

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Box 1980, Hobbs, NM

District III

1000 Rio Bravo Rd., Aztec, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. BOX 2088

SANTA FE, NEW MEXICO 87504-2088

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

30-045-25722

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

Address: 300 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: GCU # 134E

Location: Unit or Qtr/Qtr Sec I Sec 17 T 24N 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: 285'

Direction from reference: 65 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

Blow Pit B 1020

Date Remediation Started: _____ Date Completed: 7-23-02

Remediation Method: Excavation X Approx. cubic yards NA
(Check all appropriate sections) Landfarmed _____ Insitu 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.Bedrock BottomGroundwater Encountered: No X Yes _____ Depth _____

Blow Pit Closure Sampling:

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

Sample location see Attached DocumentsSample depth 13' (Test hole bottom)Sample date 7-19-02 Sample time 0952

Sample Results

Soil: Benzene	(ppm) <u>0.023</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>6.170</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>546</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>407</u>	Total Xylenes	(ppb) _____

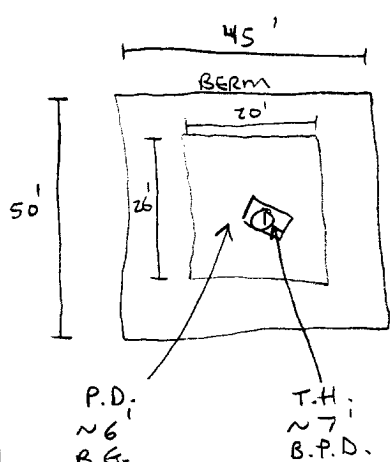
Groundwater Sample: Yes _____ No X (If yes, attach sample results)

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

DATE 7-23-02 PRINTED NAME Jeffrey C. Blagg

SIGNATURE

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

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>81020</u> C.O.C. NO: <u>9095</u>																																							
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																							
LOCATION: NAME: <u>GCM</u> WELL #: <u>134E</u> TYPE: <u>BLOW</u> QUAD/UNIT: <u>I SEC: 17 TWP: 29N RNG: 12W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>1570'S/840'E</u> WELSE CONTRACTOR: <u>L & L (SCOTT)</u>		DATE STARTED: <u>7/19/02</u> DATE FINISHED: _____ 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-BUM</u> LEASE: <u>NM078391C</u> FORMATION: <u>OK</u>																																									
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>285</u> FT. <u>565E</u> FROM WELLHEAD DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM																																									
SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / <u>GRAVEL</u> / OTHER <u>BEDROCK (SANDSTONE)</u> SOIL COLOR: <u>LT. GRAY TO BLACK</u> <u>BEDROCK - LT. GRAY</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / <u>FIRM</u> / DENSE / VERY DENSE PLASTICITY (CLAYS): <u>NON PLASTIC</u> / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): <u>SOFT</u> / FIRM / STIFF / VERY STIFF / HARD <u>CLOSED</u> MOISTURE: DRY / <u>SLIGHTLY MOIST</u> / <u>MOIST</u> / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - <u>ENTIRE TEST HOLE & BEDROCK SURFACE</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>TEST HOLE & OUM SAMPLE.</u> SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. <u>-</u> ADDITIONAL COMMENTS: <u>BEDROCK BOTTOM</u>		OVM CALIB. READ: <u>53.6</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u> TIME: <u>6:23</u> <u>PM</u> DATE: <u>7/19/02</u>																																							
FIELD 418.1 CALCULATIONS																																									
SCALE  0 FT	<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> </tbody> </table>		SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																															
SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																																		
PIT PERIMETER	OVM RESULTS	PIT PROFILE																																							
 P.D. ~6' B.G. T.H. ~7' B.P.D.	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @ 13'</td><td>546</td></tr> <tr><td>2 @</td><td> </td></tr> <tr><td>3 @</td><td> </td></tr> <tr><td>4 @</td><td> </td></tr> <tr><td>5 @</td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><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>① @ 13'</td> <td>TPH (80158)</td> <td>0952</td> </tr> <tr> <td>"</td> <td>BTEX (80218)</td> <td>"</td> </tr> <tr> <td colspan="3" style="text-align: center;"><u>BOTH PASSED</u></td> </tr> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 @ 13'	546	2 @		3 @		4 @		5 @														LAB SAMPLES			SAMPLE ID	ANALYSIS	TIME	① @ 13'	TPH (80158)	0952	"	BTEX (80218)	"	<u>BOTH PASSED</u>			NOT APPLICABLE
SAMPLE ID	FIELD HEADSPACE PID (ppm)																																								
1 @ 13'	546																																								
2 @																																									
3 @																																									
4 @																																									
5 @																																									
LAB SAMPLES																																									
SAMPLE ID	ANALYSIS	TIME																																							
① @ 13'	TPH (80158)	0952																																							
"	BTEX (80218)	"																																							
<u>BOTH PASSED</u>																																									
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE T.H. = TEST HOLE; ~ = APPROX.; B = BELOW																																									
TRAVEL NOTES: CALLOUT: <u>7/18/02 - AFTER.</u> ONSITE: <u>7/19/02 - MORN.</u>																																									

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

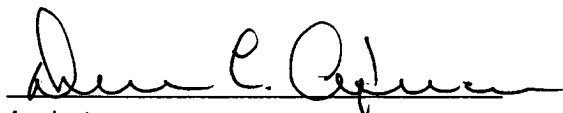
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 13'	Date Reported:	07-23-02
Laboratory Number:	23386	Date Sampled:	07-19-02
Chain of Custody No:	9095	Date Received:	07-19-02
Sample Matrix:	Soil	Date Extracted:	07-22-02
Preservative:	Cool	Date Analyzed:	07-23-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	233	0.2
Diesel Range (C10 - C28)	234	0.1
Total Petroleum Hydrocarbons	467	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: GCU #134E Blow Pit Grab Sample.


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 @ 13'	Date Reported:	07-23-02
Laboratory Number:	23386	Date Sampled:	07-19-02
Chain of Custody:	9095	Date Received:	07-19-02
Sample Matrix:	Soil	Date Analyzed:	07-23-02
Preservative:	Cool	Date Extracted:	07-22-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	23	1.8
Toluene	671	1.7
Ethylbenzene	743	1.5
p,m-Xylene	3,320	2.2
o-Xylene	1,410	1.0
Total BTEX	6,170	

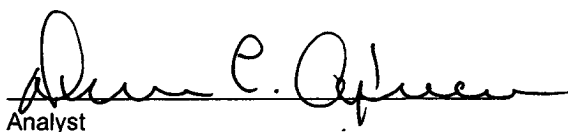
ND - Parameter not detected at the stated detection limit.

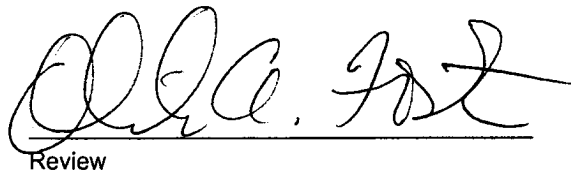
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97 %
	1,4-difluorobenzene	97 %
	Bromochlorobenzene	97 %

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: GCU #134E Blow Pit Grab Sample.


Analyst


Review