

District I
P.O. Box 1980, Hobbs, NM
District II
Lawer 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 B1059
RECEIVED
JAN 17 2003
OIL CON. DIV.
DIST. 3

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

30-045-26269

Operator: BP AMERICA PRODUCTION CO. Telephone: (505) 326-9200
Address: 200 ENERGY COURT, FARMINGTON, NM 87401
Facility or Well Name: GCU # 237 E
Location: Unit or Qtr/Qtr Sec C Sec 13 T28 N R 13 W County San Juan
Pit Type: Separator Dehydrator Other Abandoned
Land Type: BLM X, State , Fee , Other

Pit Location:
(Attach diagram)

Pit dimensions: length NA, width NA, depth NA

Reference: wellhead X, other

Footage from reference: 1608'

Direction from reference: 17 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

Aband Pit B1059

Date Remediation Started: _____

Date Completed: 9-11-02

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 7.5' (Test hole bottom)

Sample date 9-10-02 Sample time 1151

Sample Results

Soil: Benzene	(ppm) <u>0.0135</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>1.720</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>882</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>825</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 9-11-02 PRINTED NAME Jeffrey C. Blagg

SIGNATURE 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: B1059
COCR NO: 10102

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: GCU WELL#: 237E TYPE: ABAN -
QUAD/UNIT: C SEC: 13 TWP: 28N RING: 13W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1060'N/1450'W NE/NW CONTRACTOR: FLINT (BEN)

DATE STARTED: 9/10/02
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-BLM SURFACE USE-FEE LEASE: NM 078391C FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 168 FT. S17E 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: ELEV. 5706
OVM CALIB. READ. = 53.5 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 12:30 am/pm DATE: 9/3/02

SOIL TYPE: SAND SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)
SOIL COLOR: OK. YELL. ORANGE LT. GRAY/BLACK (ABOVE BEDROCK) BEDROCK - LT. GRAY TO BLACK
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 - 6 INCHES OF SOIL ABOVE BEDROCK & BEDROCK SURFACE
HC ODOR DETECTED: YES / NO EXPLANATION - OVM SAMPLE
SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. -
ADDITIONAL COMMENTS: COLLECTED SAMPLE FROM SOIL ABOVE BEDROCK. BEDROCK - SOFT TO HARD, FRIABLE. PIT WAS BACKFILLED PRIOR TO ARRIVAL. REFERRED TO PIT INVENTORY FIELD REPORT FOR PIT LOCATION-NOTED AS 159' S19E FROM WELL HEAD.

CLOSED

SCALE
0 FT

FIELD 418.1 CALCULATIONS
SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)

PIT PERIMETER

PIT PROFILE

TO WELL HEAD

METER RUN

T.H. ~7.5' B.G.

BERM

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 7.5	882
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 7.5	TPH (80158)	1151
"	STY (80218)	"
TOTAL PASSED		

NOT APPLICABLE

P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW
T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM

TRAVEL NOTES: CALLOUT: 9/10/02-MORN. ONSITE: 9/10/02-MORN.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP
Sample ID: 1 @ 7.5'
Laboratory Number: 23787
Chain of Custody No: 10102
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

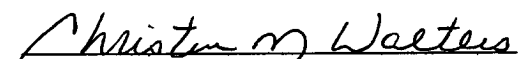
Project #: 94034-010
Date Reported: 09-11-02
Date Sampled: 09-10-02
Date Received: 09-10-02
Date Extracted: 09-11-02
Date Analyzed: 09-11-02
Analysis Requested: 8015 TPH

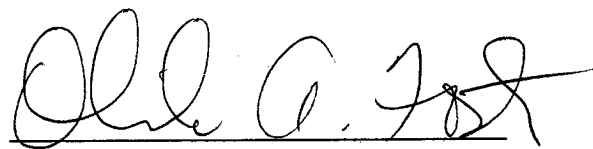
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	594	0.2
Diesel Range (C10 - C28)	231	0.1
Total Petroleum Hydrocarbons	825	0.2

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 #237E Abandoned 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 @ 7.5'	Date Reported:	09-12-02
Laboratory Number:	23787	Date Sampled:	09-10-02
Chain of Custody:	10102	Date Received:	09-10-02
Sample Matrix:	Soil	Date Analyzed:	09-11-02
Preservative:	Cool	Date Extracted:	09-11-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	13.5	1.8
Toluene	232	1.7
Ethylbenzene	205	1.5
p,m-Xylene	836	2.2
o-Xylene	432	1.0
Total BTEX	1,720	

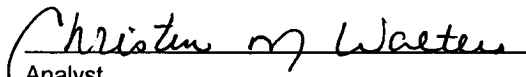
ND - Parameter not detected at the stated detection limit.

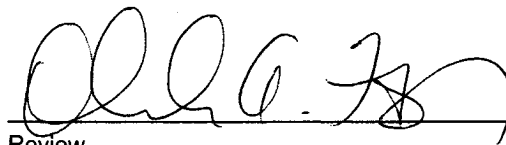
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96 %
	1,4-difluorobenzene	96 %
	Bromochlorobenzene	96 %

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 #237E Abandoned Pit Grab Sample.


Analyst


Review