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 MUDGE B #15A API #: 30045 23160 U/L or Qtr/Qtr P Sec 8 T 31 N R 11 W
County San Juan Latitude Longitude NAD 1927 ☐ 1983 ☒
Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank
Type: Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type: Synthetic ☐ Thickness ____mil Clay ☐ Pit Volume ____bbl	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 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) 10
Wellhead protection area (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (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 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) 0
	Ranking Score (Total Points)	10

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

RCUD JUN13'07
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 (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, District #3 Signature Date: AUG 10 2007

30045 23160

CLIENT: BP

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

LOCATION NO B0777
C.O.C. NO 9694

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME MUDGE B WELL #: 15A PIT ABAN.
QUAD/UNIT: P SEC: 8 TWP: 31N RNG: 11W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1150'S/810'E SE CONTRACTOR: FLINT

DATE STARTED 12/4/01
DATE FINISHED
ENVIRONMENTAL SPECIALIST NV

EXCAVATION APPROX. 24 FT. x 22 FT x 10 FT. DEEP CUBIC YARDAGE: 150
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED
LAND USE: RANGE - BLM LEASE: SF078096 FORMATION: Pc/mv

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 111 FT. S23E FROM WELLHEAD
DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER >1000'
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

CHECK ONE
✓ PIT ABANDONED
___ STEEL TANK INSTALLED
___ FIBERGLASS TANK INSTALLED

OVM CALIB. READ. 53.0 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 10:20 (AM) pm DATE: 12/4/01

SOIL AND EXCAVATION DESCRIPTION:

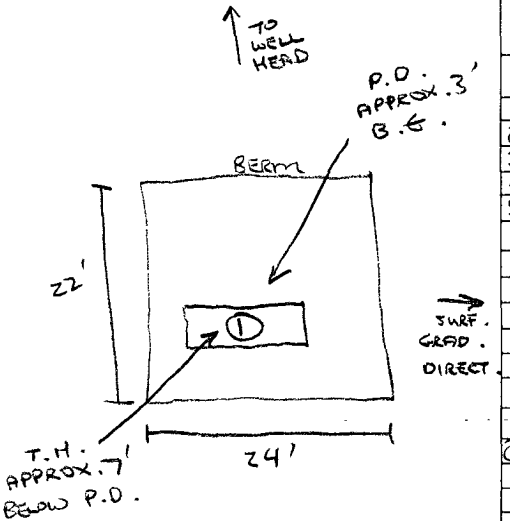
SOIL TYPE: (SAND) / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER
SOIL COLOR: MED. GRAY PHASING INTO LT. GRAY
COHESION (ALL OTHERS): (NON COHESIVE) / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE
CONSISTENCY (NON COHESIVE SOILS): (LOOSE) / (FIRM) / DENSE / VERY DENSE
~~PLASTICITY (CLAYS)~~: NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
~~DENSITY (COHESIVE CLAYS & SILTS)~~: SOFT / FIRM / STIFF / VERY STIFF / HARD (CLOSED)
MOISTURE: DRY / SLIGHTLY MOIST / (MOIST) / WET / (SATURATED) / SUPER SATURATED
DISCOLORATION/STAINING OBSERVED: YES / (NO) EXPLANATION - ENTIRE INTERVAL OF TEST HOLE
HC ODOR DETECTED: (YES) / NO EXPLANATION - ENTIRE INTERVAL OF TEST HOLE & OVM SAMPLE.
SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS. —
ADDITIONAL COMMENTS: INSTRUCTED OPERATOR TO EXCAVATE PIT AREA DIMENSIONS DOWN TO MAXIMUM EXTENT OF BACKHOE. PIT SOIL SATURATED W/ PROD. FLUID NEAR TOP PORTION OF TEST HOLE (APPROX. 3'-4' INTERVAL).

FIELD 418.1 CALCULATIONS

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

SCALE 0 FT

PIT PERIMETER



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

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 9'	549
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
① @ 9'	TPH (8015B)	1013
"	BTEX (8021B)	"
	(BOTH PASSED)	

PIT PROFILE

NOT APPLICABLE

TRAVEL NOTES: CALLOUT: 12/3/01 - AFTER. ONSITE: 12/4/01 - MORN.

revised: 08/17/01 bei1005A.skd

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 @ 9'	Date Reported:	12-05-01
Laboratory Number:	21649	Date Sampled:	12-04-01
Chain of Custody No:	9694	Date Received:	12-04-01
Sample Matrix:	Soil	Date Extracted:	12-05-01
Preservative:	Cool	Date Analyzed:	12-05-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**16.4**	**0.2**
Diesel Range (C10 - C28)	**7.7**	**0.1**
Total Petroleum Hydrocarbons	**24.1**	**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 B #15A Abandoned 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 @ 9'	Date Reported:	12-05-01
Laboratory Number:	21649	Date Sampled:	12-04-01
Chain of Custody:	9694	Date Received:	12-04-01
Sample Matrix:	Soil	Date Analyzed:	12-05-01
Preservative:	Cool	Date Extracted:	12-05-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**270**	**1.8**
Toluene	**898**	**1.7**
Ethylbenzene	**314**	**1.5**
p,m-Xylene	**2,130**	**2.2**
o-Xylene	**894**	**1.0**
Total BTEX	**4,510**	

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: **Mudge B #15A Abandoned Pit Grab Sample.**

Analyst

Review

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