

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

State of New Mexico  
Energy Minerals and Natural Resources

Form C-144  
June 1, 2004

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

For drilling and production facilities, submit to  
appropriate NMOC 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: HEATON LS #25 API #: 30-045- 20669 U/L or Qtr/Qtr K Sec 30 T 31N R 11W  
County: SAN JUAN Latitude 36.86704 Longitude 108.03454 NAD. 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

**RCVD APR5'07**

<b>Pit</b>	<b>Below-grade tank</b>	
Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> <u>BLOW</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	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 _____	<b>OIL CONS. DIV. DIST. 3</b>
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>10</b>
	1000 feet or more	( 0 points)
<b>Ranking Score (Total Points)</b>		<b>10</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 PIT LOCATED APPROXIMATELY 156 FT. N32E FROM WELL HEAD.

**PIT EXCAVATION: WIDTH 21 ft., LENGTH 18 ft., DEPTH 14 ft.**

**PIT REMEDIATION: CLOSE AS IS: ☐ LANDFARM: ☐ COMPOST: ☐ STOCKPILE: ☐ OTHER ☒ EXCAVATE**

Cubic yards: 190

**BEDROCK BOTTOM**

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 NMOC guidelines ☒, a general permit ☐, or an alternative OCD-approved plan ☒.

Date: 01/11/06

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

Signature \_\_\_\_\_

Your certification and NMOC 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.


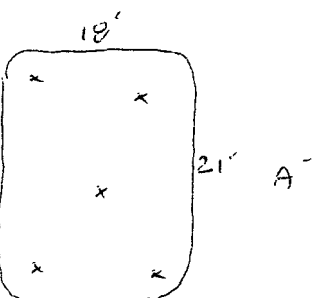
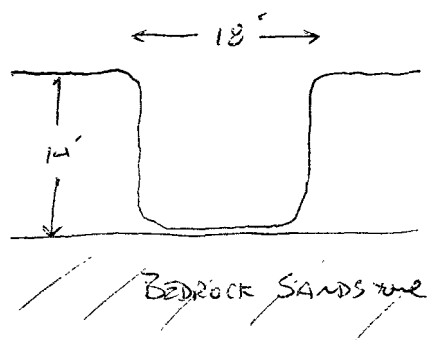
**Deputy Oil & Gas Inspector,  
District #3**

Approval

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

Signature \_\_\_\_\_

Date: AUG 06 2007

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>81744</u> COCR NO: <u>15351</u>																																																																																								
<b>FIELD REPORT: PIT CLOSURE VERIFICATION</b>		PAGE No: <u>1</u> of <u>1</u>																																																																																								
LOCATION: NAME: <u>HEATON LS</u> WELL #: <u>25</u> TYPE: <u>BLOW</u> QUAD/UNIT: <u>K SEC: 30 TWP: 31N RING: 11W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>1550 FSL x 1830 FWL NE(SW)</u> CONTRACTOR: <u>PXS (ROBERT)</u>		DATE STARTED: <u>1-9-06</u> DATE FINISHED: <u>1-9-06</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																																																																								
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DISPOSAL FACILITY: <u>BP CROUCH MESA L.F.</u> REMEDIATION METHOD: <u>EXCAVATE</u>																																																																																										
LAND USE: <u>RANGE-BLM</u> LEASE: <u>NM-074045</u> FORMATION: <u>PC</u>																																																																																										
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NMOCOD RANKING SCORE: <u>10</u> NMOCOD TPH CLOSURE STD: <u>1000</u> PPM																																																																																										
SOIL AND EXCAVATION DESCRIPTION:																																																																																										
SOIL TYPE: SAND / <u>SILTY SAND</u> / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>Bedrock Sandstone @ 14'</u> SOIL COLOR: <u>Light tan</u> COHESION (ALL OTHERS): NON COHESIVE / <u>SLIGHTLY COHESIVE</u> / 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 / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION: <u>In Removal soils - Gray</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION: <u>In Removal soils - lite/strong</u> SAMPLE TYPE GRAB / <u>COMPOSITE</u> # OF PTS <u>5</u> ADDITIONAL COMMENTS: <u>9'x9'x2' Deep Earylon Pit. Use Trackhoe to</u> <u>Remove impacted soils to Bedrock Sandstone @ 14'</u> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <u>Bedrock Bottom</u> </div>		OVM CALIB READ. = <u>53.0</u> ppm OVM CALIB. GAS = <u>10.0</u> ppm RF = 0.52 TIME: <u>100.0</u> (am) pm DATE <u>1-9</u>																																																																																								
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<div style="display: flex; justify-content: space-between;"> <div>             TO well              PD = PIT DEPRESSION, B.G. = BELOW GRADE; B = BELOW              TH = TEST HOLE, ~ = APPROX., T.B. = TANK BOTTOM           </div> <div> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">OVM READING</th> </tr> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE (ppm)</th> <th> </th> </tr> </thead> <tbody> <tr><td>1 @</td><td> </td><td> </td></tr> <tr><td>2 @</td><td> </td><td> </td></tr> <tr><td>3 @</td><td> </td><td> </td></tr> <tr><td>4 @</td><td> </td><td> </td></tr> <tr><td>5 @</td><td> </td><td> </td></tr> <tr><td>5-Point</td><td>167</td><td> </td></tr> <tr><td>Composite</td><td> </td><td> </td></tr> <tr><td>R14</td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">LAB SAMPLES</th> </tr> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td>5-Point</td><td>TPH</td><td>1240</td></tr> <tr><td> </td><td>BTEX</td><td> </td></tr> <tr><td> </td><td>CL-</td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> </div> </div>			OVM READING			SAMPLE ID	FIELD HEADSPACE (ppm)		1 @			2 @			3 @			4 @			5 @			5-Point	167		Composite			R14												LAB SAMPLES			SAMPLE ID	ANALYSIS	TIME	5-Point	TPH	1240		BTEX			CL-																																			
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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

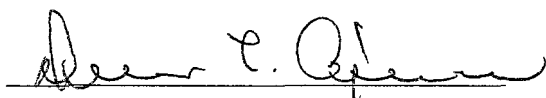
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5-Point Composite @ 14'	Date Reported:	01-11-06
Laboratory Number:	35696	Date Sampled:	01-09-06
Chain of Custody No:	15351	Date Received:	01-10-06
Sample Matrix:	Soil	Date Extracted:	01-10-06
Preservative:	Cool	Date Analyzed:	01-11-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

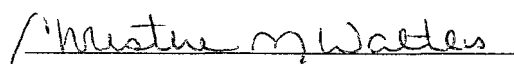
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	7.3	0.2
Diesel Range (C10 - C28)	0.3	0.1
Total Petroleum Hydrocarbons	7.6	0.2

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: **Heaton LS 25 Blow 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:	5-Point Composite @ 14'	Date Reported:	01-11-06
Laboratory Number:	35696	Date Sampled:	01-09-06
Chain of Custody:	15351	Date Received:	01-10-06
Sample Matrix:	Soil	Date Analyzed:	01-11-06
Preservative:	Cool	Date Extracted:	01-10-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	17.2	1.7
Ethylbenzene	99.0	1.5
p,m-Xylene	891	2.2
o-Xylene	87.8	1.0
Total BTEX	1,100	

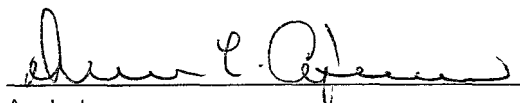
ND - Parameter not detected at the stated detection limit.

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: Heaton LS 25 Blow Pit.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5-Point Composite @ 14'	Date Reported:	01-11-06
Lab ID#:	35696	Date Sampled:	01-09-06
Sample Matrix:	Soil	Date Received:	01-10-06
Preservative:	Cool	Date Analyzed:	01-11-06
Condition:	Cool and Intact	Chain of Custody:	15351

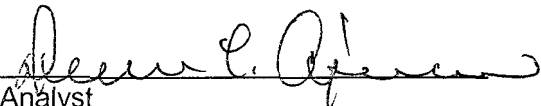
Parameter	Concentration (mg/Kg)
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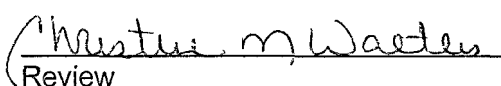
Total Chloride

18.2

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

Comments: Heaton LS 25 Blow Pit.

  
Analyst

  
Review