

District I  
P.O. Box 1980, Hobbs, NM  
District II  
Drawer DD, Artesia, NM  
District III  
1000 Rio Bravo Rd., Aztec, NM

VUL  
State of New Mexico  
Energy, Minerals and Natural Resources Department

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

OK  
31057  
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JAN 17 2003  
OIL CON. DIV.  
INT. 3

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

PIT REMEDIATION AND CLOSURE REPORT

30-045-24839

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

Address: 200 ENERGY COURT, FARMINGTON, NM 87401

Facility or Well Name: GCU # 189E

Location: Unit or Qtr/Qtr Sec K Sec 36 T 29 N R 13 W County San Juan

Pit Type: Separator    Dehydrator    Other Blow

Land Type: BLM KAG X, State ✓, Fee   , Other   

Pit Location:  
(Attach diagram)

Pit dimensions: length NA, width NA, depth NA

Reference: wellhead X, other   

Footage from reference: 156'

Direction from reference: 88 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)	<u>20</u>
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): 10 KAG  
0

Blow Pit

Date Remediation Started: \_\_\_\_\_ Date Completed: 9-9-02

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.

Groundwater Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit Closure Sampling: Sample location see Attached Documents  
(if multiple samples, attach sample results and diagram of sample locations and depths)  
Sample depth 12' (Test hole bottom)  
Sample date 9-4-02 Sample time 1305

Sample Results

Soil: Benzene	(ppm) _____	Water: Benzene	(ppb) _____
Total BTEX	(ppm) _____	Toluene	(ppb) _____
Field Headspace	(ppm) <u>0.0</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>ND</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 9-9-02 PRINTED NAME Jeffrey C. Blagg

SIGNATURE Jeffrey C. Blagg AND TITLE President P.E. # 11607

VUL

3004524839

36.67996 108.15980

CLIENT: BP

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

LOCATION NO: 81057  
COCR NO: 10099

# FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1  
DATE STARTED: 9/4/02  
DATE FINISHED: \_\_\_\_\_  
ENVIRONMENTAL SPECIALIST: NV

LOCATION: NAME: GCU WELL #: 189E TYPE: BLOW  
QUAD/UNIT: K SEC: 36 TWP: 29N RING: 13W PM: NM CNTY: SJ ST: NM  
QTR/FOOTAGE: 1560'S/2025'W NELSW CONTRACTOR: FLINT (BEN)

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 LEASE: STATE FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 156 FT. 588E FROM WELLHEAD.  
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: <1000' NEAREST SURFACE WATER: 21000'  
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

## SOIL AND EXCAVATION DESCRIPTION:

ELEV.  
5525

OVM CALIB. READ. = 53.5 ppm  
OVM CALIB. GAS = 100 ppm RF = 0.52  
TIME: 12:30 am/pm DATE: 9/3/02

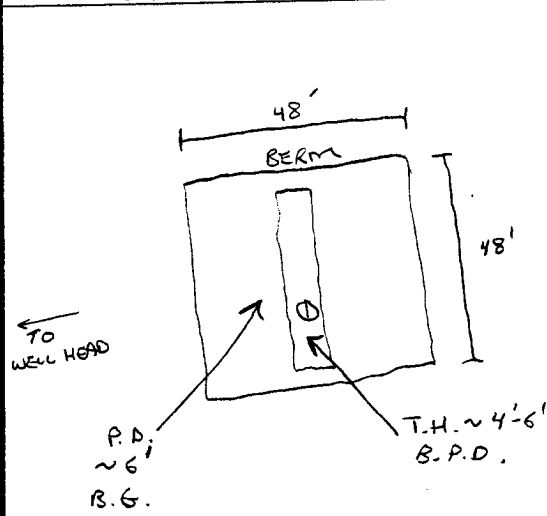
SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER  
SOIL COLOR: OK. YELL. DRANGE TO MOD. YELL. BROWN (LT. MED. GRAY 8'-9' BELOW GRADE)  
COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE  
CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / 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: LT. MED. GRAY NOTED ABOVE (1-1 1/2' THICK LAYER ONLY)  
HC ODOR DETECTED: YES / NO EXPLANATION: DISCOLORED SOIL NOTED ABOVE  
SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. \_\_\_\_\_  
ADDITIONAL COMMENTS: \_\_\_\_\_

## FIELD 418.1 CALCULATIONS

SCALE  
0 FT

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

## PIT PERIMETER



## OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 12'	0.0
2 @	
3 @	
4 @	
5 @	

## LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 12'	TAH (80158)	1305

## PIT PROFILE

NOT APPLICABLE

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

TRAVEL NOTES: CALLOUT: 9/4/02 - MORN. ONSITE: 9/4/02 - AFTER.

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

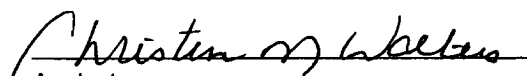
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 12'	Date Reported:	09-09-02
Laboratory Number:	23765	Date Sampled:	09-04-02
Chain of Custody No:	10099	Date Received:	09-05-02
Sample Matrix:	Soil	Date Extracted:	09-05-02
Preservative:	Cool	Date Analyzed:	09-06-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

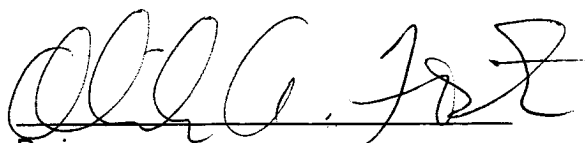
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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 #189E Blow Pit Grab Sample.

  
Analyst

  
Review