

District I

P.O. Box 1188, Hobbs, NM

District II

P.O. Box 1188, DO, Alamogordo, NM

District III

P.O. Box 1188, El Paso, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. BOX 2088

SANTA FE, NEW MEXICO 87504-2088

B1047

SUBMIT COPY TO

APPROPRIATE

DISTRICT OFFICE

AND COPY TO

SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

30-045-07697

Operator: BP AMERICA PRODUCTION CO. Telephone: (505) 326-9200~~710-200 ENERGY~~Address: 300 AMOCO COURT, FARMINGTON, NM 87401Facility or Well Name: GCU # 86Location: Unit or Qtr/Qtr Sec H Sec 35 T 29N R 13W County San JuanPit Type: Separator Dehydrator Other BlowLand Type: BLM X, State , Fee , Other Pit Location: Pit dimensions: length NA, width NA, depth NA
(Attach diagram)Reference: wellhead X, other Footage from reference: 321'Direction from reference: 46 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 B1047

Date Remediation Started: _____

Date Completed: 8-29-02

Remediation Method:
(Check all appropriate sections)

Excavation X

Approx. cubic yards NA

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 8-23-02 Sample time 1420

Sample Results

Soil: Benzene (ppm) 0.141
Total BTEX (ppm) 4.290
Field Headspace (ppm) 430
TPH (ppm) 1923

Water: Benzene (ppb) _____
Toluene (ppb) _____
Ethylbenzene (ppb) _____
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 8-29-02

PRINTED NAME Jeffrey C. Blagg

SIGNATURE Jeffrey C. Blagg

AND TITLE President P.E. # 11607

5004301611 30.68506 100.11000

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>81047</u> C.O.C. NO: <u>10091</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
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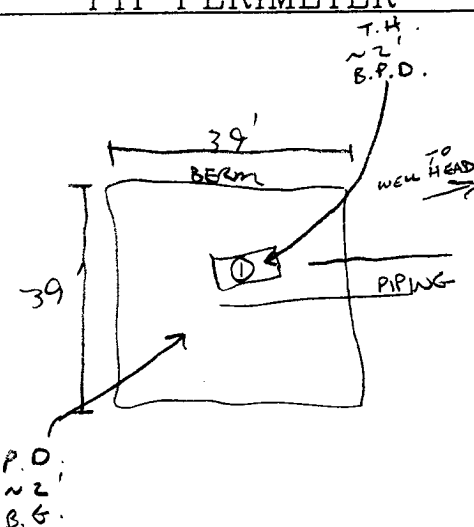
LOCATION: NAME: <u>GCM</u> WELL #: <u>86</u> TYPE: <u>BLOW</u> QUAD/UNIT: <u>H</u> SEC: <u>35</u> TWP: <u>29N</u> RNG: <u>13W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>850'N/990'E</u> SELWE CONTRACTOR: <u>L+L (SCOTT)</u>	DATE STARTED: <u>8/23/02</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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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 - SURFACE - FEE</u> LEASE: <u>NM 078391C</u> FORMATION: <u>OK</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>321</u> FT. <u>546W</u> FROM WELLHEAD	
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>BEOROCK (SANDSTONE)</u> SOIL COLOR: <u>LT. GRAY TO BLACK</u> <u>BEOROCK - 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 MOISTURE: DRY / SLIGHTLY MOIST / <u>(MOIST)</u> / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>(YES)</u> / NO EXPLANATION - <u>ENTIRE TEST HOLE</u> HC ODOR DETECTED: <u>(YES)</u> / NO EXPLANATION - <u>TEST HOLE & OVM SAMPLE</u> SAMPLE TYPE: <u>(GRAB)</u> / COMPOSITE - # OF PTS. <u>—</u> ADDITIONAL COMMENTS: <u>COLLECTED SAMPLE FROM BEOROCK SURFACE. BEOROCK - VERY HARD, SLIGHTLY FRIABLE. INSTRUCTED OPERATOR TO MIX DISCOLORED SOIL WITH NON IMPACTED SOIL & LEAVE IN PIT AREA.</u>	DVM CALIB. READ: <u>53.5</u> ppm DVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u> TIME: <u>7:19</u> AM/PM DATE: <u>8/22/02</u>
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SCALE  0 FT	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> </tbody> </table>	SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC. ppm																								
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PIT PERIMETER  P.D. = PIT DEPRESSION; B.G. = BELOW GRADE T.H. = TEST HOLE; ~ = APPROX.; B = BELOW	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 @ 4'</td><td>430</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>1 @ 4'</td><td>TPH (8015B)</td><td>1420</td></tr> <tr><td>"</td><td>BTEX (8021B)</td><td>"</td></tr> </tbody> </table> BOTH PASSED	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 @ 4'	430	2 @		3 @		4 @		5 @		SAMPLE ID	ANALYSIS	TIME	1 @ 4'	TPH (8015B)	1420	"	BTEX (8021B)	"
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PIT PROFILE NOT APPLICABLE	TRAVEL NOTES: CALLOUT: <u>8/23/02 - MORN.</u> ONSITE: <u>8/23/02 - AFTER.</u>
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

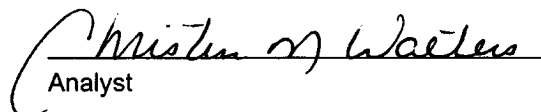
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 4'	Date Reported:	08-29-02
Laboratory Number:	23645	Date Sampled:	08-23-02
Chain of Custody No:	10091	Date Received:	08-26-02
Sample Matrix:	Soil	Date Extracted:	08-26-02
Preservative:	Cool	Date Analyzed:	08-28-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	763	0.2
Diesel Range (C10 - C28)	1,160	0.1
Total Petroleum Hydrocarbons	1,923	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 #86 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 @ 4'	Date Reported:	08-29-02
Laboratory Number:	23645	Date Sampled:	08-23-02
Chain of Custody:	10091	Date Received:	08-26-02
Sample Matrix:	Soil	Date Analyzed:	08-28-02
Preservative:	Cool	Date Extracted:	08-26-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	141	1.8
Toluene	565	1.7
Ethylbenzene	623	1.5
p,m-Xylene	2,150	2.2
o-Xylene	813	1.0
Total BTEX	4,290	

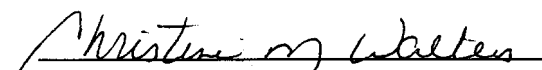
ND - Parameter not detected at the stated detection limit.

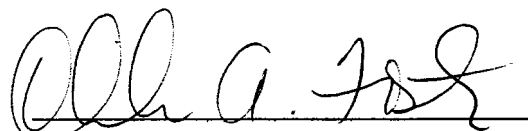
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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 #86 Blow Pit Grab Sample.


Analyst


Review