

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#8 API #: 3004510932 U/L or Qtr/Qtr A Sec 12 T 31N R 11W  
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: \_\_\_\_\_

Construction material: \_\_\_\_\_

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	(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

3 of 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 (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. #3**

Printed Name/Title \_\_\_\_\_

Signature Denny Faint

Date: DEC 14 2005

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80880</u> C.O.C. NO: <u>9413</u>
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FIELD REPORT: CLOSURE VERIFICATION

LOCATION: NAME: <u>MUDGE</u> LS WELL #: <u>8</u> PIT: <u>DEHY</u>	PAGE No: <u>1</u> of <u>1</u>
QUAD/UNIT: <u>A</u> SEC: <u>12</u> TWP: <u>31N</u> RNG: <u>11W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	DATE STARTED: <u>8/16/01</u> DATE FINISHED: _____
QTR/FOOTAGE: <u>990N/990E</u> NE/NE CONTRACTOR: <u>FLINT</u>	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-BLM LEASE: SF-078040 FORMATION: MU

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 123 FT. SSSE FROM WELLHEAD

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

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

SOIL AND EXCAVATION DESCRIPTION:	DVM CALIB. READ: <u>54.5</u> ppm	CHECK ONE
	DVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u>	<input checked="" type="checkbox"/> PIT ABANDONED
TIME: <u>7:30</u> @/pm DATE: <u>8/16/01</u>		<input type="checkbox"/> STEEL TANK INSTALLED
		<input type="checkbox"/> FIBERGLASS TANK INSTALLED

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

SOIL COLOR: MOD. BROWN CLAY (WET) BEDROCK - GRAYISH TO DK. YELL. 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 (CLOSED)

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - \_\_\_\_\_

HC ODOR DETECTED: (YES) / NO EXPLANATION - SLIGHT

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

ADDITIONAL COMMENTS: BEDROCK - FIRMABLE, HARD. PIT POSSIBLY ESTABLISHED AS A WORKOVER PIT BETWEEN SEPT. '98 TO PRESENT.

BEDROCK BOTTOM

FIELD 418.1 CALCULATIONS							
SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

<p>PIT PERIMETER</p> <p>TEST HOLE APPROX. 15' BELOW PIT DEPRESSION</p> <p>15'</p> <p>16'</p> <p>6'</p> <p>METER RUN</p> <p>PIT DEPRESSION APPROX. 6' BELOW GRADE</p>	<p>OVM RESULTS</p> <table border="1"> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> <tr><td>1 @ 7.5'</td><td>37.2</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> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 @ 7.5'	37.2	2 @		3 @		4 @		5 @		<p>PIT PROFILE</p> <p>NOT APPLICABLE</p>
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2 @														
3 @														
4 @														
5 @														
<p>LAB SAMPLES</p> <table border="1"> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> <tr> <td>① @ 7.5'</td> <td>TPH (30 IS)</td> <td>0740</td> </tr> <tr> <td colspan="3" style="text-align: center;"><u>PASSED</u></td> </tr> </table>	SAMPLE ID	ANALYSIS	TIME	① @ 7.5'	TPH (30 IS)	0740	<u>PASSED</u>							
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<u>PASSED</u>														

TRAVEL NOTES: CALLOUT: 8/15/01 - AFTER. ONSITE: 8/16/01

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

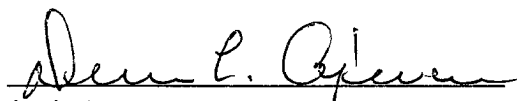
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 7.5'	Date Reported:	08-17-01
Laboratory Number:	20662	Date Sampled:	08-16-01
Chain of Custody No:	9413	Date Received:	08-16-01
Sample Matrix:	Soil	Date Extracted:	08-17-01
Preservative:	Cool	Date Analyzed:	08-17-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

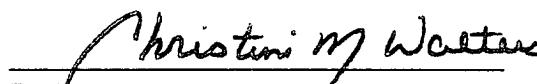
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Mudge LS #8 Dehydrator Pit    Grab Sample.**

  
Analyst

  
Review