

District I

P.O. Box 1900, Hobbs, NM

District II

P.O. Box 2000, Artesia, NM

District III

1000 Rio Bravo Rd., Alamosa, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

OK B1185

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

30-045-11570

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

Address: 200 ENERGY COURT, FARMINGTON, NM 87401

Facility or Well Name: GCU #193

Location: Unit or Qtr/Qtr Sec E Sec 30 T 20N R 12W County San Juan

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other NAVAJO

Pit Location:
 (Attach diagram)

Pit dimensions: length NA, width NA, depth NA

Reference: wellhead ☒ other ☐

Footage from reference: 135'

Direction from reference: 57 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

Sept Pit B1185

Date Remediation Started: _____

Date Completed: 4-2-03

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 5' (Test hole bottom)

Sample date 4-1-03 Sample time 0840

Sample Results

Soil: Benzene	(ppm) <u>0.0560</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>2.240</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>254</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>1060</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 4-2-03 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>81185</u> COCR NO: <u>10769</u>																																								
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																								
LOCATION: NAME: <u>GCU</u> WELL #: <u>193</u> TYPE: <u>SEP</u> QUAD/UNIT: <u>E</u> SEC: <u>30</u> TWP: <u>28N</u> RNG: <u>12W</u> PM: <u>NM</u> CNTY: <u>SS</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1525'N</u> <u>910'W</u> SW/4W CONTRACTOR: <u>SIERRA</u>		DATE STARTED: <u>4-1-03</u> DATE FINISHED: <u>4-1-03</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																								
EXCAVATION APPROX. <u>18</u> FT. x <u>18</u> FT. x <u>3</u> FT. DEEP. CUBIC YARDAGE: <u>0</u>																																										
DISPOSAL FACILITY: <u>NA</u> REMEDIATION METHOD: <u>CLOSE AS IS</u>																																										
LAND USE: <u>RANGE - BUM</u> LEASE: <u>NAVAJO</u> FORMATION: <u>DK</u>																																										
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>135</u> FT. <u>SS7°W</u> FROM WELLHEAD.																																										
DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u>																																										
NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM																																										
SOIL AND EXCAVATION DESCRIPTION:																																										
SOIL TYPE: SAND / <u>SILTY SAND</u> / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK SHALESTONE @ 5' BG</u> SOIL COLOR: <u>GRAY</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>GRAY</u> HC ODOR DETECTED: <u>YES</u> NO EXPLANATION - <u>STRONG</u> SAMPLE TYPE: <u>GRAB</u> COMPOSITE - # OF PTS. <u>1</u> ADDITIONAL COMMENTS: <u>EARTHEN PIT. @ DIG TEST TRENCH W/ BACKHOE. HIT V. Dense</u> <u>BEDROCK BOTTOM</u> <u>Shalestone BEDROCK @ 5' BG.</u>																																										
SCALE 0 FT 1 FT FIELD 418.1 CALCULATIONS <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> <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>4-1-03 0615</u> ONSITE: <u>4-1-03 0830</u>																																										

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP
Sample ID: SEP 1 @ 5'
Laboratory Number: 25263
Chain of Custody No: 10769
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 94034-010
Date Reported: 04-02-03
Date Sampled: 04-01-03
Date Received: 04-01-03
Date Extracted: 04-02-03
Date Analyzed: 04-02-03
Analysis Requested: 8015 TPH

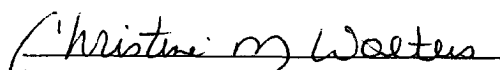
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	656	0.2
Diesel Range (C10 - C28)	401	0.1
Total Petroleum Hydrocarbons	1,060	0.2

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 193.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	SEP 1 @ 5'	Date Reported:	04-02-03
Laboratory Number:	25263	Date Sampled:	04-01-03
Chain of Custody:	10769	Date Received:	04-01-03
Sample Matrix:	Soil	Date Analyzed:	04-02-03
Preservative:	Cool	Date Extracted:	04-02-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	56.0	1.8
Toluene	151	1.7
Ethylbenzene	212	1.5
p,m-Xylene	1,270	2.2
o-Xylene	549	1.0
Total BTEX	2,240	

ND - Parameter not detected at the stated detection limit.

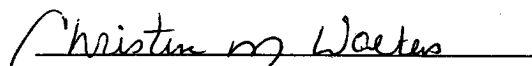
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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 193.


Analyst


Review