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: Atlantic B LS #7 API #: 3004510190 U/L or Qtr/Qtr A Sec 34N T 31 R 10W
County: San Juan Latitude Longitude NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐

| Pit | Below-grade tank |
|---|---|
| Type: Drilling ☐ Production ☒ Disposal ☐<br>Workover ☐ Emergency ☐<br>Lined ☐ Unlined ☐<br>Liner type: Synthetic ☐ Thickness ____mil Clay ☐<br>Pit Volume _____bbl | Volume: ____bbl Type of fluid: _____<br>Construction material: _____<br>Double-walled, with leak detection? Yes ☐ 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<br>50 feet or more, but less than 100 feet<br>100 feet or more | (20 points)<br>(10 points)<br>( 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<br>No | (20 points)<br>( 0 points) |
| 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) |
| | **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 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_____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 Brandon Powell Date DEC 19 2005

2 of 2

VHL

36.06018 107.86215

CLIENT: BP

**BLAGG ENGINEERING, INC.**
**P.O. BOX 87, BLOOMFIELD, NM 87413**
**(505) 632-1199**

LOCATION NO: B1080
COCR NO: 10273

# FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: ATLANTIC B LS WELL #: 7 TYPE: DEHY/SEP.
QUAD/UNIT: A SEC: 34 TWP: 31N RNG: 10W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 790'N/790'E NE/NE CONTRACTOR: FLINT (CORNELL)

DATE STARTED: 10/18/02
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 15 FT. x 17 FT. x 10 FT. DEEP. CUBIC YARDAGE: 60

DISPOSAL FACILITY: CROUCH MESA FACILITY REMEDIATION METHOD: LANDFARM
LAND USE: RANGE - BLM SURFACE USE - FEE LEASE: SF 080917 FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 99 FT. S35W FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: <1000'
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

## SOIL AND EXCAVATION DESCRIPTION:

ELEV. 6400

OVM CALIB. READ. = 54.2 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 9:47 am/pm DATE: 10/18/02

SOIL TYPE: (SAND) / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER
SOIL COLOR: LT. MED. TO MED. 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
DISCOLORATION/STAINING OBSERVED: (YES) / NO EXPLANATION - EXCAVATION (3 - 12 FT. BELOW GRADE W/IN EXCAVATION)
HC ODOR DETECTED: (YES) NO EXPLANATION - EXCAVATION & OVM SAMPLE
SAMPLE TYPE: (GRAB) COMPOSITE - # OF PTS. —
ADDITIONAL COMMENTS: WATER WELL UP GRADIENT (SSE DIRECTION) APPROX. 130 FT. LANDOWNER (KATIE DALSTROM (SPT.)) INDICATED SUBMERSIBLE PUMP SET APPROX. 175 FT. BELOW GROUND). BEDROCK OUTCROP OBSERVED NNE & SSE OF WELL PAD, SEE ATTACHED BORE/TEST HOLE SHEET.

(CLOSED)

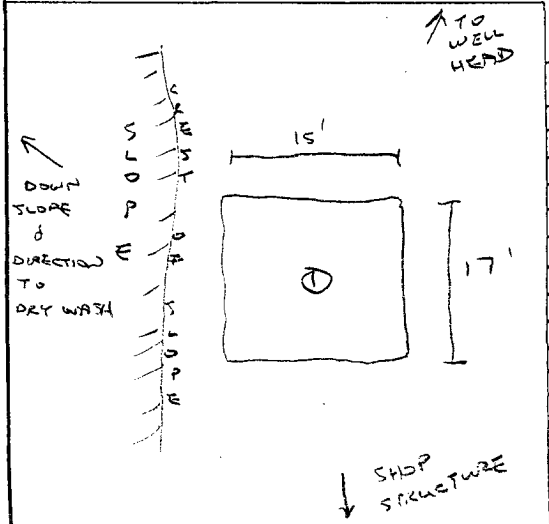
(BEDROCK ENCOUNTERED)

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 @ 12' | 334 |
| 2 @ | |
| 3 @ | |
| 4 @ | |
| 5 @ | |

LAB SAMPLES

| SAMPLE ID | ANALYSIS | TIME |
|---|---|---|
| ① @ 12' | TPH (8015B) | 0932 |
| " | BTEX (8021B) | " |
| | (BOTH PASSED) | |

## PIT PROFILE

NOT APPLICABLE

TRAVEL NOTES: CALLOUT: 10/18/02 - MORN. ONSITE: 10/18/02 - MORN.

revised: 09/04/02

bei1005C.skf

KATIE DALSTROM 333-2136

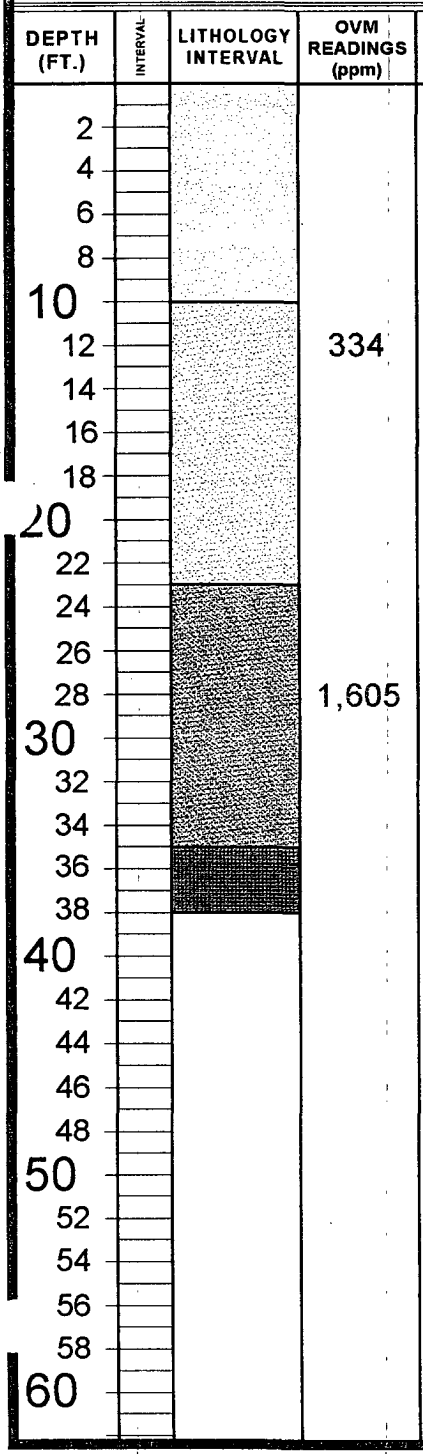
# BLAGG ENGINEERING, Inc.

P.O. BOX 87
BLOOMFIELD, NM 87413
(505) 632-1199


# BORE / TEST HOLE REPORT

| | |
|---|---|
| CLIENT: | BP AMERICA PRODUCTION COMPANY |
| LOCATION NAME: | ATLANTIC B LS #7 UNIT A, SEC. 34, T31N, R10W |
| CONTRACTOR: | BLAGG ENGINEERING, INC. |
| EQUIPMENT USED: | EARTHPROBE 200 |
| BORING LOCATION: | 99 FEET, S35W FROM WELL HEAD. |

| | |
|---|---|
| BORING #..... | BH - 1 |
| MW #..... | - |
| PAGE #..... | 1 |
| DATE STARTED | 10/23/02 |
| DATE FINISHED | |
| OPERATOR..... | JCB |
| PREPARED BY | NJV |




## FIELD CLASSIFICATION AND REMARKS

GROUND SURFACE

Upon completion of boring & sampling, inserted 2 inch PVC piping for passive venting - casing from 3 ft. above grade to 5.5 ft. below grade, 0.010 slotted screen between 5.5 to 35.5 feet below grade, sand packed annular to 1 ft. below grade, then bentonite powdered to surface. Wind generated turbine placed on top of casing.

BACKFILL MATERIAL - PALE ORANGE SAND TO SILTY SAND ( 0 - 10 FT. BELOW GRADE).

SAMPLE 1 @ 12 FT. - CONDUCTED DURING SOIL REMOVAL ON 10/18/02; TIME COLLECTED 0932, TPH = **1,140** ppm; Benzene = **156** ppb; Total BTEX = **6,570** ppb (see Pit Closure Field Report for additional information).

MEDIUM TO DARK GRAY SAND, NON COHESIVE, MOIST, STRONG HC ODOR DETECTED PHYSICALLY WITHIN CUTTINGS ( 10 - 23 FT. BELOW GRADE).

BH1 @ 28 FT. - CONDUCTED DURING DRILLING ON 10/23/02; TIME COLLECTED 0943, TPH = **506** ppm; Benzene = **21.7** ppb; Total BTEX = **5,870** ppb.

DARK GRAY TO BLACK SAND, NON COHESIVE, SLIGHTLY MOIST TO MOIST, HC ODOR DETECTED WITHIN CUTTINGS ( 23 - 35 FT. BELOW GRADE).

DARK GRAY TO BLACK SILTY SAND, NON COHESIVE, SLIGHTLY MOIST, DENSE, HC ODOR PHYSICALLY DETECTED WITHIN CUTTINGS ( 35 - 37 FT. BELOW GRADE).

POSSIBLY BEDROCK OR CLAYSTONE - DARK GREENISH GRAY, DENSE TO HARD, BECOMING MORE COMPETENT @ 37 TO 38 FT. BELOW GRADE.

NOTES:

- SAND TO SILTY SAND.
- BEDROCK OR VERY HARD CLAY.

**OVM** - organic vapor meter or PID (photoionization detector).
**ppm** - parts per million.
**ppb** - parts per billion.
**TPH** - total petroleum hydrocarbons (US Epa modified method 8015B).
**BTEX** - benzene, toluene, ethylbenzene, & total xylenes.

**OVM CALIBRATION:**
**54.2 ppm; RF = 0.52 (RF = response factor).**
**100 ppm calibration gas - isobutylene.**
**Date - 10/23/02.**
**Time - 0943.**

DRAWING: ATL-B-LS-7. SKF | DATE: 10/24/02 | DWN BY: NJV

# 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 @ 12' | Date Reported: | 10-22-02 |
| Laboratory Number: | 24067 | Date Sampled: | 10-18-02 |
| Chain of Custody No: | 10273 | Date Received: | 10-18-02 |
| Sample Matrix: | Soil | Date Extracted: | 10-18-02 |
| Preservative: | Cool | Date Analyzed: | 10-22-02 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|---|---|---|
| **Gasoline Range (C5 - C10)** | **1,010** | **0.2** |
| **Diesel Range (C10 - C28)** | **134** | **0.1** |
| **Total Petroleum Hydrocarbons** | **1,140** | **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: **Atlantic B LS #7 Dehydrator / Separator Pit Grab Sample.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client: | Blagg / BP | Project #: | 94034-010 |
| Sample ID: | 1 @ 12' | Date Reported: | 10-22-02 |
| Laboratory Number: | 24067 | Date Sampled: | 10-18-02 |
| Chain of Custody: | 10273 | Date Received: | 10-18-02 |
| Sample Matrix: | Soil | Date Analyzed: | 10-22-02 |
| Preservative: | Cool | Date Extracted: | 10-18-02 |
| Condition: | Cool & Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|---|---|---|
| **Benzene** | **156** | **1.8** |
| **Toluene** | **774** | **1.7** |
| **Ethylbenzene** | **849** | **1.5** |
| **p,m-Xylene** | **3,210** | **2.2** |
| **o-Xylene** | **1,580** | **1.0** |
| **Total BTEX** | **6,570** | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|---|---|---|
| | **Fluorobenzene** | **94 %** |
| | **1,4-difluorobenzene** | **94 %** |
| | **Bromochlorobenzene** | **94 %** |

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:** **Atlantic B LS #7 Dehydrator / Separator Pit Grab Sample.**

Analyst

Review

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# 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: | BH 1 @ 29' | Date Reported: | 10-24-02 |
| Laboratory Number: | 24084 | Date Sampled: | 10-23-02 |
| Chain of Custody No: | 10276 | Date Received: | 10-23-02 |
| Sample Matrix: | Soil | Date Extracted: | 10-24-02 |
| Preservative: | Cool | Date Analyzed: | 10-24-02 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|---|---|---|
| **Gasoline Range (C5 - C10)** | **355** | **0.2** |
| **Diesel Range (C10 - C28)** | **151** | **0.1** |
| **Total Petroleum Hydrocarbons** | **506** | **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: **Atlantic B LS #7 Dehydrator/Separator Pit Grab Sample.**

Analyst

Review

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client: | Blagg / BP | Project #: | 94034-010 |
| Sample ID: | BH 1 @ 29' | Date Reported: | 10-24-02 |
| Laboratory Number: | 24084 | Date Sampled: | 10-23-02 |
| Chain of Custody: | 10276 | Date Received: | 10-23-02 |
| Sample Matrix: | Soil | Date Analyzed: | 10-24-02 |
| Preservative: | Cool | Date Extracted: | 10-24-02 |
| Condition: | Cool & Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|---|---|---|
| **Benzene** | **21.7** | **1.8** |
| **Toluene** | **618** | **1.7** |
| **Ethylbenzene** | **640** | **1.5** |
| **p,m-Xylene** | **3,160** | **2.2** |
| **o-Xylene** | **1,430** | **1.0** |
| **Total BTEX** | **5,870** | |

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:** **Atlantic B LS #7 Dehydrator/Separator Pit Grab Sample.**

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Review

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