

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 PROD. CO. Telephone: (505)-326-9200 e-mail address: _____
Address: 200 ENERGY COURT, FARMINGTON, NM 87410
Facility or well name: MUDGE A #2 API #: 30-045- 10948 U/L or Qtr/Qtr A Sec 10 T 31N R 11W
County: SAN JUAN Latitude 36.91892 Longitude 107.97228 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit

Type: Drilling ☐ Production ☐ Disposal ☒ DEHYDRATOR
Workover ☐ Emergency ☐
Lined ☒ Unlined ☐ STEEL TANK
Liner type: Synthetic ☐ Thickness _____ mil Clay ☐
Pit Volume _____ bbl

Below-grade tank

Volume: _____ bbl Type of fluid: _____
Construction material: N/A
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) 0
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) 0

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) 10
1000 feet or more	(0 points)

Ranking Score (Total Points)	10
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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: PIT LOCATED APPROXIMATELY 78 FT. S33E FROM WELL HEAD.

PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.

PIT REMEDIATION: CLOSE AS IS: ☒ LANDFARM: ☐ COMPOST: ☐ STOCKPILE: ☐ OTHER ☐ (explain)

Cubic yards: N/A

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: 09/27/05

Printed Name/Title Jeff Blagg - P.E. # 11607

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. 43

Printed Name/Title _____

Signature Robert R. Bell

Date: FEB 28 2006

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B1654</u> COCR NO: <u>14561</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>MUDGE A</u> WELL #: <u>2</u> TYPE: <u>DEHP</u> QUAD/UNIT: <u>A</u> SEC: <u>10</u> TWP: <u>31N</u> RNG: <u>11W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>660 FNL x 660 FEL NE/SE</u> CONTRACTOR: <u>HDI (Lowe)</u>	PAGE No: <u>1</u> of <u>1</u> DATE STARTED: <u>9-23-05</u> DATE FINISHED: <u>9-23-05</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>
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EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: 0

DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS IS

LAND USE: RANGE-BLM LEASE: SF 078040 FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 78 FT. S33E 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:

OVM CALIB. READ. = 52.9 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 0900 am/pm DATE: 9/23/05

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

SOIL COLOR: Light Tan

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 - Gray stain Pit Base to 13'

HC ODOR DETECTED: (YES) / NO EXPLANATION - Mud to 13', Clean @ 13'-14'

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

ADDITIONAL COMMENTS: 6'x6'x6' Deep Wood lined cellar w/ 21 Bbl Steel tank. Use Extender to P-111 Tank & Collect Sample

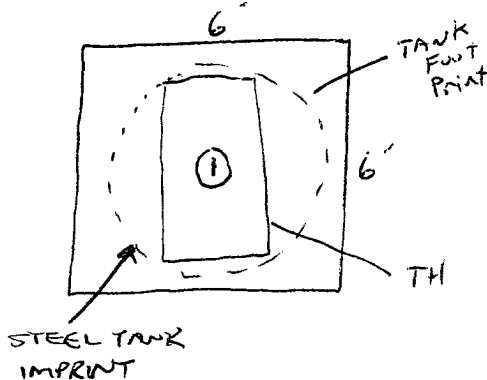
SCALE



FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

PIT PERIMETER

OVM
READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 14'	133
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 14'	TPH/GEX	1445

PASSED

PIT PROFILE

NOT APPLICABLE

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

TRAVEL NOTES:

CALLOUT: _____

ONSITE: 9/23/05

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

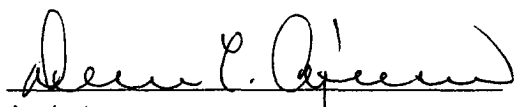
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 14'	Date Reported:	09-27-05
Laboratory Number:	34461	Date Sampled:	09-23-05
Chain of Custody No:	14561	Date Received:	09-26-05
Sample Matrix:	Soil	Date Extracted:	09-26-05
Preservative:	Cool	Date Analyzed:	09-27-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

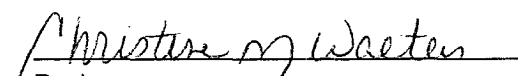
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	251	0.2
Diesel Range (C10 - C28)	41.4	0.1
Total Petroleum Hydrocarbons	292	0.2

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 A #2 Dehy Pit.**


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 @ 14'	Date Reported:	09-27-05
Laboratory Number:	34461	Date Sampled:	09-23-05
Chain of Custody:	14561	Date Received:	09-26-05
Sample Matrix:	Soil	Date Analyzed:	09-27-05
Preservative:	Cool	Date Extracted:	09-26-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	65.2	1.8
Toluene	1,950	1.7
Ethylbenzene	1,610	1.5
p,m-Xylene	14,260	2.2
o-Xylene	4,890	1.0
Total BTEX	22,780	

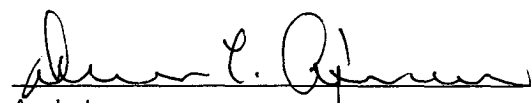
ND - Parameter not detected at the stated detection limit.

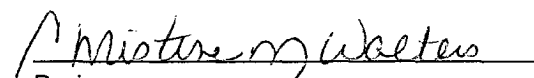
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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 A #2 Dehy Pit.


Analyst


Review