

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: BP America Production Company Telephone: (505)326-9200 e-mail address: \_\_\_\_\_  
Address: 200 Energy Ct. Farmington, NM 87401  
Facility or well name: CASE R #1A API #: 30045 22836 U/L or Qtr/Qtr D Sec 5 T 31 N R 11 W  
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: Oil  
Construction material: Steel  
Double-walled, with leak detection? Yes ☐ If no, explain why not.

RCVD DEC 12 '06  
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) | 0 |
|   | 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) | 0 |
|   | 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) | 0 |
|   | 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:

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: DEPUTY OIL & GAS INSPECTOR, DIST. 03 Signature Bob Roll Date: DEC 12 2006

|                   |   |  |
|-------------------|---|--|
| CLIENT: <u>BP</u> | <b>BLAGG ENGINEERING, INC.</b><br><b>P.O. BOX 87, BLOOMFIELD, NM 87413</b><br><b>(505) 632-1199</b> | LOCATION NO: <u>B0942</u><br>COCR NO: <u>11133</u> |
|-------------------|---|--|

**FIELD REPORT: PIT CLOSURE VERIFICATION**

|   |  |
|---|--|
| LOCATION: NAME: <u>CASE</u> <u>B</u> WELL #: <u>1A</u> TYPE: <u>PROD. TANK</u><br>QUAD/UNIT: <u>D</u> SEC: <u>5</u> TWP: <u>31N</u> RNG: <u>11W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u><br>QTR/FOOTAGE: <u>818'2/925'W</u> NW/2W CONTRACTOR: <u>SIERRA (CALVIN)</u> | DATE STARTED: <u>10/15/03</u><br>DATE FINISHED: _____<br>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>CLOSE AS IS</u>                        |
| LAND USE: <u>RANGE - Bm</u> LEASE: <u>SF 078095</u> FORMATION: <u>MV/PC</u>                     |

**FIELD NOTES & REMARKS:**    PIT LOCATED APPROXIMATELY 61' FT. S13E 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:**

|   |  |
|---|--|
| SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SANDSTONE)</u><br>SOIL COLOR: <u>OK. YELL. ORANGE</u> <u>BEDROCK - LT. GRAY</u><br>COHESION (ALL OTHERS) <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE<br>CONSISTENCY (NON COHESIVE SOILS) <u>LOOSE/FIRM</u> DENSE / VERY DENSE<br>PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC<br>DENSITY (COHESIVE CLAYS & SILTS) <u>SOFT</u> / FIRM / STIFF / VERY STIFF / HARD<br>MOISTURE: DRY / <u>SLIGHTLY MOIST</u> / <u>MOIST</u> / WET / SATURATED / SUPER SATURATED<br>DISCOLORATION/STAINING OBSERVED <u>YES</u> / NO EXPLANATION - <u>BEDROCK SURFACE ONLY.</u><br>HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>BEDROCK SURFACE &amp; OVM SAMPLE</u><br>SAMPLE TYPE: <u>GRAB</u> COMPOSITE - # OF PTS. _____<br>ADDITIONAL COMMENTS: <u>COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - HARD TO VERY HARD, SLIGHTLY FRIABLE TO COMPETENT.</u> | OVM CALIB. READ. = <u>53.7</u> ppm<br>OVM CALIB. GAS = <u>100</u> ppm    RF = 0.52<br>TIME: <u>8:49</u> am/pm    DATE: <u>10/15/03</u> |
|---|--|

CLOSED

| <b>SCALE</b><br> | <b>FIELD 418.1 CALCULATIONS</b> <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> </tbody> </table> | SAMP. TIME | SAMP. ID   | LAB NO.  | WEIGHT (g) | mL FREON | DILUTION    | READING | CALC. (ppm) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------|--|------------|------------|----------|------------|----------|-------------|---------|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| SAMP. TIME       | SAMP. ID   | LAB NO.    | WEIGHT (g) | mL FREON | DILUTION   | READING  | CALC. (ppm) |         |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                  |  |            |            |          |            |          |             |         |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                  |  |            |            |          |            |          |             |         |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**PIT PERIMETER** 4N

**PIT PROFILE**  

**OVM READING**

| SAMPLE ID | FIELD HEADSPACE (ppm) |
|-----------|-----------------------|
| 1 @ 3.5'  | 272                   |
| 2 @       |                       |
| 3 @       |                       |
| 4 @       |                       |
| 5 @       |                       |

**LAB SAMPLES**

| SAMPLE ID | ANALYSIS     | TIME |
|-----------|--------------|------|
| 1 @ 3.5'  | TAH (20158)  | 0820 |
| "         | BTEX (20214) | "    |

BOTH PASSED

TRAVEL NOTES:    CALLOUT: 10/14/03 - MORN.    ONSITE: 10/15/03 - MORN. (SCHEDULED)

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

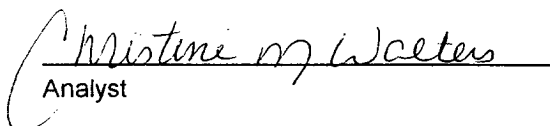
|                      |                 |                     |           |
|----------------------|-----------------|---------------------|-----------|
| Client:              | Blagg / BP      | Project #:          | 94034-010 |
| Sample ID:           | 1 @ 3.5'        | Date Reported:      | 10-21-03  |
| Laboratory Number:   | 26909           | Date Sampled:       | 10-15-03  |
| Chain of Custody No: | 11133           | Date Received:      | 10-15-03  |
| Sample Matrix:       | Soil            | Date Extracted:     | 10-17-03  |
| Preservative:        | Cool            | Date Analyzed:      | 10-20-03  |
| Condition:           | Cool and Intact | Analysis Requested: | 8015 TPH  |

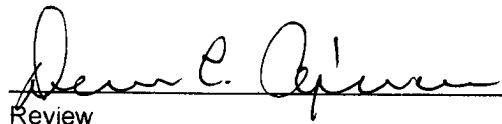
| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | 0.9                      | 0.2                      |
| Diesel Range (C10 - C28)     | ND                       | 0.1                      |
| Total Petroleum Hydrocarbons | 0.9                      | 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: **Case B #1A Production Tank 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 @ 3.5'      | Date Reported:      | 10-20-03  |
| Laboratory Number: | 26909         | Date Sampled:       | 10-15-03  |
| Chain of Custody:  | 11133         | Date Received:      | 10-15-03  |
| Sample Matrix:     | Soil          | Date Analyzed:      | 10-20-03  |
| Preservative:      | Cool          | Date Extracted:     | 10-17-03  |
| Condition:         | Cool & Intact | Analysis Requested: | BTEX      |

| Parameter    | Concentration<br>(ug/Kg) | Det.<br>Limit<br>(ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene      | 10.3                     | 1.8                      |
| Toluene      | 120                      | 1.7                      |
| Ethylbenzene | 140                      | 1.5                      |
| p,m-Xylene   | 120                      | 2.2                      |
| o-Xylene     | 200                      | 1.0                      |
| Total BTEX   | 590                      |                          |

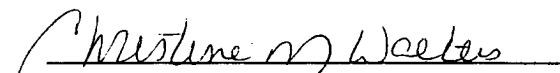
ND - Parameter not detected at the stated detection limit.


| Surrogate Recoveries: | Parameter           | Percent Recovery |
|-----------------------|---------------------|------------------|
|                       | Fluorobenzene       | 99 %             |
|                       | 1,4-difluorobenzene | 99 %             |
|                       | Bromochlorobenzene  | 99 %             |

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: Case B #1A Production Tank Pit Grab Sample.

  
Analyst

  
Review