

District I

P.O. Box 1900, Belden, NM

District II

P.O. Box 1900, Belden, NM

District III

1000 Rio Grande Blvd., Alamogordo, NM

**State of New Mexico**  
**Energy, Minerals and Natural Resources Department**

**OIL CONSERVATION DIVISION**

P.O. BOX 2088

SANTA FE, NEW MEXICO 87504-2088

Outside Risk  
bedrock B1216

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

**PIT REMEDIATION AND CLOSURE REPORT**

Operator: BP AMERICA PRODUCTION CO. Telephone: (505) 326-9200

Address: 200 ENERGY COURT, FARMINGTON, NM 87401

Facility or Well Name: GCU # 107E

Location: Unit or Qtr/Qtr Sec n Sec 30 T 21N R 12W County San Juan

Pit Type: Separator    Dehydrator    Other Blow

Land Type: BLM X, State   , Fee   , Other   

Pit Location:  
(Attach diagram)

Pit dimensions: length NA, width NA, depth NA

Reference: wellhead X, other   

Footage from reference: 245'

Direction from reference: 77 Degrees    East    North     
   West    South   

**Depth To Groundwater:**

(Vertical distance from  
contaminants to seasonal  
high water elevation of  
groundwater)

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>0</u>

**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)	<u>0</u>

**Distance To Surface Water:**

(Horizontal distance to perennial  
lakes, ponds, rivers, streams, creeks,  
irrigation canals and ditches)

Less than 100 feet	(20 points)	
100 feet to 1000 feet	(10 points)	
Greater than 1000 feet	(0 points)	<u>0</u>

**RANKING SCORE (TOTAL POINTS):** 0

B1216  
Blow Pit

Date Remediation Started: \_\_\_\_\_

Date Completed: 5-16-03

Remediation Method: Excavation X

Approx. cubic yards NA

(Check all appropriate sections)

Landfarmed \_\_\_\_\_

In situ Bioremediation \_\_\_\_\_

Other CLOSE AS IS.

Remediation Location:

Onsite X Offsite \_\_\_\_\_

(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation. Test hole advanced. No remediation necessary.

No TPH analysis conducted, Bedrock Bottom

Groundwater Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit Closure Sampling:

(If multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 2.5' (Test hole bottom)

Sample date 5-16-03 Sample time 0903

Sample Results

Soil: Benzene (ppm) \_\_\_\_\_ Water: Benzene (ppb) \_\_\_\_\_

Total BTEX (ppm) \_\_\_\_\_ Toluene (ppb) \_\_\_\_\_

Field Headspace (ppm) 0.0 Ethylbenzene (ppb) \_\_\_\_\_

TPH (ppm) \_\_\_\_\_ Total Xylenes (ppb) \_\_\_\_\_

Groundwater Sample: Yes \_\_\_\_\_ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 5-16-03 PRINTED NAME Jeffrey C. Blagg

SIGNATURE Jeffrey C. Blagg AND TITLE President P.E. # 11607

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>81216</u> COCR NO: <u>      </u>																																			
<b>FIELD REPORT: PIT CLOSURE VERIFICATION</b>		PAGE No: <u>1</u> of <u>1</u>																																			
LOCATION: NAME: <u>GCU</u> WELL #: <u>187E</u> TYPE: <u>BLOW</u> QUAD/UNIT: <u>N</u> SEC: <u>30</u> TWP: <u>29N</u> RNG: <u>12W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>805'S/1600'W</u> SE(SW) CONTRACTOR: <u>BEI (SELF)</u>		DATE STARTED: <u>5/16/03</u> DATE FINISHED: <u>      </u> ENVIRONMENTAL SPECIALIST: <u>NV</u>																																			
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 - SURF. LSE. - FEE</u> LEASE: <u>FEE</u> FORMATION: <u>OK</u>																																					
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>245</u> FT. <u>577E</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>53.6</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>8:54</u> @/pm DATE: <u>5/15/03</u>																																			
SOIL TYPE: <u>(SAND)</u> SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SANDSTONE)</u> SOIL COLOR: <u>GRAYISH ORANGE TO MOD. YEL. BROWN</u> <u>BEDROCK - GRAYISH ORANGE</u> COHESION (ALL OTHERS): <u>(NON COHESIVE)</u> SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE <u>(FIRM)</u> DENSE / <u>(VERY DENSE)</u> - <u>BEDROCK?</u> PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD MOISTURE: <u>(DRY)</u> / <u>(SLIGHTLY MOIST)</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: YES <u>(NO)</u> EXPLANATION: <u>      </u> HC ODOR DETECTED: YES <u>(NO)</u> EXPLANATION: <u>      </u> SAMPLE TYPE: <u>(GRAB)</u> / COMPOSITE - # OF PTS. <u>      </u> ADDITIONAL COMMENTS: <u>PIT HAD BEEN BACKFILLED. ADVANCED TEST HOLE W/ HAND AUGER. + ENCOUNTERED VERY HARD LAYER @ 2.5 FT. BELOW GRADE (ASSUMED BEDROCK). ORIGINAL PIT DIMENSIONS ~ 45' x 45' x 5' ACCORDING TO PIT INVENTORY INFO. BEDROCK OUTCROP SURROUNDING PIT AREA.</u> <div style="border: 1px solid black; padding: 2px; display: inline-block;">BEDROCK BOTTOM</div>																																					
FIELD 418.1 CALCULATIONS																																					
SCALE	<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>		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: <u>N/A</u> ONSITE: <u>5/16/03 - MORN.</u>																																					