

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

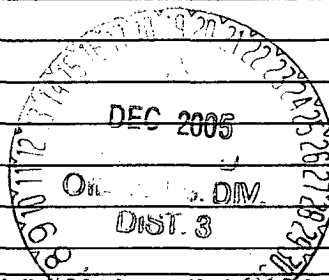
Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: <u>BP America Production Company</u> Telephone: <u>(505)326-9200</u> e-mail address: _____		
Address: <u>200 Energy Ct. Farmington, NM 87401</u>		
Facility or well name: <u>Kernaghan LS #1</u> API #: <u>3004510042</u> U/L or Qtr/Qtr <u>N</u> Sec <u>33</u> T <u>31N</u> R <u>8W</u>		
County: <u>San Juan</u> Latitude _____ Longitude _____ NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input 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 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	(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



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: JOEY OIL & GAS INSPECTOR, DIST. 3


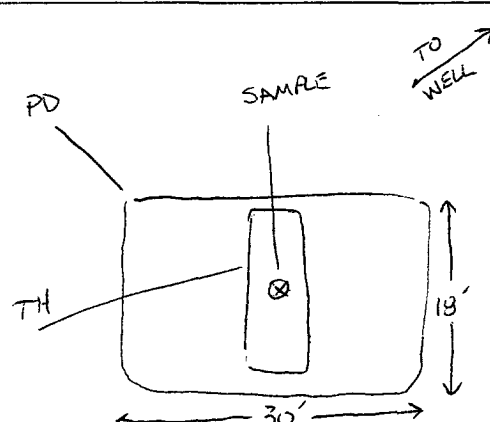
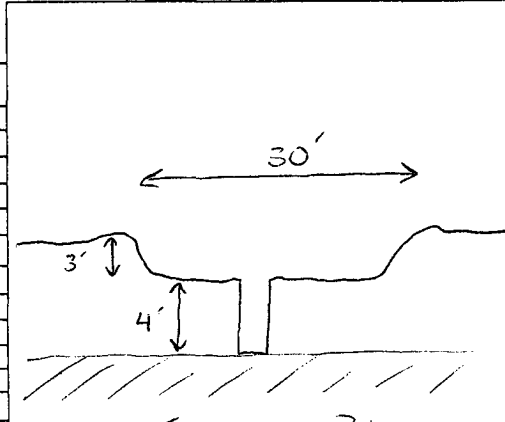
Printed Name/Title _____

Signature Bob Bell

Date: _____

DEC 19 2005

3004510042

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80958</u> C.O.C. NO: <u>9911</u>																																								
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																								
LOCATION: NAME: <u>KERNAGHAN 45 WELL # 8-1</u> TYPE: <u>DEHT</u>		DATE STARTED: <u>4-25-02</u> DATE FINISHED: <u>4-25-02</u>																																								
QUAD/UNIT: <u>N SEC: 33 TWP: 31N RNG: 8W PM: NM CNTY: SS ST: NM</u>		ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																								
QTR/FOOTAGE: <u>990'S/1650'W 3E1SW</u> CONTRACTOR: <u>FLINT</u>																																										
EXCAVATION APPROX. <u>18</u> FT. x <u>30</u> FT. x <u>30</u> FT. DEEP. CUBIC YARDAGE: <u>0</u>																																										
DISPOSAL FACILITY: <u>NA</u> REMEDIATION METHOD: <u>CLOSE AS IS</u>																																										
LAND USE: <u>RANGE - BLM</u> LEASE: <u>078387 A</u> FORMATION: <u>MV</u>																																										
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>84'</u> FT. <u>SSI°W</u> FROM WELLHEAD.																																										
DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>100</u> NEAREST SURFACE WATER: <u>>1000</u>																																										
NMCD RANKING SCORE: <u>0</u> NMCD TPH CLOSURE STD: <u>5000</u> PPM																																										
SOIL AND EXCAVATION																																										
DESCRIPTION: <u>Pit Bottom to 4' Below Bottom</u>																																										
SOIL TYPE: SAND / <u>SILTY SAND</u> / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>S.S. Bedrock @ 7'</u>																																										
SOIL COLOR: <u>GRAY to Black</u>																																										
COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE																																										
CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / <u>VERY DENSE</u>																																										
PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC																																										
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / <u>HARD</u>																																										
MOISTURE: DRY / <u>SLIGHTLY MOIST</u> / <u>MOIST</u> / WET / SATURATED / SUPER SATURATED																																										
DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - <u>CLOSED</u>																																										
HC DDOR DETECTED: <u>YES</u> / NO EXPLANATION -																																										
SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS.																																										
ADDITIONAL COMMENTS: <u>USE BACKHOE TO DIG Test hole & Sample. Hit V. Firm S.S. Bedrock @ 7' BGS</u>																																										
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>SCALE</p>  <p>0 FT</p> </div> <div style="width: 65%;"> <p>FIELD 418.1 CALCULATIONS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMPLE I.D.</th> <th>LAB No:</th> <th>WEIGHT (g)</th> <th>mL. FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. ppm</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> </div> </div>			SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																																
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<p>P.D. = PIT DEPRESSION; B.G. = BELOW GRADE T.H. = TEST HOLE; ~ = APPROX.; B = BELOW</p>																																										
TRAVEL NOTES: CALLOUT: <u>4-24-02 1815</u> ONSITE: <u>4-25-02 0900</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:	C @ 7'	Date Reported:	04-29-02
Laboratory Number:	22611	Date Sampled:	04-25-02
Chain of Custody No:	9911	Date Received:	04-26-02
Sample Matrix:	Soil	Date Extracted:	04-26-02
Preservative:	Cool	Date Analyzed:	04-29-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	353	0.2
Diesel Range (C10 - C28)	35.7	0.1
Total Petroleum Hydrocarbons	389	0.2

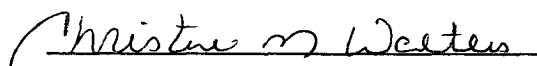
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: ^{mv}
Kernaghan ~~B~~ #1 - Dehy.

LS


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	C @ 7'	Date Reported:	04-29-02
Laboratory Number:	22611	Date Sampled:	04-25-02
Chain of Custody:	9911	Date Received:	04-26-02
Sample Matrix:	Soil	Date Analyzed:	04-29-02
Preservative:	Cool	Date Extracted:	04-26-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	47.5	1.8
Toluene	425	1.7
Ethylbenzene	321	1.5
p,m-Xylene	1,300	2.2
o-Xylene	608	1.0
Total BTEX	2,700	

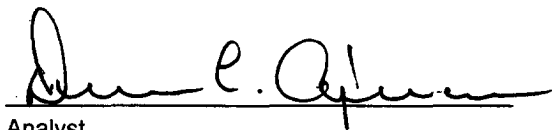
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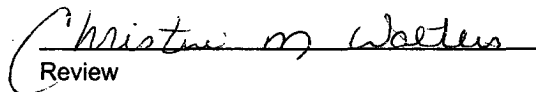
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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: ^{LS}
Kernaghan ~~B~~ #1 - Dehy.
_{9/5}


Analyst


Review