

District I
P.O. Box 1988, Belden, NM

District II
P.O. Box 1988, Belden, NM

District III
P.O. Box 1988, Belden, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

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

B1214

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

PIT REMEDIATION AND CLOSURE REPORT

307645-26210

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

Address: 200 ENERGY COURT, FARMINGTON, NM 87401

Facility or Well Name: GOU # 233E

Location: Unit or Qtr/Qtr Sec J Sec 27 T 28N R 12W 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: 168'

Direction from reference: 84 Degrees ☒ East ☒ North
West of South

Depth To Groundwater: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 points) 0
high water elevation of
groundwater)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 100 feet (20 points)
(Horizontal distance to perennial 100 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

61214

Sept 11

Date Remediation Started: _____

Date Completed: 5-20-03

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.

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 9' (Test hole bottom)

Sample date 5-16-03 Sample time 1420

Sample Results

Soil: Benzene (ppm) ND Water: Benzene (ppb) _____

Total BTEX (ppm) 0.534 Toluene (ppb) _____

Field Headspace (ppm) 235 Ethylbenzene (ppb) _____

TPH (ppm) 88.5 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 5-20-03 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>81214</u> COCR NO: <u>10942</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>GCU</u> WELL #: <u>233 E</u> TYPE: <u>S&P</u> QUAD/UNIT: <u>J SEC: 27 TWP: 28N RNG: 12W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>1850S 1850E</u> NWLSE CONTRACTOR: <u>RINT (REN)</u>	PAGE No: <u>1</u> of <u>1</u> DATE STARTED: <u>5-16-03</u> DATE FINISHED: <u>5-16-03</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>
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EXCAVATION APPROX. 21 FT. x 21 FT. x 3 FT. DEEP. CUBIC YARDAGE: 0

DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS IS

LAND USE: NAPI SURF. USE: NAVAJO LEASE: NMNMO78391C FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 168 FT. N84°E 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: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: _____ 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: YES / NO EXPLANATION - _____ HC ODOR DETECTED: YES / NO EXPLANATION - _____ SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>USE BACKHOE TO DIG TEST TRENCH. BLACK from 3'-6',</u> <u>GRAY from 6'-8'; Lite Gray @ 9' in Pit Center.</u> <u>Pit Edges tan colored.</u>	OVM CALIB. READ. = <u>129.7</u> ppm OVM CALIB. GAS = <u>250</u> ppm RF = 0.52 TIME: <u>1230</u> am/pm DATE: <u>5-16-03</u>
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MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - _____

HC ODOR DETECTED: YES / NO EXPLANATION - _____

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. _____

ADDITIONAL COMMENTS: USE BACKHOE TO DIG TEST TRENCH. BLACK from 3'-6',
GRAY from 6'-8'; Lite Gray @ 9' in Pit Center.
Pit Edges tan colored.

SCALE

0 FT

PIT PERIMETER

FIELD 418.1 CALCULATIONS

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

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 9'	194
2 @ 9'	235
3 @ 9'	116
4 @ 9'	
5 @ 9'	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
2 @ 9'	TH/BTEX	1470
		1420

PIT PROFILE

NOT APPLICABLE

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

TRAVEL NOTES: CALLOUT: 5/16/03 0930 ONSITE: 5/16/03 1400

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

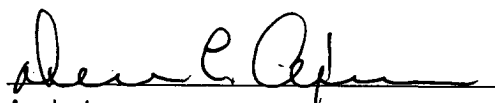
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Sep #2 @ 9'	Date Reported:	05-20-03
Laboratory Number:	25683	Date Sampled:	05-16-03
Chain of Custody No:	10942	Date Received:	05-16-03
Sample Matrix:	Soil	Date Extracted:	05-19-03
Preservative:	Cool	Date Analyzed:	05-20-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

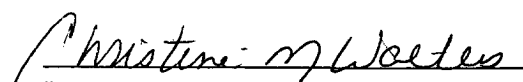
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	8.0	0.2
Diesel Range (C10 - C28)	80.5	0.1
Total Petroleum Hydrocarbons	88.5	0.2

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 233E.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Sep #2 @ 9'	Date Reported:	05-20-03
Laboratory Number:	25683	Date Sampled:	05-16-03
Chain of Custody:	10942	Date Received:	05-16-03
Sample Matrix:	Soil	Date Analyzed:	05-20-03
Preservative:	Cool	Date Extracted:	05-19-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	82.5	1.7
Ethylbenzene	106	1.5
p,m-Xylene	182	2.2
o-Xylene	163	1.0
Total BTEX	534	

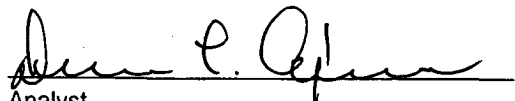
ND - Parameter not detected at the stated detection limit.

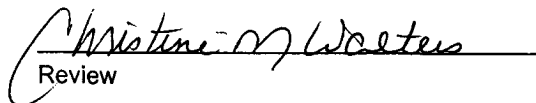
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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 233E.


Analyst


Review