

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

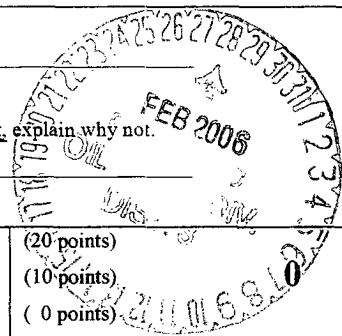
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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: <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>KERNAGHAN B #7</u> API #: <u>30-045- 27350</u> U/L or Qtr/Qtr <u>H</u> Sec <u>30</u> T <u>31N</u> R <u>8W</u>			
County: <u>SAN JUAN</u> Latitude <u>36.87236</u> Longitude <u>107.71109</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 checked="" type="checkbox"/> Unlined <input type="checkbox"/> <u>STEEL TANK</u> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Volume: _____ bbl Type of fluid: <u>N/A</u> Construction material: <u>N/A</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. <u>N/A</u>		
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)		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) 1000 feet or more (0 points)		0
Ranking Score (Total Points)			0

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: <u>PIT LOCATED APPROXIMATELY 147 FT. S57E FROM WELL HEAD.</u>
<u>PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.</u>
<u>PIT REMEDIATION: CLOSE AS IS: <input checked="" type="checkbox"/>, LANDFARM: <input type="checkbox"/>, COMPOST: <input type="checkbox"/>, STOCKPILE: <input type="checkbox"/>, OTHER <input type="checkbox"/> (explain)</u>
Cubic yards: <u>N/A</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: 12/27/05

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: SECURITY OIL & GAS INSPECTOR, DIST. 4

Printed Name/Title

Signature Red Bull

Date: FEB 28 2006

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>81734</u> COCR NO: <u>14603</u>
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FIELD REPORT: PIT CLOSURE VERIFICATIONPAGE No: 1 of 1

LOCATION: NAME: KERNAGHAN B WELL #: 7 TYPE: SEP
 QUAD/UNIT: H SEC: 30 TWP: 31N RNG: 8W PM: NM CNTY: SJ ST: NM
 QTR/FOOTAGE: 1440 FNL x 1040 FEL SENE CONTRACTOR: HDI (ONOFRE)

DATE STARTED: 12-21-05
 DATE FINISHED: 12-21-05

ENVIRONMENTAL SPECIALIST: JCBEXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: 0DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS ISLAND USE: RANGE - BLM LEASE: SF-078397A FORMATION: FCFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 147 FT. SSE FROM WELLHEAD.DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >100 NEAREST SURFACE WATER: >100NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM**SOIL AND EXCAVATION DESCRIPTION:**

OVM CALIB. READ. = 53.2 ppm
 OVM CALIB. GAS = 100 ppm RF = 0.52
 TIME: 1030 (am)pm DATE: 12/21

SOIL TYPE: SAND / SILTY SAND / SILT (SILTY CLAY) / CLAY / GRAVEL / OTHER BEDROCK claystone @ 7'SOIL COLOR: COHESION (ALL OTHERS): NON COHESIVE (SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE)CONSISTENCY (NON COHESIVE SOILS): LOOSE (FIRM) DENSE / VERY DENSEPLASTICITY (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 - HC ODOR DETECTED: YES (NO) EXPLANATION - SAMPLE TYPE: GRAB (COMPOSITE) # OF PTS. 3

ADDITIONAL COMMENTS:

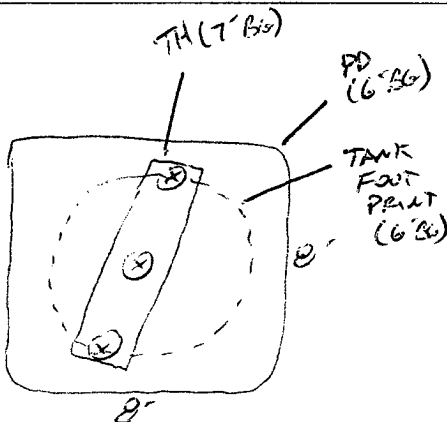
BEDROCK BOTTOM

8' x 8' x 6' Deep Pit w/ 30 BBL steel tank.
Use Backhoe to Pull Tank & Sample. No evidence of contamination.

CLOSED**FIELD 418.1 CALCULATIONS****SCALE**

0
1
FT

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

PIT PERIMETER**PIT PROFILE****OVM READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
3-point composite @ 7'	0.00

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
3-point	TOT	10/15
	BTEX	
	CL-	
	PHOSPH	

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: 12/21/05

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

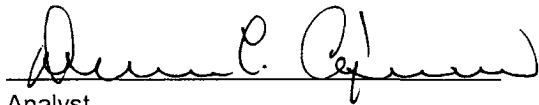
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	3-Point Composite @ 7'	Date Reported:	12-27-05
Laboratory Number:	35572	Date Sampled:	12-21-05
Chain of Custody No:	14603	Date Received:	12-22-05
Sample Matrix:	Soil	Date Extracted:	12-23-05
Preservative:	Cool	Date Analyzed:	12-27-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

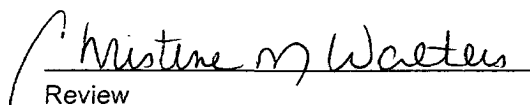
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.3	0.2
Diesel Range (C10 - C28)	127	0.1
Total Petroleum Hydrocarbons	127	0.2

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 7 Sep 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:	3-Point Composite @ 7'	Date Reported:	12-27-05
Laboratory Number:	35572	Date Sampled:	12-21-05
Chain of Custody:	14603	Date Received:	12-22-05
Sample Matrix:	Soil	Date Analyzed:	12-27-05
Preservative:	Cool	Date Extracted:	12-23-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	19.4	1.7
Ethylbenzene	68.7	1.5
p,m-Xylene	123	2.2
o-Xylene	63.6	1.0
Total BTEX	275	


ND - Parameter not detected at the stated detection limit.

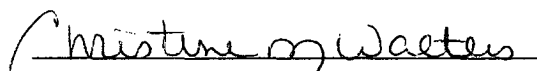
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Kernaghan B 7 Sep Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	3-Point Composite @ 7'	Date Reported:	12-27-05
Lab ID#:	35572	Date Sampled:	12-21-05
Sample Matrix:	Soil	Date Received:	12-22-05
Preservative:	Cool	Date Analyzed:	12-27-05
Condition:	Cool and Intact	Chain of Custody:	14603

Parameter	Concentration (mg/Kg)
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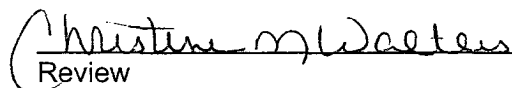
Total Chloride

19.9

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Kernaghan B 7 Sep Pit.


Analyst


Review