

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Box 1980, Artesia, 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

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DIST. 3

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DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

30-045-07988

Operator: BP AMERICA PRODUCTION CO. Telephone: (505) 326-9200
Address: 300 AMOCO COURT, FARMINGTON, NM 87401
Facility or Well Name: GCU #111
Location: Unit or Qtr/Qtr Sec K Sec 20 T 29N R 12W County San Juan
Pit Type: Separator Dehydrator Other Blow
Land Type: BLM X ^{KAG}, State , Fee ✓, Other

Pit Location: Pit dimensions: length NA, width NA, depth NA
(Attach diagram) Reference: wellhead X, other
Footage from reference: 132'
Direction from reference: 44 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)	<u>0</u>
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(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)	<u>0</u>
	No	(0 points)	

Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet	(20 points)	<u>0</u>
	100 feet to 1000 feet	(10 points)	
	Greater than 1000 feet	(0 points)	

RANKING SCORE (TOTAL POINTS): 0

Blow Pit 30970

Date Remediation Started: _____

Date Completed: 5-17-02

Remediation Method:

Excavation XApprox. 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 _____Final Pit
Closure Sampling:(if multiple samples,
attach sample results
and diagram of sample
locations and depths)Sample location see Attached DocumentsSample depth 12' (Test hole bottom)Sample date 5-15-02 Sample time 0825

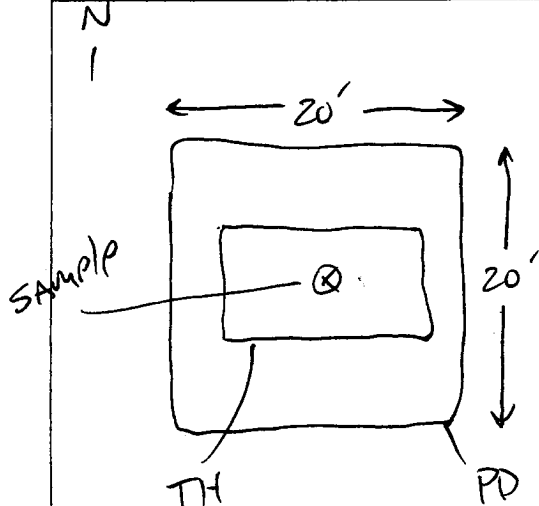
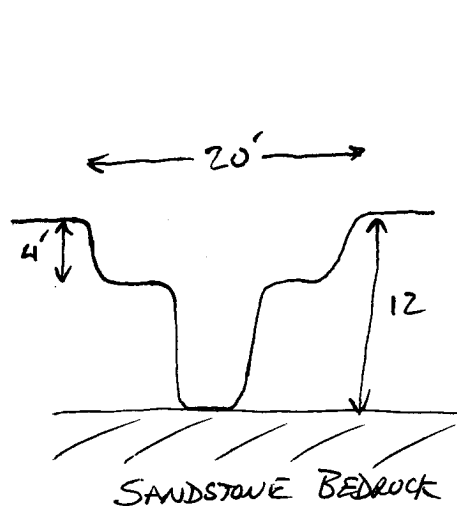
Sample Results

Soil: Benzene	(ppm)	<u>ND</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>1.970</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>431</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>1120</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 5-17-02 PRINTED NAME Jeffrey C. BlaggSIGNATURE Jeffrey C. Blagg AND TITLE President P.E. # 11607

CLIENT: <u>BP</u>	5004 501700 BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80970</u> C.O.C. NO: <u>9045</u>																																								
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																								
LOCATION: NAME: <u>GCW</u> WELL #: <u>111</u> TYPE: <u>BLOW</u> QUAD/UNIT: <u>K</u> SEC: <u>20</u> TWP: <u>29N</u> RNG: <u>12W</u> PM: <u>NM</u> CNTY: <u>SS</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1450'S/1635'W</u> ^{NE(SW)} CONTRACTOR: <u>FLINT (MIKE)</u>		DATE STARTED: <u>5-15-02</u> DATE FINISHED: <u>5-15-02</u> ENVIRONMENTAL SPECIALIST: <u>SCB</u>																																								
EXCAVATION APPROX. <u>20</u> FT. x <u>20</u> FT. x <u>4</u> FT. DEEP. CUBIC YARDAGE: <u>0</u> DISPOSAL FACILITY: <u>NA</u> REMEDIATION METHOD: <u>CLOSE AS IS</u> LAND USE: <u>RANGE</u> LEASE: <u>NM 78391C</u> ^{FEE} FORMATION: <u>DK</u>																																										
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>144 132'</u> FT. <u>S44°W</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>2100</u> NEAREST WATER SOURCE: <u>21000</u> NEAREST SURFACE WATER: <u>71000</u> NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM																																										
SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: <u>SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER</u> <u>Bedrock @ 12'</u> SOIL COLOR: <u>GRAY to Black</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> 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 to Black</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>STRUNG</u> SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. <u>1</u> ADDITIONAL COMMENTS: <u>Use Backhoe to dig test hole + Sample.</u> <u>Bedrock Bottom</u> <u>Firm Sandstone Bedrock @ 12'</u>		OVM CALIB. READ. <u>131.1</u> ppm OVM CALIB. GAS = <u>250</u> ppm RF = <u>0.52</u> TIME: <u>0950</u> am/pm DATE: <u>5-15-02</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> <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																																
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PIT PERIMETER 	OVM RESULTS <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 @ 12'</td><td>431</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> </tbody> </table> 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>C012</td><td>TPH/BTEX</td><td>H25</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 @ 12'	431	2 @		3 @		4 @		5 @		SAMPLE ID	ANALYSIS	TIME	C012	TPH/BTEX	H25	<u>BOTH PASSED</u>			PIT PROFILE 																			
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P.D. = PIT DEPRESSION; B.G. = BELOW GRADE T.H. = TEST HOLE; ~ = APPROX.; B = BELOW																																										
TRAVEL NOTES: CALLOUT: <u>5/14/02 0715</u> ONSITE: <u>5/15/02 0800</u>																																										

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

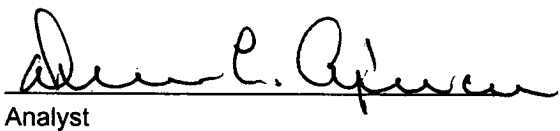
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Blow C @ 12'	Date Reported:	05-17-02
Laboratory Number:	22732	Date Sampled:	05-15-02
Chain of Custody No:	9045	Date Received:	05-15-02
Sample Matrix:	Soil	Date Extracted:	05-16-02
Preservative:	Cool	Date Analyzed:	05-17-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

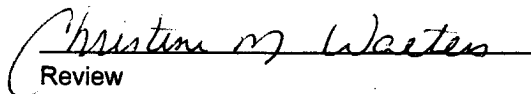
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,030	0.2
Diesel Range (C10 - C28)	94.8	0.1
Total Petroleum Hydrocarbons	1,120	0.2

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 111.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Blow C @ 12'	Date Reported:	05-17-02
Laboratory Number:	22732	Date Sampled:	05-15-02
Chain of Custody:	9045	Date Received:	05-15-02
Sample Matrix:	Soil	Date Analyzed:	05-17-02
Preservative:	Cool	Date Extracted:	05-16-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	287	1.7
Ethylbenzene	229	1.5
p,m-Xylene	961	2.2
o-Xylene	489	1.0
Total BTEX	1,970	

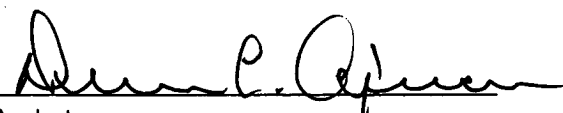
ND - Parameter not detected at the stated detection limit.

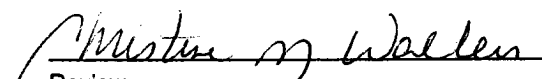
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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 111.


Analyst


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