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 PROD. CO. Telephone: (505-326-9200 e-mail address: _____
Address: 200 ENERGY COURT. FARMINGTON. NM 87410
Facility or well name: ARNAUD A #3 API #: 30-045- 28184 U/L or Qtr/Qtr A Sec 20 T 32N R 9W
County: SAN JUAN Latitude 36.97436 Longitude 107.79700 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

| **Pit** | **Below-grade tank** | | |
|---|---|---|---|
| Type: Drilling ☐ Production ☐ Disposal ☒ SEPARATOR<br>Workover ☐ Emergency ☐<br>Lined ☒ Unlined ☐ STEEL TANK<br>Liner type: Synthetic ☐ Thickness _____mil Clay ☐<br>Pit Volume _____bbl | Volume: _____bbl Type of fluid: _____<br>Construction material: N/A<br>Double-walled, with leak detection? Yes ☐ If not, explain why not.<br>_____ | | |
| Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) | | Less than 50 feet<br>50 feet or more, but less than 100 feet<br>100 feet or more | (20 points)<br>(10 points)<br>( 0 points) **20** |
| Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.) | | Yes<br>No | (20 points)<br>( 0 points) **0** |
| Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.) | | Less than 200 feet<br>200 feet or more, but less than 1000 feet<br>1000 feet or more | (20 points)<br>(10 points)<br>( 0 points) **0** |
| | | **Ranking Score (Total Points)** | **20** |

**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 your 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 7.5' ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: PIT LOCATED APPROXIMATELY 81 FT. S1W 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
BEDROCK BOTTOM. GROUNDWATER ENCOUNTERED

RECEIVED FEB 2006 OIL CONS. DIV. DIST. 3

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: 04/12/05

PrintedName/Title Jeff Blagg – P.E. # 11607 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.

Approval:
Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Signature _____ Date: FEB 21 2006

VLC 30045 28184 36.97436/107.79700

| CLIENT: BP | BLAGG ENGINEERING, INC.<br>P.O. BOX 87, BLOOMFIELD, NM 87413<br>(505) 632-1199 | LOCATION NO: 81503<br>COCR NO: HALL |
|---|---|---|

# FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: ARNOLD A WELL #: 3 TYPE: SEP
QUAD/UNIT: A SEC: 20 TWP: 32N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1090'N/930'E NE/NE CONTRACTOR: HOI (ONOFRE)

DATE STARTED: 4/7/05
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

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 LEASE: SF 078513 FORMATION: FT

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 81 FT. S1W FROM WELLHEAD.
DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

OVM CALIB. READ. = ____ ppm
OVM CALIB. GAS = ____ ppm RF = 0.52
TIME: ____ am/pm DATE: ____

## SOIL AND EXCAVATION DESCRIPTION:

SOIL TYPE: (SAND) / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)
SOIL COLOR: VERY PALE ORANGE
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: COLLECTED SAMPLE FROM WATER W/IN TEST HOLE. UNSURE AS TO THE ORIGIN OF WATER. BEDROCK ENCOUNTERED @ 8'-8.5' BELOW GRADE.

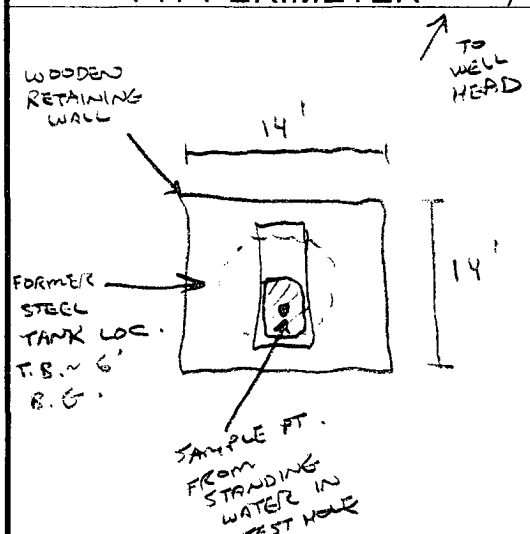
GROUNDWATER ENCOUNTERED
CLOSED
BEDROCK BOTTOM

FIELD 418.1 CALCULATIONS

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

SCALE 0 FT

## PIT PERIMETER




P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW
T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM

## OVM READING

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

## LAB SAMPLES

| SAMPLE ID | ANALYSIS | TIME |
|---|---|---|
| PW1 @ GW (7.5') | BTEX (8021B) | 1355 |
| | PASSED | |

## PIT PROFILE

NOT APPLICABLE

TRAVEL NOTES: CALLOUT: 4/7/05 - MORN. ONSITE: 4/7/05 - AFTER.

# Hall Environmental Analysis Laboratory

**Date:** *15-Apr-05*

| | | | |
|---|---|---|---|
| **CLIENT:** | Blagg Engineering | **Client Sample ID:** | PW 1 @ GW (7.5') Sep Pit |
| **Lab Order:** | 0504093 | **Collection Date:** | 4/7/2005 1:55:00 PM |
| **Project:** | Arnaud A #3 | | |
| **Lab ID:** | 0504093-01 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.50 | | µg/L | 1 | 4/12/2005 4:09:23 PM |
| Toluene | ND | 0.50 | | µg/L | 1 | 4/12/2005 4:09:23 PM |
| Ethylbenzene | ND | 0.50 | | µg/L | 1 | 4/12/2005 4:09:23 PM |
| Xylenes, Total | ND | 0.50 | | µg/L | 1 | 4/12/2005 4:09:23 PM |
| Surr: 4-Bromofluorobenzene | 97.9 | 83.3-121 | | %REC | 1 | 4/12/2005 4:09:23 PM |

**Qualifiers:**

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range