

District I
P.O. Box 1986, Hobbs, NM
District II
Drawer DD, Artesia, NM
District III
1900 Rio Brava 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 B1033
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OIL CON. DIV.
DIST. 3

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

PIT REMEDIATION AND CLOSURE REPORT

30-045-07678

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 29N R 13W County San Juan
Pit Type: Separator Dehydrator Other Blow
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: 246'

Direction from reference: 33 Degrees ✓ East North
West of 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

B1083

Blow Pit

Date Remediation Started: _____

Date Completed: 10-22-02

Remediation Method:

(Check all appropriate sections)

Excavation XApprox. cubic yards NA

Landfarmed _____

Insitu Bioremediation _____

Other CLOSE AS IS.

Remediation Location:

(i.e. landfarmed onsite, name and location of offsite facility)

Onsite X Offsite _____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' (Test hole bottom)Sample date 10-18-02 Sample time 0805

Sample Results

Soil: Benzene	(ppm) <u>0.129</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>3.660</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>125</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>500</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 10-22-02 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: 81083

COCR NO: 10366

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: GCU WELL #: 189 TYPE: BLOW

DATE STARTED: 10-18-02

DATE FINISHED: 10-18-02

QUAD/UNIT: E SEC: 36 TWP: 29N RNG: 13W PM: NM CNTY: SJ ST: NM

QTR/FOOTAGE: 2480'N/1160'W SW/NE CONTRACTOR: FUNT (BEN)

ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: 0

DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS IS

LAND USE: RANGE LEASE: STATE NA 078391C FORMATION: DK

FIELD NOTES & REMARKS:

PIT LOCATED APPROXIMATELY 246 FT. S33°E FROM WELLHEAD.

DEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: 2100' NEAREST SURFACE WATER: 21000'

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 131.8 ppm

OVM CALIB. GAS = 250 ppm RF = 0.52

TIME: 0915 am/pm DATE: 10-18-02

SOIL TYPE: (SAND) SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK S.S. @ 3'

SOIL COLOR: Yellow TAN

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 - (minor on sandstone surface)

HC ODOR DETECTED: YES / (NO) EXPLANATION - (V. Minor)

SAMPLE TYPE: (GRAB) COMPOSITE - # OF PTS.

ADDITIONAL COMMENTS: Pit previously Backfilled. Used Backhoe to trench

BEDROCK
Bottom

Across Pit Location. Hit Firm Bedrock Sandstone @ 3' B6 w/ minor staining on surface

FIELD 418.1 CALCULATIONS

SCALE



FT

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

PIT PERIMETER**PIT PROFILE****OVM
READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 3'	125
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
TH1 @ 3'	TPH + B6 + OVS	

(BOTH 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: 10/17/02 1400 ONSITE: 10/18/02 0730

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

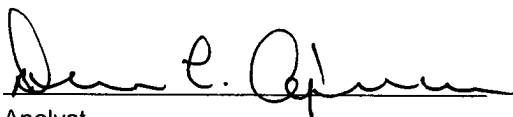
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	TH #1 @ 3'	Date Reported:	10-22-02
Laboratory Number:	24066	Date Sampled:	10-18-02
Chain of Custody No:	10366	Date Received:	10-18-02
Sample Matrix:	Soil	Date Extracted:	10-18-02
Preservative:	Cool	Date Analyzed:	10-22-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

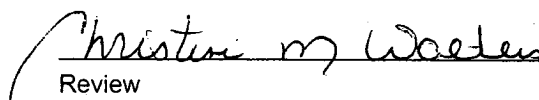
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	286	0.2
Diesel Range (C10 - C28)	220	0.1
Total Petroleum Hydrocarbons	506	0.2

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	Project #:	94034-010
Sample ID:	TH #1 @ 3'	Date Reported:	10-22-02
Laboratory Number:	24066	Date Sampled:	10-18-02
Chain of Custody:	10366	Date Received:	10-18-02
Sample Matrix:	Soil	Date Analyzed:	10-22-02
Preservative:	Cool	Date Extracted:	10-18-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	129	1.8
Toluene	537	1.7
Ethylbenzene	522	1.5
p,m-Xylene	1,450	2.2
o-Xylene	1,020	1.0
Total BTEX	3,660	

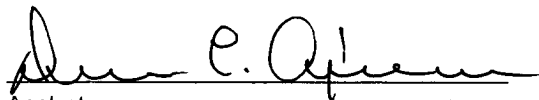
ND - Parameter not detected at the stated detection limit.

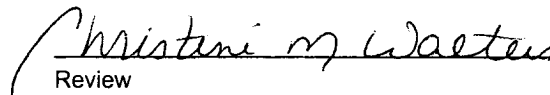
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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


Review