

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 ☒

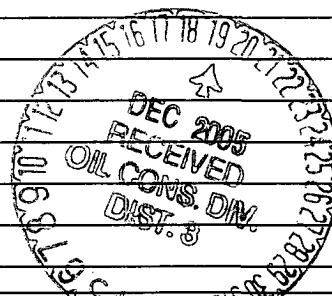
Operator: BP America Production Company Telephone: (505)326-9200 e-mail address: _____
Address: 200 Energy Ct, Farmington, NM 87401
Facility or well name: Mudge LS #36 API #: 32045 21102 U/L or Qtr/Qtr N Sec 21 T 31N R 11W
County: San Juan Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐

| | | |
|---|--|-------------|
| 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) |
| | 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) |
| 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) |
| | 1000 feet or more | (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 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 OED 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. 8
Printed Name/Title _____

Signature Brandon Penell

Date: DEC 19 2005

| | | |
|-------------------|--|---|
| CLIENT: <u>BP</u> | BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | LOCATION NO: <u>B1019</u> C.D.C. NO: <u>9094</u> |
|-------------------|--|---|

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

| | |
|---|---|
| LOCATION: NAME: <u>MUDGE LS</u> WELL #: <u>36</u> TYPE: <u>BLOW</u> QUAD/UNIT: <u>N SEC: 21 TWP: 31N RNG: 11W PM: Nm CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>800' / 1850' W Selsw CONTRACTOR: HIGH DESERT (HEBER)</u> | DATE STARTED: <u>7/19/02</u> DATE FINISHED: _____ 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 - Bum LEASE: SF 078096 FORMATION: PC

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 69 FT. N19E FROM WELLHEAD

DEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ: 53.6 ppm
 OVM CALIB. GAS = 100 ppm RE = 2.52
 TIME: 6:23 am/pm DATE: 7/9/02

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

SOIL COLOR: DK. YELL. ORANGE TO BLACK

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 (CLOSED)

MOISTURE: DRY / SLIGHTLY MOIST / (MOIST) / WET / SATURATED / SUPER SATURATED

DISCOLORATION/STAINING OBSERVED: (YES) / NO EXPLANATION - BLACK - 1 FT. BELOW BOTTOM OF TEST HOLE

HC ODOR DETECTED: (YES) / NO EXPLANATION - OUM SAMPLE

SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS. -

ADDITIONAL COMMENTS: _____

SCALE

0 FT

FIELD 418.1 CALCULATIONS

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

PIT PERIMETER

T.H. ~3'
B.P.D.
B.G.

TO WELL HEAD ↓

PIT PROFILE

OVM RESULTS

| SAMPLE ID | FIELD HEADSPACE PID (ppm) |
|-----------|---------------------------|
| 1 @ 7' | 525 |
| 2 @ | |
| 3 @ | |
| 4 @ | |
| 5 @ | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

LAB SAMPLES

| SAMPLE ID | ANALYSIS | TIME |
|--------------------|--------------|------|
| 1 @ 7' | TPH (80158) | 0615 |
| " | BTEX (80218) | " |
| <u>BOTH PASSED</u> | | |

NOT APPLICABLE

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

TRAVEL NOTES: CALLOUT: 7/18/02 - AFTER. ONSITE: 7/19/02 - 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 @ 7' | Date Reported: | 07-23-02 |
| Laboratory Number: | 23383 | Date Sampled: | 07-19-02 |
| Chain of Custody No: | 9094 | Date Received: | 07-19-02 |
| Sample Matrix: | Soil | Date Extracted: | 07-22-02 |
| Preservative: | Cool | Date Analyzed: | 07-23-02 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

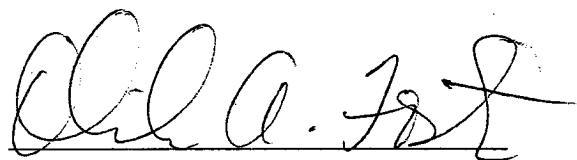
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 2,320 | 0.2 |
| Diesel Range (C10 - C28) | 112 | 0.1 |
| Total Petroleum Hydrocarbons | 2,430 | 0.2 |

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: **Mudge LS #36 Blow 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 @ 7' | Date Reported: | 07-23-02 |
| Laboratory Number: | 23383 | Date Sampled: | 07-19-02 |
| Chain of Custody: | 9094 | Date Received: | 07-19-02 |
| Sample Matrix: | Soil | Date Analyzed: | 07-23-02 |
| Preservative: | Cool | Date Extracted: | 07-22-02 |
| Condition: | Cool & Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | 119 | 1.8 |
| Toluene | 453 | 1.7 |
| Ethylbenzene | 1,300 | 1.5 |
| p,m-Xylene | 2,100 | 2.2 |
| o-Xylene | 2,010 | 1.0 |
| Total BTEX | 5,980 | |


ND - Parameter not detected at the stated detection limit.

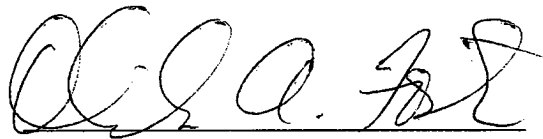
| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 97 % |
| | 1,4-difluorobenzene | 97 % |
| | Bromochlorobenzene | 97 % |

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: Mudge LS #36 Blow Pit Grab Sample.


Analyst


Review