

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: <u>BP AMERICA PROD. CO.</u> Telephone: <u>(505)-326-9200</u> e-mail address: _____		
Address: <u>200 ENERGY COURT, FARMINGTON, NM 87410</u>		
Facility or well name: <u>MUDGE B #14A</u> API #: <u>30-045- 23178</u> U/L or Qtr/Qtr <u>F</u> Sec <u>21</u> T <u>31N</u> R <u>11W</u>		
County: <u>SAN JUAN</u> Latitude <u>36.88705</u> Longitude <u>107.99926</u> NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/> Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> <u>SEPARATOR</u> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" 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 checked="" 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 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) 10 (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 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) 10 (0 points)
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 you are burying in place) onsite ☐ offsite ☒ If offsite, name of facility BP CROUCH MESA LF. (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: <u>PIT LOCATED APPROXIMATELY 147 FT. S3E FROM WELL HEAD.</u>
<u>PIT EXCAVATION: WIDTH 18 ft., LENGTH 18 ft., DEPTH 12 ft.</u>
<u>PIT REMEDIATION: CLOSE AS IS: <input type="checkbox"/>, LANDFARM: <input type="checkbox"/>, COMPOST: <input type="checkbox"/>, STOCKPILE: <input type="checkbox"/>, OTHER <input checked="" type="checkbox"/> EXCAVATION</u>
Cubic yards: <u>110</u>
<u>BEDROCK BOTTOM</u>

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: 07/25/05

Printed Name/Title Jeff Blagg - P.E. # 11607 Signature Jeff 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. 43
Printed Name/Title _____ Signature Bob Bell Date: FEB 28 2006

CLIENT:

BP

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

LOCATION NO: B1570

COCR NO: HALL

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: MUDGE B WELL #: 14A TYPE: SEP
 QUAD/UNIT: F SEC: 21 TWP: 31N RNG: 11W PM: NM CNTY: SJ ST: NM
 QTR/FOOTAGE: 1560 FNL x 1685 FWL SE(NW) CONTRACTOR: P+S (JAMIE)

DATE STARTED: 7/12/05
 DATE FINISHED: 7/12/05

ENVIRONMENTAL SPECIALIST: JCBEXCAVATION APPROX. 18 FT. x 18 FT. x 12 FT. DEEP. CUBIC YARDAGE: 110+DISPOSAL FACILITY: BP CROUCH MESA L.F. REMEDIATION METHOD: EXCAVATIONLAND USE: RANGE - BLM LEASE: SF - 078096 FORMATION: MV/PCFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 147 FT. S3°E FROM WELLHEAD.DEPTH TO GROUNDWATER: <100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: <1000NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM**SOIL AND EXCAVATION DESCRIPTION:**

OVM CALIB. READ. = 52.2 ppm
 OVM CALIB. GAS = 100 ppm RF = 0.52
 TIME: 1445 am/pm DATE: 7/12

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK SANDSTONE @ 12' BGSOIL COLOR: Light TanCOHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (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 SATURATEDDISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION - FROM PIT BASE TO 6' BG ONLYHC ODOR DETECTED: YES NO EXPLANATION - PIT BASE TO 6' - MODERATE, BELOW 6' V. LITESAMPLE TYPE: GRAB COMPOSITE - # OF PTS. —

ADDITIONAL COMMENTS:

BEDROCK Bottom

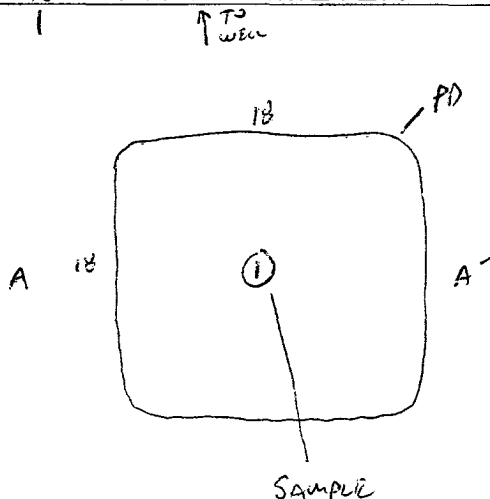
18' x 18' x 3' Deep Earthen Pit. USE EXTENSIVE
TO Remove Impacted Soils to Bedrock @ 12' Below Grade.

FIELD 418.1 CALCULATIONS

SCALE



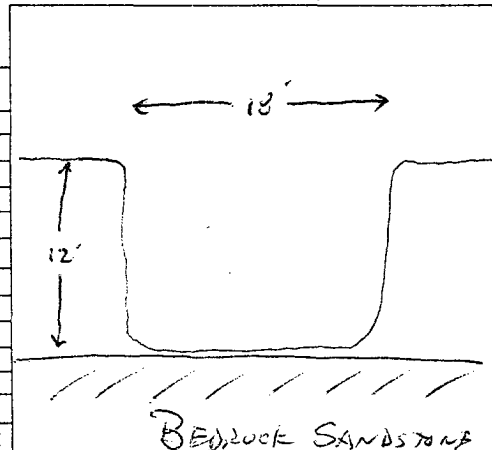
0 1 FT

PIT PERIMETER**OVM READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 12'	21.1
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 12'	TPH	1400
	<u>PASSED</u>	

PIT PROFILE

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

TRAVEL NOTES:

CALLOUT:

ONSITE: 7/12/05

Hall Environmental Analysis Laboratory

Date: 26-Jul-05

CLIENT: Blagg Engineering

Client Sample ID: Mudge B#14A Separator#1@12'

Lab Order: 0507150

Collection Date: 7/12/2005 2:00:00 PM

Project: BP

Lab ID: 0507150-01

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	11	10		mg/Kg	1	7/25/2005 10:19:45 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/25/2005 10:19:45 AM
Surr: DNOP	60.6	60-124		%REC	1	7/25/2005 10:19:45 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/21/2005 5:52:33 PM
Surr: BFB	99.3	78.3-120		%REC	1	7/21/2005 5:52:33 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