

**State of New Mexico**  
**Energy, Minerals and Natural Resources Department**

**OIL CONSERVATION DIVISION**  
**P.O. BOX 2088**  
**SANTA FE, NEW MEXICO 87504-2088**

OK B1059  
**RECEIVED**  
 JAN 17 2000  
 OIL CON. DIV.  
 DIST. 3

District I  
 P.O. Box 1980, Hobbs, NM  
 District II  
 Lawer DD, Artesia, NM  
 District III  
 1000 Rio Brazo Rd., Aztec, NM

SUBMIT 1 COPY TO  
 APPROPRIATE  
 DISTRICT OFFICE  
 AND 1 COPY TO  
 SANTA FE OFFICE

**PIT REMEDIATION AND CLOSURE REPORT**

30-045-26269

Operator: BP AMERICA PRODUCTION CO. Telephone: (505) 326-9200  
 Address: 200 ENERGY COURT, FARMINGTON, NM 87401  
 Facility or Well Name: GCU # 237E  
 Location: Unit or Qtr/Qtr Sec C Sec B T28N R BW County San Juan  
 Pit Type: Separator \_\_\_ Dehydrator \_\_\_ Other Blow  
 Land Type: BLM X, State \_\_\_, Fee \_\_\_, Other \_\_\_\_\_

Pit Location: Pit dimensions: length NA, width NA, depth NA  
 (Attach diagram) Reference: wellhead X, other \_\_\_\_\_  
 Footage from reference: 100'  
 Direction from reference: 32 Degrees  East  North  
 \_\_\_ West \_\_\_ South \_\_\_

|  |                        |             |          |
|--|------------------------|-------------|----------|
| Depth To Groundwater:<br>(Vertical distance from<br>contaminants to seasonal<br>high water elevation of<br>groundwater)                            | Less than 50 feet      | (20 points) |          |
|  | 50 feet to 99 feet     | (10 points) |          |
|  | Greater than 100 feet  | ( 0 points) | <u>0</u> |
| Wellhead Protection Area:<br>(Less than 200 feet from a private<br>domestic water source, or; less than<br>1000 feet from all other water sources) | Yes                    | (20 points) |          |
|  | No                     | ( 0 points) | <u>0</u> |
| Distance To Surface Water:<br>(Horizontal distance to perennial<br>lakes, ponds, rivers, streams, creeks,<br>irrigation canals and ditches)        | Less than 100 feet     | (20 points) |          |
|  | 100 feet to 1000 feet  | (10 points) |          |
|  | Greater than 1000 feet | ( 0 points) | <u>0</u> |
| RANKING SCORE (TOTAL POINTS):  |                        |             | <u>0</u> |

Blowpit B1059

Date Remediation Started: \_\_\_\_\_

Date Completed: 9-11-02

Remediation Method:

Excavation

Approx. cubic yards NA

(Check all appropriate sections)

Landfarmed \_\_\_\_\_

In situ Bioremediation \_\_\_\_\_

Other CLOSE AS IS.

Remediation Location:

Onsite  Offsite \_\_\_\_\_

(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation. Test hole advanced. No remediation necessary.

Bedrock Bottom

Groundwater Encountered: No  Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 8' (Test hole bottom)

Sample date 9-10-02 Sample time 1141

Sample Results

|                 |                   |                |             |
|-----------------|-------------------|----------------|-------------|
| Soil: Benzene   | (ppm) _____       | Water: Benzene | (ppb) _____ |
| Total BTEX      | (ppm) _____       | Toluene        | (ppb) _____ |
| Field Headspace | (ppm) <u>41.4</u> | Ethylbenzene   | (ppb) _____ |
| TPH             | (ppm) <u>2.8</u>  | Total Xylenes  | (ppb) _____ |

Groundwater Sample: Yes \_\_\_\_\_ No  (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 9-11-02 PRINTED NAME Jeffrey C. Blagg

SIGNATURE Jeffrey C. Blagg AND TITLE President P.E. # 11607

|                   |   |  |
|-------------------|---|--|
| CLIENT: <u>BP</u> | <b>BLAGG ENGINEERING, INC.</b><br>P.O. BOX 87, BLOOMFIELD, NM 87413<br>(505) 632-1199 | LOCATION NO: <u>81059</u><br>COCR NO: <u>10102</u> |
|-------------------|---|--|

**FIELD REPORT: PIT CLOSURE VERIFICATION** PAGE No: 1 of 1

|  |                                     |
|--|-------------------------------------|
| LOCATION: NAME: <u>GCU</u> WELL#: <u>237E</u> TYPE: <u>BLOW</u>  | DATE STARTED: <u>9/10/02</u>        |
| QUAD/UNIT: <u>C</u> SEC: <u>13</u> TWP: <u>28N</u> RNG: <u>13W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> | DATE FINISHED: _____                |
| QTR/FOOTAGE: <u>1060'N/1450'W</u> NE/NW CONTRACTOR: <u>FLINT (BEN)</u>   | ENVIRONMENTAL SPECIALIST: <u>NV</u> |

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

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS IS

LAND USE: RANGE-BLM <sup>SURFACE</sup> USE-FEE LEASE: NM078391C FORMATION: DK

**FIELD NOTES & REMARKS:** PIT LOCATED APPROXIMATELY 108 FT. N32E 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. = 53.5 ppm  
OVM CALIB. GAS = 100 ppm RF = 0.52  
TIME: 12:30 am/pm DATE: 9/3/02

SOIL TYPE: SAND SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)

SOIL COLOR: mod. Yell. Brown BEDROCK - LT. GRAY

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 CLOSED

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - WITHIN BEDROCK NEAR SURFACE.

HC ODOR DETECTED: YES / NO EXPLANATION - SLIGHTLY IN OVM SAMPLE.

SAMPLE TYPE: GRAB COMPOSITE - # OF PTS. —

ADDITIONAL COMMENTS: COLLECTED SAMPLE FROM BEDROCK SURFACE / SOIL ABOVE BEDROCK (MIX).  
BEDROCK BOTTOM BEDROCK - HARD, SLIGHTLY FRIABLE.

| FIELD 418.1 CALCULATIONS |          |         |            |          |          |         |             |
|--------------------------|----------|---------|------------|----------|----------|---------|-------------|
| SAMP. TIME               | SAMP. ID | LAB NO. | WEIGHT (g) | mL FREON | DILUTION | READING | CALC. (ppm) |
|                          |          |         |            |          |          |         |             |
|                          |          |         |            |          |          |         |             |
|                          |          |         |            |          |          |         |             |

**PIT PERIMETER**

**OVM READING**

| SAMPLE ID | FIELD HEADSPACE (ppm) |
|-----------|-----------------------|
| 1 @ 8'    | 41.4                  |
| 2 @       |                       |
| 3 @       |                       |
| 4 @       |                       |
| 5 @       |                       |

**LAB SAMPLES**

| SAMPLE ID     | ANALYSIS    | TIME |
|---------------|-------------|------|
| 1 @ 8'        | TPH (80158) | 1141 |
| <u>PASSED</u> |             |      |

**PIT PROFILE**

NOT APPLICABLE

TRAVEL NOTES: CALLOUT: 9/10/02 - morn. ONSITE: 9/10/02 - morn.

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

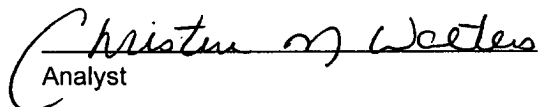
|                      |                 |                     |           |
|----------------------|-----------------|---------------------|-----------|
| Client:              | Blagg / BP      | Project #:          | 94034-010 |
| Sample ID:           | 1 @ 8'          | Date Reported:      | 09-11-02  |
| Laboratory Number:   | 23786           | Date Sampled:       | 09-10-02  |
| Chain of Custody No: | 10102           | Date Received:      | 09-10-02  |
| Sample Matrix:       | Soil            | Date Extracted:     | 09-11-02  |
| Preservative:        | Cool            | Date Analyzed:      | 09-11-02  |
| Condition:           | Cool and Intact | Analysis Requested: | 8015 TPH  |

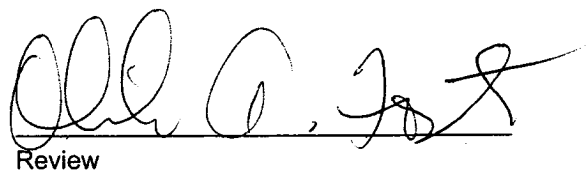
| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | ND                       | 0.2                      |
| Diesel Range (C10 - C28)     | 2.8                      | 0.1                      |
| Total Petroleum Hydrocarbons | 2.8                      | 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 #237E Blow Pit Grab Sample.**

  
Analyst

  
Review