

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

RCVD DEC12'06

**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 ☒

OIL CONNS. DIV.  
DIST. 3

Operator: BP America Production Company Telephone: (505)326-9200 e-mail address: \_\_\_\_\_  
Address: 200 Energy Ct. Farmington, NM 87401  
Facility or well name: BARNES LS #2R API #: 30045 11317 U/L or Qtr/Qtr L Sec 22 T 32N R 11W  
County: San Juan 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: MA

Construction material: \_\_\_\_\_

Double-walled, with leak detection? Yes ☐ If no, 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.


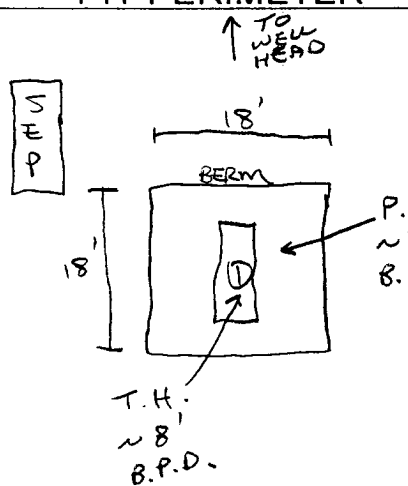
Approval:

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 3

Signature B. L. R. L.

Date:

DEC 12 2006

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>81309</u> COCR NO: <u>11621</u>																																								
<b>FIELD REPORT: PIT CLOSURE VERIFICATION</b>		PAGE No: <u>1</u> of <u>1</u>																																								
LOCATION: NAME: <u>BARNES LS</u> WELL#: <u>2R</u> TYPE: <u>SEP.</u> QUAD/UNIT: <u>L SEC: 22 TWP: 32N RNG: 11W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>1500'S/1190'W NW/5W</u> CONTRACTOR: <u>HDI (EDGAR)</u>		DATE STARTED: <u>12/9/03</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																								
EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>NA</u> DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>NA</u> LAND USE: <u>RANGE - BLM</u> LEASE: <u>NM073222</u> FORMATION: <u>NV</u>																																										
<b>FIELD NOTES &amp; REMARKS:</b>																																										
PIT LOCATED APPROXIMATELY <u>93</u> FT. <u>SIE</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																																										
<b>SOIL AND EXCAVATION DESCRIPTION:</b>		OVM CALIB. READ. = <u>52.4</u> ppm CHECK OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>9:55</u> am/pm DATE: <u>12/9/03</u>																																								
SOIL TYPE: <u>(SAND)</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SANDSTONE)</u> SOIL COLOR: <u>LT. TO MED. GRAY</u> <u>BEDROCK - DK. YEL. ORANGE TO LT 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): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD MOISTURE: DRY / SLIGHTLY MOIST / <u>(MOIST)</u> / <u>(WET)</u> / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>(YES)</u> / NO EXPLANATION - <u>ENTIRE TEST HOLE</u> HC ODOR DETECTED: <u>(YES)</u> / NO EXPLANATION - <u>TEST HOLE &amp; OVM SAMPLE.</u> SAMPLE TYPE: <u>(GRAB)</u> COMPOSITE - # OF PTS. <u>-</u> ADDITIONAL COMMENTS: <u>BEDROCK ENCOUNTERED @ 11' BELOW GRADE. SAMPLED SOIL ABOVE BEDROCK. BEDROCK APPEARED FRIBLE, SOFT TO HARD. STEEL TANK TO BE INSTALLED.</u>																																										
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P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM																																										
TRAVEL NOTES: CALLOUT: <u>12/9/03 - MORN.</u> ONSITE: <u>12/9/03 - MORN.</u>																																										

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

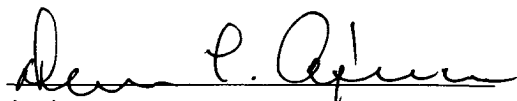
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 11'	Date Reported:	12-10-03
Laboratory Number:	27347	Date Sampled:	12-09-03
Chain of Custody No:	11621	Date Received:	12-09-03
Sample Matrix:	Soil	Date Extracted:	12-10-03
Preservative:	Cool	Date Analyzed:	12-10-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

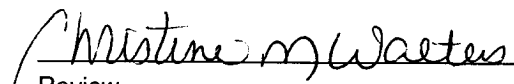
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4,820	0.2
Diesel Range (C10 - C28)	390	0.1
Total Petroleum Hydrocarbons	5,210	0.2

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: Barnes LS #2R Separator Pit Grab Sample.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 11'	Date Reported:	12-10-03
Laboratory Number:	27347	Date Sampled:	12-09-03
Chain of Custody:	11621	Date Received:	12-09-03
Sample Matrix:	Soil	Date Analyzed:	12-10-03
Preservative:	Cool	Date Extracted:	12-10-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	156	1.8
Toluene	1,600	1.7
Ethylbenzene	694	1.5
p,m-Xylene	1,730	2.2
o-Xylene	913	1.0
Total BTEX	5,090	

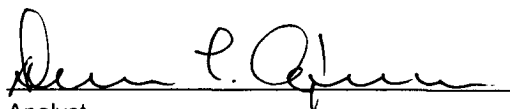
ND - Parameter not detected at the stated detection limit.

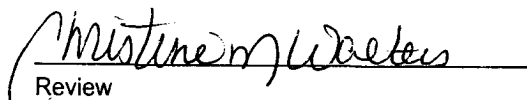
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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: Barnes LS #2R Separator Pit Grab Sample.

  
Analyst

  
Review

CLIENT: BPBLAGG ENGINEERING, INC.  
P.O. BOX 87, BLOOMFIELD, NM 87413  
(505) 632-1199LOCATION NO: 81309C.O.C. NO: 13936

## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: BARNES LS WELL #: 2R PITS:  
QUAD/UNIT: L SEC: 22 TWP: 32N RNG: 11W PM: Nm CNTY: ST ST: Nm  
QTR/FOOTAGE: nw1sw CONTRACTOR:DATE STARTED: 7/27/05  
DATE FINISHED:ENVIRONMENTAL  
SPECIALIST: NV

## SOIL REMEDIATION:

REMEDICATION SYSTEM: STOCKPILE

APPROX. CUBIC YARDAGE:

LAND USE: RANGELIFT DEPTH (ft): N/A

## FIELD NOTES &amp; REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST SURFACE WATER: >1,000'  
NEAREST WATER SOURCE: >1,000' NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5,000 PPMSOIL TYPE: (SAND) / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHERSOIL COLOR: PALE YELL. ORANGE TO LT. GRAYCOHESION (ALL OTHERS) (NON COHESIVE) / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): (LOOSE) / (FIRM) DENSE / VERY DENSE

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

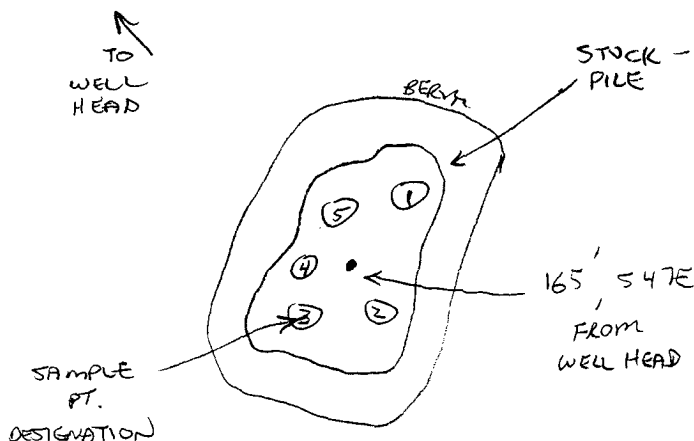
DENSITY (COHESIVE CLAYS &amp; SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: (DRY) / (SLIGHTLY MOIST) / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: (YES) / NO EXPLANATION - LT. GRAY SAND IN SAMPLE PT. (2) ONLYHC ODOR DETECTED: (YES) / NO EXPLANATION - SLIGHTLY FROM LT. GRAY SAND IN SAMPLE PT. (2)SAMPLING DEPTHS (LANDFARMS): N/A (INCHES)SAMPLE TYPE: GRAB / (COMPOSITE) # OF PTS. 5

ADDITIONAL COMMENTS:

CLOSED

## SKETCH/SAMPLE LOCATIONS

OVM CALIB. READ. = 53.8 ppm  
OVM CALIB. GAS = 100 ppm RF = 0.52  
TIME: 10:15 @ pm DATE: 7/25/05

## OVM RESULTS

## LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
SP-1	0.0	SP-1	TPH (82158)	1430	11.5

P.C. - 12/9/03

## SCALE

0 FT

TRAVEL NOTES: CALLOUT: N/AONSITE: 7/27/05

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

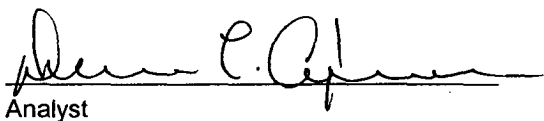
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	SP - 1	Date Reported:	08-01-05
Laboratory Number:	33894	Date Sampled:	07-27-05
Chain of Custody No:	13936	Date Received:	07-28-05
Sample Matrix:	Soil	Date Extracted:	07-29-05
Preservative:	Cool	Date Analyzed:	08-01-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

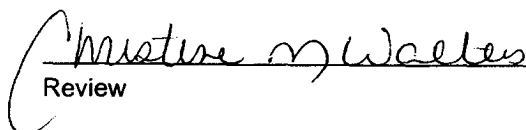
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.7	0.2
Diesel Range (C10 - C28)	10.8	0.1
Total Petroleum Hydrocarbons	11.5	0.2

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: **Barnes LS #2R Stockpile 5 Pt. Composite Sample.**

  
Analyst

  
Review