

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>HARDIE LS #8</u> API #: <u>30-045- 21085</u> U/L or Qtr/Qtr <u>O</u> Sec <u>23</u> T <u>29N</u> R <u>8W</u>		
County: <u>SAN JUAN</u> Latitude <u>36.70709</u> Longitude <u>107.64285</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"/>		
<b>Pit</b> 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		
<b>Below-grade tank</b> 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. _____		
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) <b>0</b>
	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) <b>0</b>
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) <b>0</b>
	1000 feet or more	( 0 points)
<b>Ranking Score (Total Points)</b>		<b>0</b>

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 27 FT. N70E FROM WELL HEAD.</u>
<u>PIT EXCAVATION: WIDTH 15 ft., LENGTH 15 ft., DEPTH 8 ft.</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"/> EXCAVATE
Cubic yards: <u>50</u>
<u>BEDROCK BOTTOM, STEEL TANK TO BE INSTALLED</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: 10/07/05

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. 4

Printed Name/Title: \_\_\_\_\_

Signature: [Signature]

Date: FEB 28 2006

30-045-21035

36.70709 x 107.64285

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	LOCATION NO: <u>B1667</u> COCR NO: <u>14902</u>																																
<b>FIELD REPORT: PIT CLOSURE VERIFICATION</b>		PAGE No: <u>1</u> of <u>1</u>																																
LOCATION: NAME: <u>HARDIE LS</u> WELL#: <u>8</u> TYPE: <u>SEP</u> QUAD/UNIT: <u>0</u> SEC: <u>23</u> TWP: <u>29N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1170 FSL x 1740 FEL SWLSE</u> CONTRACTOR: <u>PXS (MAMU)</u>		DATE STARTED: <u>10-5-05</u> DATE FINISHED: <u>10-5-05</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																
EXCAVATION APPROX. <u>15</u> FT. x <u>15</u> FT. x <u>8</u> FT. DEEP. CUBIC YARDAGE: <u>50±</u>																																		
DISPOSAL FACILITY: <u>BP CROOK MESA L.F.</u> REMEDIATION METHOD: <u>EXCAVATE</u>																																		
LAND USE: <u>RANGE-BLM</u> LEASE: <u>SF-078416A</u> FORMATION: <u>PC</u>																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>27</u> FT. <u>N70E</u> FROM WELLHEAD.																																		
DEPTH TO GROUNDWATER: <u>&gt;100</u> NEAREST WATER SOURCE: <u>&gt;1000</u> NEAREST SURFACE WATER: <u>&gt;1000</u>																																		
NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM																																		
SOIL AND EXCAVATION DESCRIPTION:		OVM CALIB. READ. = <u>53.1</u> ppm OVM CALIB. GAS = <u>107</u> ppm RF = 0.52 TIME: <u>1100</u> am/pm DATE: <u>10-5-05</u>																																
SOIL TYPE: SAND ( <u>SILTY SAND</u> ) SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK CLASTIC @ 8'</u>																																		
SOIL COLOR: <u>Dark Brown</u>																																		
COHESION (ALL OTHERS): NON COHESIVE ( <u>SLIGHTLY COHESIVE</u> ) / 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> ) / MOIST / WET / SATURATED / SUPER SATURATED																																		
DISCOLORATION/STAINING OBSERVED: ( <u>YES</u> ) / NO EXPLANATION - <u>GLASS STRUCK TO BEDROCK @ 8'</u>																																		
HC ODOR DETECTED: ( <u>YES</u> ) / NO EXPLANATION - <u>Moderate</u>																																		
SAMPLE TYPE: ( <u>GRAB</u> ) / COMPOSITE - # OF PTS. <u>1</u>																																		
ADDITIONAL COMMENTS: <u>12' x 12' x 3' Deep earthen Pit. Remove impacted soils to Bedrock claystone @ 8' B.G. w/ BAIR-HOE. Will set 95 B3L steel tank here.</u>																																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>SCALE</p> <p>0  FT</p> <p>N</p> </div> <div style="width: 40%; text-align: center;"> <p>FIELD 418.1 CALCULATIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMP. ID</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> </tbody> </table> </div> <div style="width: 30%; text-align: center;"> <p>PIT PROFILE</p> </div> </div>			SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																								
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P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM																																		
TRAVEL NOTES: CALLOUT: _____ ONSITE: <u>10/5/05</u>																																		

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

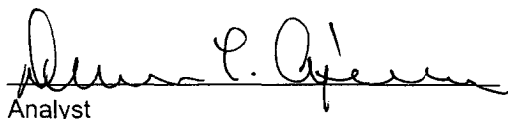
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 8'	Date Reported:	10-07-05
Laboratory Number:	34590	Date Sampled:	10-05-05
Chain of Custody No:	14902	Date Received:	10-05-05
Sample Matrix:	Soil	Date Extracted:	10-06-05
Preservative:	Cool	Date Analyzed:	10-07-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

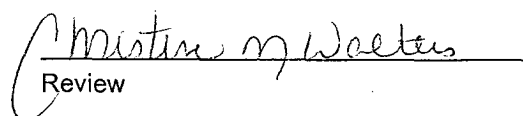
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	451	0.2
Diesel Range (C10 - C28)	29.0	0.1
Total Petroleum Hydrocarbons	480	0.2

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: **Hardie LS 8 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:	1 @ 8'	Date Reported:	10-07-05
Laboratory Number:	34590	Date Sampled:	10-05-05
Chain of Custody:	14902	Date Received:	10-05-05
Sample Matrix:	Soil	Date Analyzed:	10-07-05
Preservative:	Cool	Date Extracted:	10-06-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	269	1.8
Toluene	2,520	1.7
Ethylbenzene	1,580	1.5
p,m-Xylene	7,590	2.2
o-Xylene	845	1.0
Total BTEX	12,800	

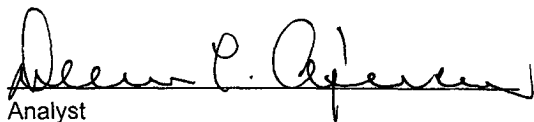
ND - Parameter not detected at the stated detection limit.

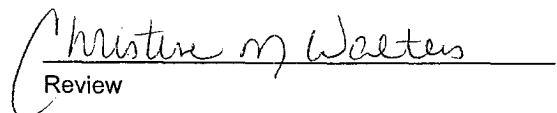
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Hardie LS 8 Sep Pit.

  
Analyst

  
Review