

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: Kernaghan B #1A API #: 3004522423 U/L or Qtr/Qtr G Sec 33 T 31N R 8W
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)

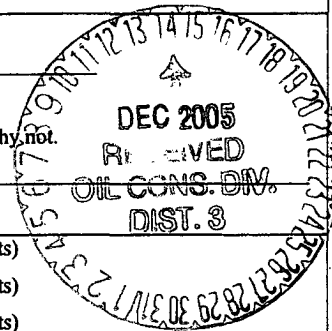
200 feet or more, but less than 1000 feet

(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

1 of 2

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 Zent

Date: DEC 14 2005

3004522423

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80873</u> C.O.C. NO: <u>9279</u>
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>KERNAGHAN</u> B WELL #: <u>1A</u> PIT: <u>DEHY</u> QUAD/UNIT: <u>E</u> SEC: <u>33</u> TWP: <u>31N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>ST</u> STNM QTR/FOOTAGE: <u>1460N/840W</u> SW/40 CONTRACTOR: <u>FLINT</u>	DATE STARTED: <u>7/17/01</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>NA</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>CLOSE AS IS</u>
LAND USE: <u>RANGE - BLM</u> LEASE: <u>SF 078387A</u> FORMATION: <u>MU/FT</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>51</u> FT. <u>NOSE</u> FROM WELLHEAD	
DEPTH TO GROUNDWATER: <u>>100'</u>	NEAREST WATER SOURCE: <u>>1000'</u>
NEAREST SURFACE WATER: <u>>1000'</u>	
NMOC D RANKING SCORE: <u>0</u>	NMOC D TPH CLOSURE STD: <u>5000</u> PPM

SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: <u>(SAND)</u> SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>GEOROCK (SANDSTONE)</u> SOIL COLOR: <u>DR. YELL. BROWN</u> <u>GEOROCK - LT. GRAY</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE <u>(FIRM)</u> / 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 / <u>SLIGHTLY MOIST</u> / <u>MOIST</u> / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: YES / <u>NO</u> EXPLANATION - _____ HC ODOR DETECTED: YES / <u>NO</u> EXPLANATION - _____ SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>GEOROCK - VERY HARD, HC ODOR DETECTED IN OVM SAMPLE.</u> <div style="border: 1px solid black; padding: 2px; display: inline-block;">BEDROCK BOTTOM</div>	DVM CALIB. READ: <u>53.9</u> ppm DVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u> TIME: <u>10:15</u> @m/pm DATE: <u>7/17/01</u> <div style="border: 1px solid black; padding: 5px;"> CHECK ONE <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED <input type="checkbox"/> FIBERGLASS TANK INSTALLED </div>
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FIELD 418.1 CALCULATIONS							
SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE

0 FT

PIT PERIMETER 25' x 23' x 3'

TEST HOLE APPROX. 4' BELOW PIT DEPRESSION

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 3'	149.6
2 @	
3 @	
4 @	
5 @	

NOT APPLICABLE

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
① @ 3'	TPH (3015)	1300
"	BTEX (3021)	"
<u>(BOTH PASSED)</u>		

TRAVEL NOTES: CALLOUT: <u>7/17/01 - MORN.</u> ONSITE: <u>7/17/01 - AFTER.</u>

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

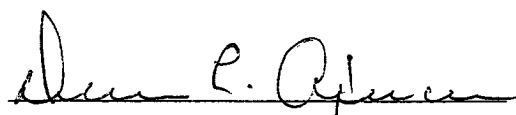
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 8'	Date Reported:	07-18-01
Laboratory Number:	20403	Date Sampled:	07-17-01
Chain of Custody No:	9279	Date Received:	07-17-01
Sample Matrix:	Soil	Date Extracted:	07-18-01
Preservative:	Cool	Date Analyzed:	07-18-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

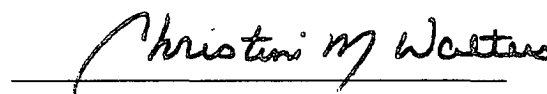
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	52.2	0.2
Diesel Range (C10 - C28)	167	0.1
Total Petroleum Hydrocarbons	219	0.2

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: Kernaghan B #1A Dehydrator 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 @ 8'	Date Reported:	07-18-01
Laboratory Number:	20403	Date Sampled:	07-17-01
Chain of Custody:	9279	Date Received:	07-17-01
Sample Matrix:	Soil	Date Analyzed:	07-18-01
Preservative:	Cool	Date Extracted:	07-18-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	61.5	1.7
Ethylbenzene	56.7	1.5
p,m-Xylene	238	2.2
o-Xylene	232	1.0
Total BTEX	588	

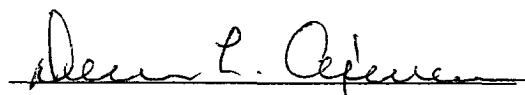
ND - Parameter not detected at the stated detection limit.

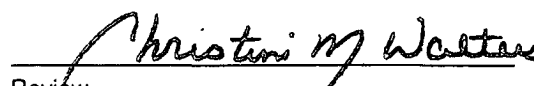
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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: Kernaghan B #1A Dehydrator Pit.


Analyst


Review