

District I

P.O. Box 1000, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM

District III

P.O. Box 1000, Lordsburg, NM

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
P.O. BOX 2088  
SANTA FE, NEW MEXICO 87504-2088

RECEIVED  
JAN 17 2000  
OIL CON. DIV.  
DIST. 3

SUBMIT COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND COPY TO  
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

30-045-24249

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

Address: 300 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: GCU #210E

Location: Unit or Qtr/Qtr Sec C Sec 31 T 22N R 12W County San Juan

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location:  
(Attach diagram)

Pit dimensions: length NA, width NA, depth NA

Reference: wellhead ☒ other ☐

Footage from reference: 155'

Direction from reference: 7 Degrees ☒ East North ☐  
West of 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

Sept 14 2002

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

Date Completed: 6-6-02

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 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 4' (Test hole bottom)

Sample date 6-5-02 Sample time 0800

Sample Results


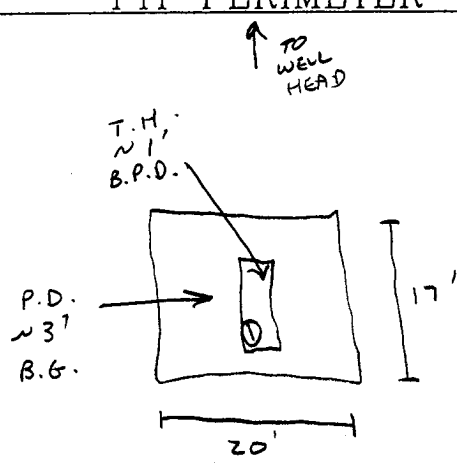
Soil: Benzene	(ppm)	<u>ND</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>0.339</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>165.9</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>2590</u>	Total Xylenes	(ppb)	_____

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 6-6-02 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>B0992</u> C.O.C. NO: <u>9072</u>																																								
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																								
LOCATION: NAME: <u>GCU</u> WELL #: <u>210E</u> TYPE: <u>SEP.</u> QUAD/UNIT: <u>C</u> SEC: <u>31</u> TWP: <u>29N</u> RNG: <u>12W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>840'N/1580'W</u> NE/NW CONTRACTOR: <u>L &amp; L (DAN)</u>		DATE STARTED: <u>6/5/02</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 - BLM</u> LEASE: <u>SF 078109</u> FORMATION: <u>DR</u>																																										
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>155</u> FT. <u>57E</u> FROM WELL HEAD DEPTH TO GROUNDWATER: <u>2100'</u> NEAREST WATER SOURCE: <u>21000'</u> NEAREST SURFACE WATER: <u>21000'</u> NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM																																										
SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SANDSTONE)</u> SOIL COLOR: <u>MOD. YELL. BROWN</u> <u>BEDROCK - DR. YELL. BROWN - LT. GRAY</u> COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / <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 <u>CLOSED</u> MOISTURE: DRY / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - <u>DR. YELL. BROWN - LT. GRAY &amp; BEDROCK SURFACE</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>WITHIN TEST HOLE &amp; OVM SAMPLE</u> SAMPLE TYPE: <u>GRAB</u> COMPOSITE - # OF PTS. <u>—</u> ADDITIONAL COMMENTS: <u>BEDROCK - HARD, SLIGHTLY FRIABLE. COLLECTED SAMPLE FROM BEDROCK SURFACE.</u> <div style="border: 1px solid black; padding: 2px; display: inline-block;">BEDROCK BOTTOM</div>		OVM CALIB. READ. <u>52.8</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = <u>0.53</u> TIME: <u>7:50</u> am/pm DATE: <u>6/5/02</u>																																								
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">           SCALE              0 FT         </div> <div style="width: 65%;">           FIELD 418.1 CALCULATIONS  <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																																
SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																																			
PIT PERIMETER <u>AN</u> 	OVM RESULTS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE P10 (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @ 4'</td><td>165.9</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> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE P10 (ppm)	1 @ 4'	165.9	2 @		3 @		4 @		5 @												PIT PROFILE <div style="text-align: center; font-size: 2em; margin-top: 50px;">NOT APPLICABLE</div>																		
SAMPLE ID	FIELD HEADSPACE P10 (ppm)																																									
1 @ 4'	165.9																																									
2 @																																										
3 @																																										
4 @																																										
5 @																																										
LAB SAMPLES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td>1 @ 4'</td><td>TPH (80158)</td><td>0800</td></tr> <tr><td>"</td><td>ATEX (80218)</td><td>"</td></tr> <tr><td colspan="3" style="text-align: center;"><u>BOTH PASSED</u></td></tr> </tbody> </table>			SAMPLE ID	ANALYSIS	TIME	1 @ 4'	TPH (80158)	0800	"	ATEX (80218)	"	<u>BOTH PASSED</u>																														
SAMPLE ID	ANALYSIS	TIME																																								
1 @ 4'	TPH (80158)	0800																																								
"	ATEX (80218)	"																																								
<u>BOTH PASSED</u>																																										
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE T.H. = TEST HOLE; ~ = APPROX.; B = BELOW TRAVEL NOTES: CALLOUT: <u>6/4/02 - AFTER.</u> ONSITE: <u>6/5/02 - MORN.</u>																																										

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

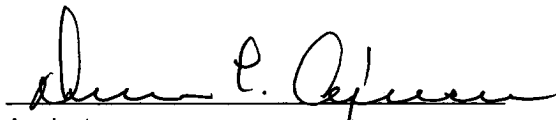
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 4'	Date Reported:	06-06-02
Laboratory Number:	22870	Date Sampled:	06-05-02
Chain of Custody No:	9072	Date Received:	06-05-02
Sample Matrix:	Soil	Date Extracted:	06-06-02
Preservative:	Cool	Date Analyzed:	06-06-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

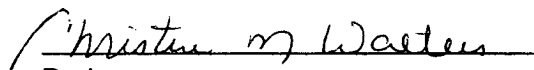
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	83.3	0.2
Diesel Range (C10 - C28)	2,510	0.1
Total Petroleum Hydrocarbons	2,590	0.2

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 #210E Separator 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 @ 4'	Date Reported:	06-06-02
Laboratory Number:	22870	Date Sampled:	06-05-02
Chain of Custody:	9072	Date Received:	06-05-02
Sample Matrix:	Soil	Date Analyzed:	06-06-02
Preservative:	Cool	Date Extracted:	06-06-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	67.4	1.7
Ethylbenzene	37.5	1.5
p,m-Xylene	150	2.2
o-Xylene	83.8	1.0
Total BTEX	339	

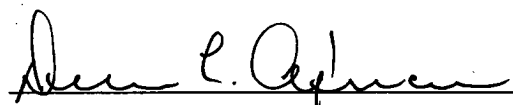
ND - Parameter not detected at the stated detection limit.

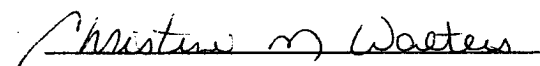
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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 #210E Separator Pit Grab Sample.

  
Analyst

  
Review