

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

Form C-144
June 1, 2004

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

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 Production Company</u> Telephone: <u>(505)326-9200</u> e-mail address: _____ | | |
| Address: <u>200 Energy Ct. Farmington, NM 87401</u> | | |
| Facility or well name: <u>Vandewart A#6</u> API #: <u>3004508085</u> U/L or Qtr/Qtr <u>A</u> Sec <u>24</u> T <u>29N</u> R <u>8W</u> | | |
| County: <u>San Juan</u> Latitude _____ Longitude _____ NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/> | | |
| Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/> | | |
| Pit Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl | Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, 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) <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) | | <u>0</u> |

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:


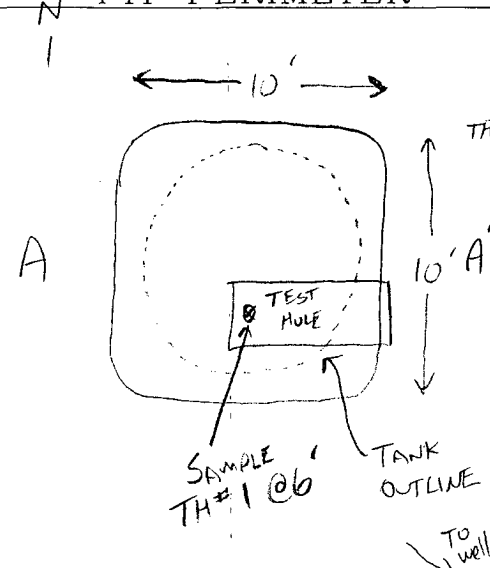
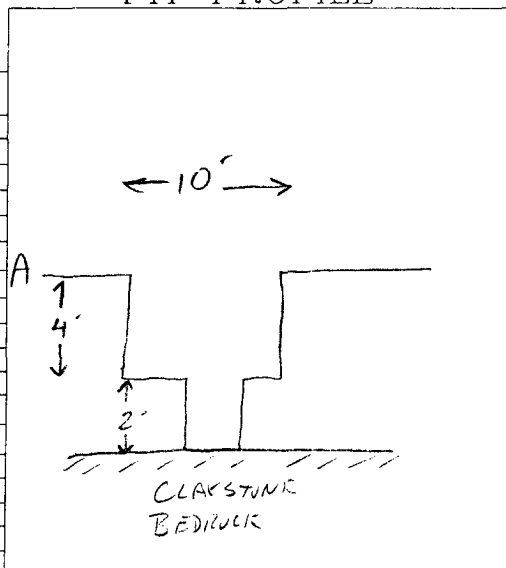
Printed Name/Title

DEPUTY OIL & GAS INSPECTOR, DIST. #

Signature [Signature]

Date:

10 OCT 25 2006

| CLIENT: <u>AMOCO</u> | BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | LOCATION NO: <u>80833</u> C.D.C. NO: <u>8496</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---------------------------|-------------|----------|------------|-----------|----------|---------|-----------|--|-----|--|-----------|----------|------|-----------|------|------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| FIELD REPORT: CLOSURE VERIFICATION | | PAGE No: <u>1</u> of <u>1</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCATION: NAME: <u>VANDERWART A</u> WELL #: <u>6</u> PIT: <u>SEP</u> QUAD/UNIT: <u>A</u> SEC: <u>24</u> TWP: <u>29N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>SS</u> ST: <u>NM</u> QTR/FOOTAGE: <u>NE/4</u> <u>NE/4</u> CONTRACTOR: <u>FLINT</u> | | DATE STARTED: <u>31 JAN 01</u> DATE FINISHED: <u>02 FEB 01</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EXCAVATION APPROX. <u>10</u> FT. x <u>10</u> FT. x <u>4'</u> FT. DEEP. CUBIC YARDAGE: <u>0</u> DISPOSAL FACILITY: <u>NA</u> REMEDIATION METHOD: <u>NA</u> LAND USE: <u>RANGE</u> LEASE: <u>SF - 078502</u> FORMATION: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>115</u> FT. <u>N33°W</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u> NMDCD RANKING SCORE: <u>0</u> NMDCD TPH CLOSURE STD: <u>5000</u> PPM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOIL AND EXCAVATION DESCRIPTION: | | CHECK ONE <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED <input type="checkbox"/> FIBERGLASS TANK INSTALLED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVM CALIB. READ: <u>131.5</u> ppm TIME: <u>0950</u> (am) pm <u>2/2/01</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>PIT TESTED PRIOR TO ANY REMEDIAL ACTIONS. PIT HAD 8' DIA x 4' TALL STEEL PIT INSTALLED. PIT WAS REMOVED & PIT BOTTOM WAS SAMPLED WITH BACKHOE. MINOR AMOUNT OF WATER WAS IN PIT (~6" DEPTH) FROM RECENT SNOWMELT. HIT BEDROCK CLAYSTONE @ 6' DEPTH & COULD NOT PENETRATE WITH BACKHOE. 0'-6' BLUE/GRAY SILTY CLAY, MOIST, PLASTIC - SAMPLED @ 6'. 6' HIT BLUE/GRAY BEDROCK CLAYSTONE.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>SCALE</p>  <p>0 FT</p> <p>10' PIT PERIMETER</p> </div> <div style="width: 40%;"> <p>FIELD 418.1 CALCULATIONS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>TIME</th> <th>SAMPLE I.D.</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> <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> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> </div> <div style="width: 25%;"> <p><u>CLOSED</u></p> <p>BEDROCK BOTTOM</p> </div> </div> | | | TIME | SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIME | SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | <p>OVM RESULTS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>TH#1 @ 6'</td><td>2.3</td></tr> <tr><td>2 @</td><td> </td></tr> <tr><td>3 @</td><td> </td></tr> <tr><td>4 @</td><td> </td></tr> <tr><td>5 @</td><td> </td></tr> </tbody> </table> <p>LAB SAMPLES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td>TH#1 @ 6'</td><td>9015</td><td>0946</td></tr> <tr><td colspan="3" style="text-align: center;"><u>PASSED</u></td></tr> </tbody> </table> | SAMPLE ID | FIELD HEADSPACE PID (ppm) | TH#1 @ 6' | 2.3 | 2 @ | | 3 @ | | 4 @ | | 5 @ | | SAMPLE ID | ANALYSIS | TIME | TH#1 @ 6' | 9015 | 0946 | <u>PASSED</u> | | | <p>PIT PROFILE</p>  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE ID | FIELD HEADSPACE PID (ppm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TH#1 @ 6' | 2.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 @ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 @ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 @ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 @ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE ID | ANALYSIS | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TH#1 @ 6' | 9015 | 0946 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>PASSED</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TRAVEL NOTES: CALLOUT: _____ ONSITE: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

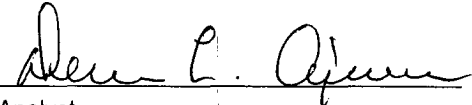
| | | | |
|----------------------|----------------------|---------------------|-----------|
| Client: | Blagg / BP | Project #: | 04034-010 |
| Sample ID: | Separator TH #1 @ 6' | Date Reported: | 02-05-01 |
| Laboratory Number: | 19169 | Date Sampled: | 02-02-01 |
| Chain of Custody No: | 8496 | Date Received: | 02-02-01 |
| Sample Matrix: | Soil | Date Extracted: | 02-05-01 |
| Preservative: | Cool | Date Analyzed: | 02-05-01 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

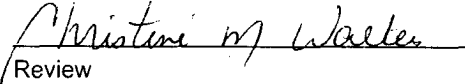
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 0.9 | 0.2 |
| Diesel Range (C10 - C28) | 23.6 | 0.1 |
| Total Petroleum Hydrocarbons | 24.5 | 0.1 |

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: Vanderwart "A" #6.


Analyst


Review

| | | |
|-------------------|---|---|
| CLIENT: <u>BP</u> | BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | LOCATION NO: <u>80833</u> C.D.C. NO: <u>9816</u> |
|-------------------|---|---|

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

| | |
|--|---|
| LOCATION: NAME: <u>VANDEWART A</u> WELL #: <u>6</u> PITS: <u>DEHY.</u> QUAD/UNIT: <u>A</u> SEC: <u>24</u> TWP: <u>29N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: _____ NEI/E CONTRACTOR: <u>FLINT</u> | DATE STARTED: <u>4/29/02</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u> |
|--|---|

SOIL REMEDIATION:

 REMEDIATION SYSTEM: LANDFARM

 APPROX. CUBIC YARDAGE: 50

 LAND USE: RANGE - BLM

 LIFT DEPTH (ft): 1.5-2

FIELD NOTES & REMARKS:

 NMCD RANKING SCORE: 0 NMCD TPH CLOSURE STD: 5000 ppm

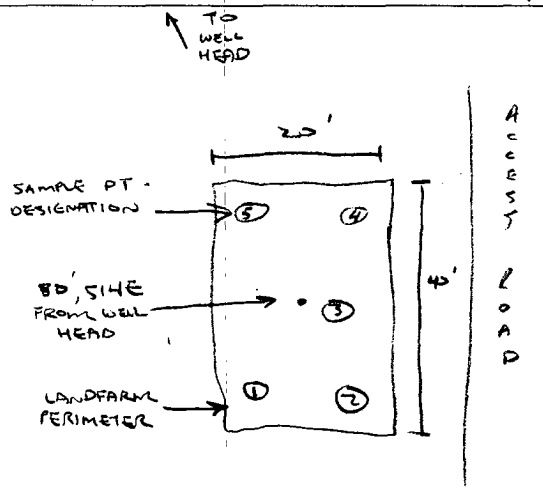
 DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

SOIL TYPE: SAND / SILTY SAND / (SILT) / SILTY CLAY / CLAY / GRAVEL / OTHER SHALE FRAGMENTS
 SOIL COLOR: VERY DUSKY RED TO PALE BROWN
 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: _____
 HC ODOR DETECTED: YES / (NO) EXPLANATION: _____
 SAMPLING DEPTHS (LANDFARMS): 12-18 (INCHES)
 SAMPLE TYPE: GRAB / (COMPOSITE) - # OF PTS. 5
 ADDITIONAL COMMENTS: _____

FIELD 418.1 CALCULATIONS

| SAMP. TIME | SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm |
|------------|-------------|---------|------------|-----------|----------|---------|-----------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. 52.6 ppm
 OVM CALIB. GAS = 100 ppm; RF = 0.52
 TIME: 8:30 @/pm DATE: 4/29/02

OVM RESULTS

LAB SAMPLES

| SAMPLE ID | FIELD HEADSPACE PID (ppm) | SAMPLE ID | ANALYSIS | TIME | RESULTS |
|-------------|---------------------------|-------------|--------------------|-------------|-----------|
| <u>LF-1</u> | <u>0.0</u> | <u>LF-1</u> | <u>TPH (80158)</u> | <u>0900</u> | <u>ND</u> |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

SCALE



0 FT

 TRAVEL NOTES: CALLOUT: N/A

 ONSITE: 4/29/02

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

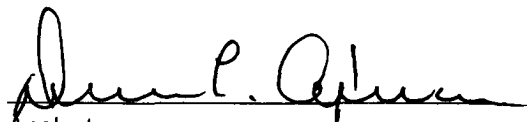
| | | | |
|----------------------|-----------------|---------------------|-----------|
| Client: | Blagg / BP | Project #: | 94034-010 |
| Sample ID: | LF - 1 | Date Reported: | 04-30-02 |
| Laboratory Number: | 22626 | Date Sampled: | 04-29-02 |
| Chain of Custody No: | 9816 | Date Received: | 04-29-02 |
| Sample Matrix: | Soil | Date Extracted: | 04-30-02 |
| Preservative: | Cool | Date Analyzed: | 04-30-02 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

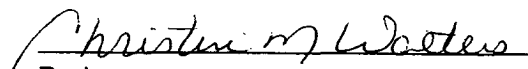
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | 0.2 |

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: **Vandewart A #6 Landfarm 5 Pt. Composite,**


Analyst


Review