u>30-045- 22335</u> U/L or Qtr/Qtr <u>F</u> Sec <u>10</u> T <u>29N</u> R <u>9W</u>		
County: <u>SAN JUAN</u> Latitude <u>36.74168</u> Longitude <u>107.76880</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 checked="" type="checkbox"/> If not, explain why not. _____	<b>RCVD APR 5 '07</b> <b>OIL CONS. DIV.</b> <b>DIST. 3</b>
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) <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) ( 0 points) <b>0</b>
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) <b>0</b> ( 0 points)
<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: <u>PIT LOCATED APPROXIMATELY 50 FT. S7W FROM WELL HEAD.</u>
<u>PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.</u>
<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>
Cubic yards: <u>N/A</u>

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: 12/21/06

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 09 2007

CLIENT: BP

**BLAGG ENGINEERING, INC.**  
**P.O. BOX 87, BLOOMFIELD, NM 87413**  
**(505) 632-1199**

LOCATION NO: B0123COCR NO: 1861**FIELD REPORT: PIT CLOSURE VERIFICATION**PAGE No: 1 of 1

LOCATION: NAME ELLIOTT, A.L. B WELL # 1A TYPE SEP  
 QUAD/UNIT F SEC. 10 TWP. 29N RNG. 9W PM: NM CNTY. SJ ST. NM  
 QTR/FOOTAGE: 1770 FNL x 1850 FWL <sup>SE NW</sup> CONTRACTOR: L+R (MIKE)

DATE STARTED 12-15-06  
 DATE FINISHED 12-15-06

ENVIRONMENTAL SPECIALIST: JCBEXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: 0DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS ISLAND USE: RANGE - BLM LEASE: SF-078132 FORMATION: MVFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 50 FT. S7°W FROM WELLHEAD.DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPMSOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 52.6 ppm  
 OVM CALIB. GAS = 100 ppm RF = 0.52  
 TIME: 0950 am/pm DATE 12-15-06

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHERSOIL COLOR TANCOHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSEPLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTICDENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARDMOISTURE DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION -HC ODOR DETECTED YES NO EXPLANATION -SAMPLE TYPE GRAB / COMPOSITE # OF PTS. 3

ADDITIONAL COMMENTS

12' x 12' x 5' ± Deep wood lined cellar w/  
95 BBL STEEL PIT TANK - BASE EXPOSED - USE  
BACKHOE TO PUT TANK & SAMPLE

SAMPLE PER  
EP FOLIO ONLY

CLOSED

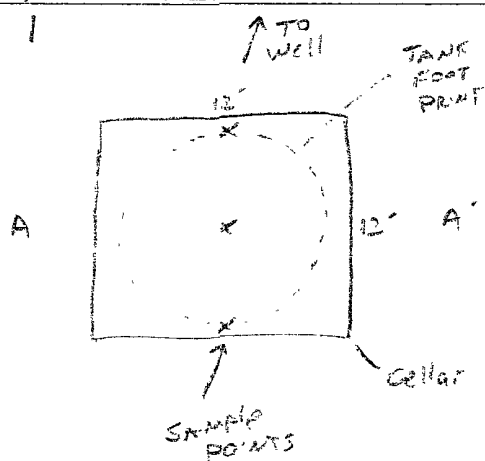
## SCALE



0 FT

N

## PIT PERIMETER



## FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

OVM  
READING

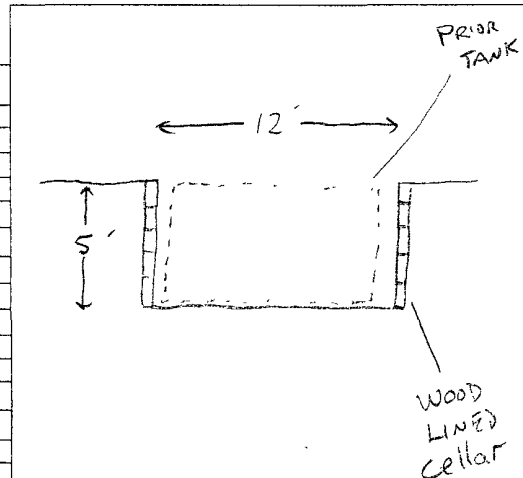
SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
3-DEP	0.0

## LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
3-DEP	T/B/CL	1005

PASSED

## PIT PROFILE



PD = PIT DEPRESSION, B.G. = BELOW GRADE, B = BELOW  
 TH = TEST HOLE, ~ = APPROX., T.B. = TANK BOTTOM

TRAVEL NOTES.

CALLOUT: \_\_\_\_\_ ONSITE: 12-15-06

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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


Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Separator 3-Point @ 8'	Date Reported:	12-18-06
Laboratory Number:	39521	Date Sampled:	12-15-06
Chain of Custody No:	1861	Date Received:	12-15-06
Sample Matrix:	Soil	Date Extracted:	12-15-06
Preservative:	Cool	Date Analyzed:	12-18-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

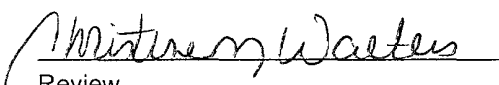
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **A.L. Elliott B #1A**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Separator 3-Point @ 8'	Date Reported:	12-18-06
Laboratory Number:	39521	Date Sampled:	12-15-06
Chain of Custody:	1861	Date Received:	12-15-06
Sample Matrix:	Soil	Date Analyzed:	12-18-06
Preservative:	Cool	Date Extracted:	12-15-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	3.5	1.8
Toluene	34.6	1.7
Ethylbenzene	23.7	1.5
p,m-Xylene	52.3	2.2
o-Xylene	23.3	1.0
Total BTEX	137	


ND - Parameter not detected at the stated detection limit.

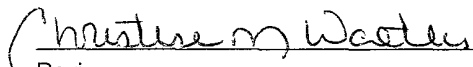
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: A.L. Elliott B #1A

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Separator 3-Point @ 8'	Date Reported:	12-18-06
Lab ID#:	39521	Date Sampled:	12-15-06
Sample Matrix:	Soil	Date Received:	12-15-06
Preservative:	Cool	Date Analyzed:	12-18-06
Condition:	Cool and Intact	Chain of Custody:	1861

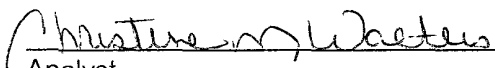
Parameter	Concentration (mg/Kg)
-----------	-----------------------

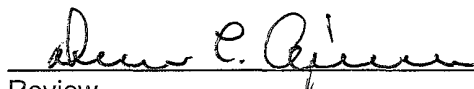
Total Chloride

54.0

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

Comments: A.L. Elliott B #1A

  
Analyst

  
Review

## 1861

san juan reproduction 578-129

# 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:	12-18-06 QA/QC	Date Reported:	12-18-06
Laboratory Number:	39520	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-18-06
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	9.9838E+002	9.9938E+002	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	9.9123E+002	9.9322E+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

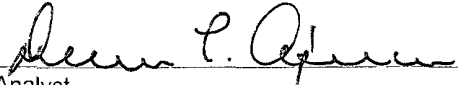
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	52.1	51.8	0.6%	0 - 30%

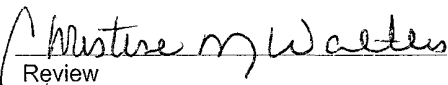
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	52.1	250	302	99.9%	75 - 125%

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 39520 - 39525

  
Analyst

  
Review

# ENVIROTECH LABS

Practical Solutions for a Better Tomorrow

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	12-18-BTEX QA/QC	Date Reported:	12-18-06
Laboratory Number:	39520	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-18-06
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	2.9879E+007	2.9939E+007	0.2%	ND	0.2
Toluene	4.5571E+007	4.5662E+007	0.2%	ND	0.2
Ethylbenzene	2.0314E+007	2.0355E+007	0.2%	ND	0.2
p,m-Xylene	8.5891E+007	8.6064E+007	0.2%	ND	0.2
o-Xylene	3.6030E+007	3.6102E+007	0.2%	ND	0.1

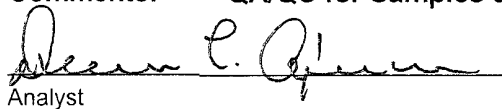
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	2.4	2.4	0.0%	0 - 30%	1.7
Ethylbenzene	15.4	15.3	0.6%	0 - 30%	1.5
p,m-Xylene	52.3	52.2	0.2%	0 - 30%	2.2
o-Xylene	18.8	18.7	0.5%	0 - 30%	1.0

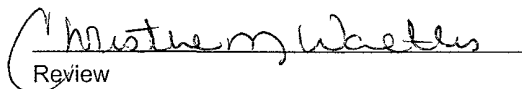
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	2.4	50.0	52.3	99.8%	46 - 148
Ethylbenzene	15.4	50.0	65.3	99.8%	32 - 160
p,m-Xylene	52.3	100	152	99.9%	46 - 148
o-Xylene	18.8	50.0	68.7	99.9%	46 - 148

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 39520 - 39524, 39526 - 39527

  
Analyst

  
Review