

DISTRICT I
DISTRICT II
DISTRICT III
DISTRICT IV

State of New Mexico
Energy, Minerals and Natural Resources Department

OK

B1047

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

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

PIT REMEDIATION AND CLOSURE REPORT

30-045-07697

RECEIVED
OIL CON. DIV.
DEC 3

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

NO 200 ENERGY
Address: 300 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: GCU #86

Location: Unit or Qtr/Qtr Sec H Sec 35 T 29N R 13W County San Juan

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land 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: 174'

Direction from reference: 4 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)

0

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)

0

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)

0

RANKING SCORE (TOTAL POINTS): 0

Sep Pit B1047

Date Remediation Started: _____

Date Completed: 8-29-02

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 3' (Test hole bottom)

Sample date 8-23-02 Sample time 1402

Sample Results

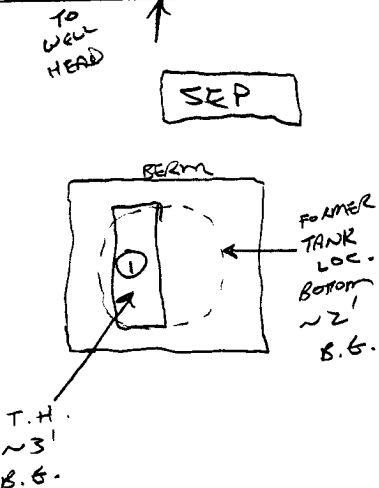
Soil: Benzene	(ppm) <u>0.0021</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>0.389</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>178</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>6.2</u>	Total Xylenes	(ppb) _____

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 8-29-02 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>81047</u> C.D.C. NO: <u>10091</u>																																								
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																								
LOCATION: NAME: <u>GCU</u> WELL #: <u>86</u> TYPE: <u>SEP.</u>		DATE STARTED: <u>8/23/02</u> DATE FINISHED: _____																																								
QUAD/UNIT: <u>H SEC: 35 TWP: 29N RNG: 13W PM: NM CNTY: SJ ST: NM</u>		ENVIRONMENTAL SPECIALIST: <u>NU</u>																																								
QTR/FOOTAGE: <u>1850N/990E</u> SELF-CONTRACTOR: <u>LOL (SCOTT)</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-BURN</u> SURFACE - <u>FEE</u> LEASE: <u>NM 078391C</u> FORMATION: <u>OK</u>																																										
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>174</u> FT. <u>S4W</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:		OVM CALIB. READ: <u>53.5</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u> TIME: <u>7:19</u> @m/pm DATE: <u>8/22/02</u>																																								
SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SANDSTONE)</u>																																										
SOIL COLOR: <u>PALE TO DK. YELL. ORANGE</u> <u>BEDROCK - SAME</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): <u>NON PLASTIC</u> / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC																																										
DENSITY (COHESIVE CLAYS & SILTS): <u>SOFT</u> / FIRM / STIFF / VERY STIFF / HARD																																										
MOISTURE: <u>DRY</u> / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED <u>CLOSED</u>																																										
DISCOLORATION/STAINING OBSERVED: YES / <u>NO</u> EXPLANATION - _____																																										
HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>OVM SAMPLE</u>																																										
SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. _____																																										
ADDITIONAL COMMENTS: <u>FIBERGLASS TANK REMOVED PRIOR TO SAMPLING. COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - VERY HARD, SLIGHTLY FRIABLE.</u>																																										
SCALE  0 FT <table border="1" style="width:100%; border-collapse: collapse;"> <caption>FIELD 418.1 CALCULATIONS</caption> <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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P.D. = PIT DEPRESSION; B.G. = BELOW GRADE T.H. = TEST HOLE; ~ = APPROX.; B = BELOW																																										
TRAVEL NOTES: CALLOUT: <u>8/23/02-MORN.</u> ONSITE: <u>8/23/02 - AFTER.</u>																																										

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP
Sample ID: 1 @ 3'
Laboratory Number: 23646
Chain of Custody No: 10091
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 94034-010
Date Reported: 08-29-02
Date Sampled: 08-23-02
Date Received: 08-26-02
Date Extracted: 08-26-02
Date Analyzed: 08-28-02
Analysis Requested: 8015 TPH

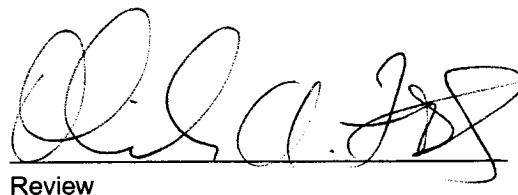
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.4	0.2
Diesel Range (C10 - C28)	5.8	0.1
Total Petroleum Hydrocarbons	6.2	0.2

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 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 @ 3'	Date Reported:	08-29-02
Laboratory Number:	23646	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	2.1	1.8
Toluene	23.4	1.7
Ethylbenzene	39.5	1.5
p,m-Xylene	199	2.2
o-Xylene	125	1.0
Total BTEX	389	

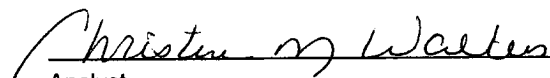
ND - Parameter not detected at the stated detection limit.

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 Separator Pit Grab Sample.


Analyst


Review