

District I
P.O. Box 1964, Hobbs, NM
District II
Drawer DD, 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

OK
81083
RECEIVED
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SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

30-045-67768 07678

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

Address: 200 ENERGY COURT, FARMINGTON, NM 87401

Facility or Well Name: BCU #189

Location: Unit or Qtr/Qtr Sec E Sec 36 T 29 N R 13 W 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 X, other ☐

Footage from reference: 110'

Direction from reference: 12 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

Sep Pit B1083

Date Remediation Started: _____ Date Completed: 11-5-02

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: Sample location see Attached Documents
 (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 4' (Test hole bottom)

Sample date 11-4-02 Sample time 1415

Sample Results

Soil: Benzene	(ppm) <u>0.0290</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>2.690</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>229</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>839</u>	Total Xylenes	(ppb) _____

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

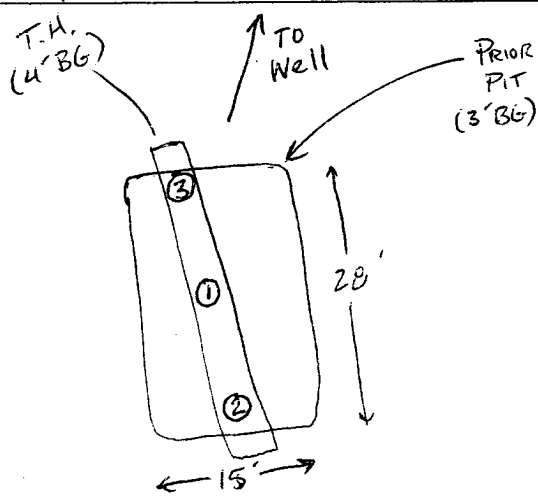
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 11-5-02 PRINTED NAME Jeffrey C. Blagg

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

3004507678

36.68339 108.16264

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>81083</u> COCR NO: <u>10398</u>																																
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																
LOCATION: NAME: <u>GCU 189</u> WELL #: <u>189</u> TYPE: <u>SEP</u> QUAD/UNIT: <u>E SEC: 36 TWP: 29N RNG: 13W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>2488N/1160W</u> SW/NW CONTRACTOR: <u>FLINT (BEN)</u>		DATE STARTED: <u>11-4-02</u> DATE FINISHED: <u>11-4-02</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																
EXCAVATION APPROX. <u>28</u> FT. x <u>15</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</u> LEASE: <u>STATE</u> FORMATION: <u>JK</u>																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>110</u> FT. <u>S 12° W</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: ELEV. <u>5724'</u>																																		
OVM CALIB. READ. = <u>130.1</u> ppm OVM CALIB. GAS = <u>250</u> ppm RF = <u>0.52</u> TIME: <u>1215</u> am/pm DATE: <u>11/4/02</u>																																		
SOIL TYPE: <u>SAND</u> - <u>0'-4' BG</u> SOIL COLOR: <u>yellow tan</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>MODERATE @ 3'-4' Depth</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>MODERATE</u> SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. ADDITIONAL COMMENTS: <u>PIT PREVIOUSLY BACKFILLED - UNKNOWN DATE - USE BACKHOE TO TRENCH</u> <u>BEFORE BOTTOM</u> <u>ACROSS PRIOR PIT LOCATION. HIT DENSE SANDSTONE BEDROCK @ 4'</u> <u>Below GRADE</u>																																		
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> </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>11/4/02 1110</u> ONSITE: <u>11/4/02 1400</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:	11-05-02
Laboratory Number:	24154	Date Sampled:	11-04-02
Chain of Custody No:	10398	Date Received:	11-04-02
Sample Matrix:	Soil	Date Extracted:	11-05-02
Preservative:	Cool	Date Analyzed:	11-05-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

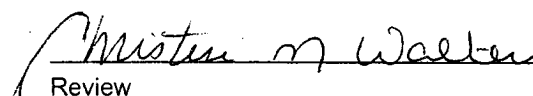
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	120	0.2
Diesel Range (C10 - C28)	719	0.1
Total Petroleum Hydrocarbons	839	0.2

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 189.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Blagg / BP
Sample ID: #1 @ 4'
Laboratory Number: 24154
Chain of Custody: 10398
Sample Matrix: Soil
Preservative: Cool
Condition: Cool & Intact

Project #: 94034-010
Date Reported: 11-05-02
Date Sampled: 11-04-02
Date Received: 11-04-02
Date Analyzed: 11-05-02
Date Extracted: 11-05-02
Analysis Requested: BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	29.0	1.8
Toluene	351	1.7
Ethylbenzene	374	1.5
p,m-Xylene	1,210	2.2
o-Xylene	721	1.0
Total BTEX	2,690	

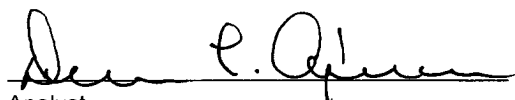
ND - Parameter not detected at the stated detection limit.

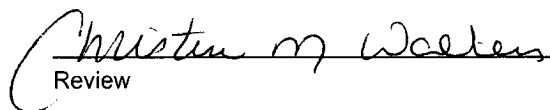
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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 189.


Analyst


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103●

ENVIROTECH INC.

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