

District I

P.O. Box 1920, Hobbs, NM

District II

O. Drawer DD, Artesia, NM

District III

1000 E. 1st St. Rm. 400, 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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OIL CON. DIV.
DIST. 3

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

PIT REMEDIATION AND CLOSURE REPORT

30-045-24870

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

200 ENERGY
Address: 300 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: GCU # 1103E

Location: Unit or Qtr/Qtr Sec M Sec 26 T 29N R 13W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length NA, width NA, depth NA
(Attach diagram)

Reference: wellhead ☒ other ☐

Footage from reference: 108'

Direction from reference: 47 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

Date Remediation Started: _____

Date Completed: 8-15-02

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 3.5' (Test hole bottom)Sample date 8-14-02 Sample time 1010

Sample Results

Soil: Benzene	(ppm) <u>0.119</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>2.850</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>733</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>227</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 8-15-02 PRINTED NAME Jeffrey C. BlaggSIGNATURE Jeffrey C. Blagg AND TITLE President P.E. # 11607

CLIENT: BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: 81034
C.O.C. NO: 10084

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: GCU WELL #: 163E TYPE: DEHY.
QUAD/UNIT: M SEC: 26 TWP: 29N RNG: 13W PM: Nm CNTY: SJ ST: NM
QTR/FOOTAGE: 930'S/1120'W SW/SW CONTRACTOR: L & L (SCOTT)

DATE STARTED: 8/14/02
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: NA
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS IS
LAND USE: RANGE - FEE USE LEASE: NM 078391C FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 108 FT. N47W FROM WELLHEAD
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:
SOIL TYPE: (SAND) / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)
SOIL COLOR: DR. YEL. ORANGE TO BLACK BEDROCK - MED. TO BLUE GRAY
COHESION (ALL OTHERS): (NON COHESIVE) / SLIGHTLY COHESIVE / 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 / SLIGHTLY MOIST / (MOIST) / WET / SATURATED / SUPER SATURATED
DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - ENTIRE PIT AREA & BEDROCK SURFACE
HC ODDR DETECTED: YES / NO EXPLANATION - PIT & OVM SAMPLE
SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS.
ADDITIONAL COMMENTS: COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - VERY HARD
BEDROCK BOTTOM SLIGHTLY FRAGILE INSTRUCTED OPERATOR TO MIX DISCOLORED SOIL W/
NON IMPACTED SOIL WITHIN PIT AREA.

DVM CALIB. READ. 53.0 ppm
DVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 10:17 AM/PM DATE: 8/14/02

FIELD 418.1 CALCULATIONS

SCALE 0 FT

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

PIT PERIMETER 4N

PIT PROFILE

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 3.5'	733
2 @	
3 @	
4 @	
5 @	

NOT APPLICABLE

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 3.5'	TPH (8015B)	1010
"	BTEX (8021B)	"
BOTH PASSED		

TO METER RWD

DEHY

T.H. ~1.5' B.P.D.

P.D. ~2' B.G.

TO WELL HEAD

16' BERM

17'

TRAVEL NOTES: CALLOUT: 8/14/02 - MORN. ONSITE: 8/14/02 - MORN.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

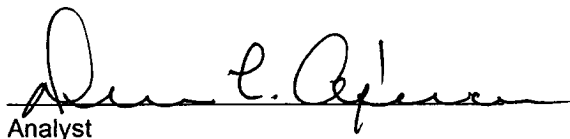
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 3.5'	Date Reported:	08-15-02
Laboratory Number:	23580	Date Sampled:	08-14-02
Chain of Custody No:	10084	Date Received:	08-14-02
Sample Matrix:	Soil	Date Extracted:	08-14-02
Preservative:	Cool	Date Analyzed:	08-15-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

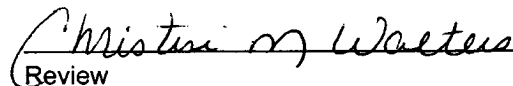
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	8.0	0.2
Diesel Range (C10 - C28)	219	0.1
Total Petroleum Hydrocarbons	227	0.2

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 #163E Dehydrator Pit Grab Sample.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Blagg / BP
Sample ID: 1 @ 3.5'
Laboratory Number: 23580
Chain of Custody: 10084
Sample Matrix: Soil
Preservative: Cool
Condition: Cool & Intact

Project #: 94034-010
Date Reported: 08-15-02
Date Sampled: 08-14-02
Date Received: 08-14-02
Date Analyzed: 08-15-02
Date Extracted: 08-14-02
Analysis Requested: BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	119	1.8
Toluene	346	1.7
Ethylbenzene	334	1.5
p,m-Xylene	1,410	2.2
o-Xylene	640	1.0
Total BTEX	2,850	

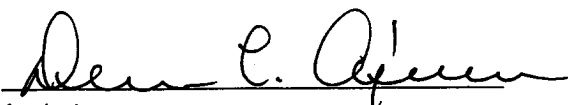
ND - Parameter not detected at the stated detection limit.

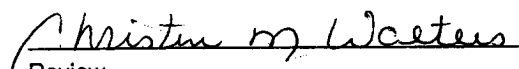
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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 #163E Dehydrator Pit Grab Sample.


Analyst


Review