

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

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

Form C-144  
June 1, 2004

**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: BP AMERICA PROD. CO. Telephone: (505)-326-9200 e-mail address: \_\_\_\_\_  
Address: 200 ENERGY COURT, FARMINGTON, NM 87410  
Facility or well name: GCU #277 API #: 30-045- 23602 U/L or Qtr/Qtr E Sec 15 T 28N R 12W  
County: SAN JUAN Latitude 36.66463 Longitude 108.10521 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

**Pit**  
Type: Drilling ☐ Production ☒ Disposal ☐ SEPARATOR  
Workover ☐ Emergency ☐  
Lined ☒ Unlined ☐ STEEL TANK  
Liner type: Synthetic ☐ Thickness \_\_\_\_\_ mil Clay ☐  
Pit Volume \_\_\_\_\_ bbl

**Below-grade tank**

Volume: \_\_\_\_\_ bbl Type of fluid: N/A  
Construction material: N/A  
Double-walled, with leak detection? Yes ☐ If not, explain why not. \_\_\_\_\_

RCVD APR5'07  
OIL CONS. DIV.  
DIST. 3

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) <u>0</u>
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) <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	(20 points)
200 feet or more, but less than 1000 feet	(10 points) <u>0</u>
1000 feet or more	( 0 points)

**Ranking Score (Total Points)**

0

**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 PIT LOCATED APPROXIMATELY 60 FT. N86W FROM WELL HEAD.

PIT EXCAVATION: WIDTH N/Aft., LENGTH N/Aft., DEPTH N/Aft.

PIT REMEDIATION: CLOSE AS IS: ☒, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☐, OTHER ☐ (explain)

Cubic yards: N/A

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: 06/26/06

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

Signature [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.

Deputy Oil & Gas Inspector,  
District #3

Approval:

Printed Name/Title \_\_\_\_\_

Signature [Signature]

Date: AUG 06 2007

CLIENT: BP

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

LOCATION NO: 81781  
COCR NO: 1089

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: GCU WELL #: 277 TYPE: SEP  
QUAD/UNIT E SEC: 15 TWP: 28N RNG: 12W PM: NM CNTY: SJ ST: NM  
QTR/FOOTAGE: 1770 FNL x 820 FWL CONTRACTOR: SIERRA (CALVIN)

DATE STARTED 6/20/06  
DATE FINISHED 6/20/06  
ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: 0

DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS IS

LAND USE: RANGE - BLM LEASE: SF - 078106 FORMATION: PC

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 60 FT. N86W FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 52.1 ppm  
OVM CALIB. GAS = 100 ppm RF = 0.52  
TIME: 1130 am/pm DATE: 6/20

SOIL TYPE: SAND (SILTY SAND) SILT / SILTY CLAY / CLAY / GRAVEL / OTHER  
SOIL COLOR: LIGHT TAN  
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: YES / NO EXPLANATION -  
HC ODOR DETECTED: YES / NO EXPLANATION -  
SAMPLE TYPE GRAB / COMPOSITE # OF PTS.  
ADDITIONAL COMMENTS: 95 BBL STEEL TANK SET FLUSH GRADE. USE BACKHOE TO PULL TANK & COLLECT SAMPLES. NO EVIDENCE OF CONTAMINATION.

SCALE 0 1 FT

FIELD 418.1 CALCULATIONS

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

N PIT PERIMETER

PIT PROFILE

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
5-Pt @ 9'	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
5-Pt	T/B/C	1230

TRAVEL NOTES.

CALLOUT: ONSITE: 6/20/06

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

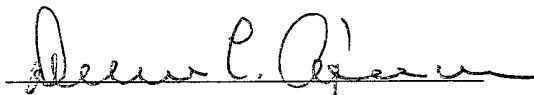
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5-Pt @ 9'	Date Reported:	06-22-06
Laboratory Number:	37503	Date Sampled:	06-20-06
Chain of Custody No:	1089	Date Received:	06-21-06
Sample Matrix:	Soil	Date Extracted:	06-21-06
Preservative:	Cool	Date Analyzed:	06-22-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

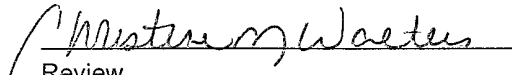
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **GCU 277 Sep 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-Pt @ 9'	Date Reported:	06-22-06
Laboratory Number:	37503	Date Sampled:	06-20-06
Chain of Custody:	1089	Date Received:	06-21-06
Sample Matrix:	Soil	Date Analyzed:	06-22-06
Preservative:	Cool	Date Extracted:	06-21-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	5.5	1.7
Ethylbenzene	4.7	1.5
p,m-Xylene	18.6	2.2
o-Xylene	4.1	1.0
Total BTEX	32.9	

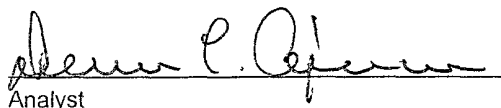
ND - Parameter not detected at the stated detection limit.

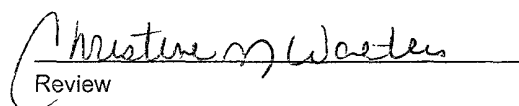
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: GCU 277 Sep Pit.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5-Pt @ 9'	Date Reported:	06-22-06
Lab ID#:	37503	Date Sampled:	06-20-06
Sample Matrix:	Soil	Date Received:	06-21-06
Preservative:	Cool	Date Analyzed:	06-22-06
Condition:	Cool and Intact	Chain of Custody:	1089

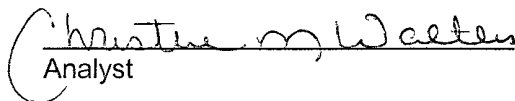
Parameter	Concentration (mg/Kg)
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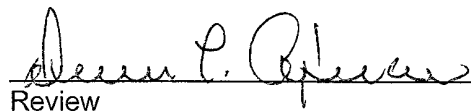
Total Chloride

35.0

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

Comments: GCU 277 Sep Pit.

  
Analyst

  
Review

## 1089

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:	06-22-06 QA/QC	Date Reported:	06-22-06
Laboratory Number:	37487	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-22-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	02-04-05	9.9360E+002	9.9459E+002	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	1.0015E+003	1.0035E+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

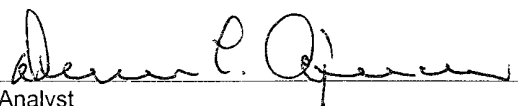
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

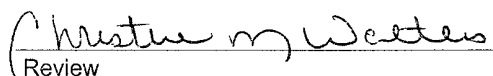
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

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 37487 - 37893, 37503, 37520.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	06-22-BTEX QA/QC	Date Reported:	06-22-06
Laboratory Number:	37493	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-22-06
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	7.3898E+007	7.4046E+007	0.2%	ND	0.2
Toluene	9.1693E+007	9.1877E+007	0.2%	ND	0.2
Ethylbenzene	4.8968E+007	4.9066E+007	0.2%	ND	0.2
p,m-Xylene	1.7307E+008	1.7342E+008	0.2%	ND	0.2
o-Xylene	8.6246E+007	8.6419E+007	0.2%	ND	0.1

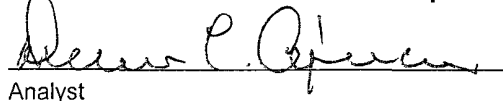
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	7.3	7.3	0.0%	0 - 30%	1.7
Ethylbenzene	2.4	2.4	0.0%	0 - 30%	1.5
p,m-Xylene	51.2	51.1	0.2%	0 - 30%	2.2
o-Xylene	10.3	10.3	0.0%	0 - 30%	1.0

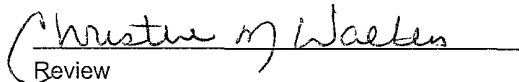
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	7.3	50.0	57.2	99.8%	46 - 148
Ethylbenzene	2.4	50.0	52.4	100.0%	32 - 160
p,m-Xylene	51.2	100	151	99.9%	46 - 148
o-Xylene	10.3	50.0	60.2	99.8%	46 - 148

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 37493, 37503, 37520.

  
Analyst

  
Review