

District I

P.O. Box 1988, Hobbs, NM

District II

P.O. Box 1988, Hobbs, NM

District III

1988 Rd. Box 1988, Hobbs, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

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

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 ENERGY COURT, FARMINGTON, NM 87401

Facility or Well Name: GCU # 109E

Location: Unit or Qtr/Qtr Sec E Sec 18 T 29N R 12W County San Juan

Pit Type: Separator ☐ Dehydrator ☐ Other Production Tank

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: 153'

Direction from reference: 63 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

Prod Tank Pit

Date Remediation Started: _____ Date Completed: 2-19-03

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.
Bedrock Bottom. STEEL TANK TO BE INSTALLED.

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 6' (Test hole bottom)

Sample date 2-17-03 Sample time 1528

Sample Results

Soil: Benzene	(ppm) <u>ND</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>0.791</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>378</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>475</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 2-19-03 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: B1154
COCR NO: 10504

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: GCU WELL#: 109E TYPE: PROD. TANK
QUAD/UNIT: E SEC: 18 TWP: 29N RNG: 12W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1675'N/850'W SW1NW CONTRACTOR: L&L (JEFF)

DATE STARTED: 2/17/03
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: RESIDENTIAL LEASE: FEE FORMATION: DR

FIELD NOTES & REMARKS:
PIT LOCATED APPROXIMATELY 153 FT. S63E 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: DK. YELL. ORANGE (3-5' BELOW GRADE) BEDROCK - LT. TO MED. 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: @ BEDROCK
HC ODOR DETECTED: YES NO EXPLANATION: TEST HOLE + OVM SAMPLE
SAMPLE TYPE: GRAB COMPOSITE - # OF PTS. -
ADDITIONAL COMMENTS: STEEL TANK TO BE INSTALLED. COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - SOFT TO HARD, FRIABLE TO SLIGHTLY FRIABLE.

OVM CALIB. READ. = 51.2 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 1:00 am/pm DATE: 2/14/03

SCALE
0 FT

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

PIT PERIMETER
Diagram showing pit dimensions: 22' x 21'. Labels: BERM, P.D. ~3' B.G., T.H. ~3' B.P.D., PROD. TANK.

PIT PROFILE
Diagram showing pit profile with labels: TO WELL HEAD, BERM, P.D. ~3' B.G., T.H. ~3' B.P.D., PROD. TANK.

OVM READING
TABLE: SAMPLE ID, FIELD HEADSPACE (ppm)
1 @ 6' 378
2 @
3 @
4 @
5 @
LAB SAMPLES
TABLE: SAMPLE ID, ANALYSIS, TIME
1 @ 6' TPH (8015B) 1528
" BTEX (8021B) "
BOTH PASSED

NOT APPLICABLE

TRAVEL NOTES:
CALLOUT: 2/17/03 - MORN. ONSITE: 2/17/03 - AFTER.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

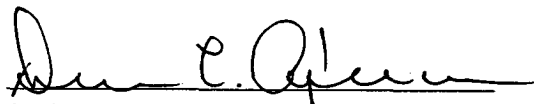
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 6'	Date Reported:	02-19-03
Laboratory Number:	24869	Date Sampled:	02-17-03
Chain of Custody No:	10504	Date Received:	02-18-03
Sample Matrix:	Soil	Date Extracted:	02-19-03
Preservative:	Cool	Date Analyzed:	02-19-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

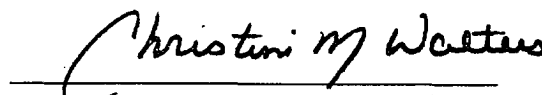
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	281	0.2
Diesel Range (C10 - C28)	194	0.1
Total Petroleum Hydrocarbons	475	0.2

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 #104E Production Tank 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 @ 6'	Date Reported:	02-19-03
Laboratory Number:	24869	Date Sampled:	02-17-03
Chain of Custody:	10504	Date Received:	02-18-03
Sample Matrix:	Soil	Date Analyzed:	02-19-03
Preservative:	Cool	Date Extracted:	02-19-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	52.2	1.7
Ethylbenzene	69.0	1.5
p,m-Xylene	439	2.2
o-Xylene	231	1.0
Total BTEX	791	

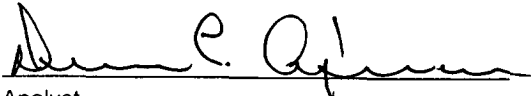
ND - Parameter not detected at the stated detection limit.

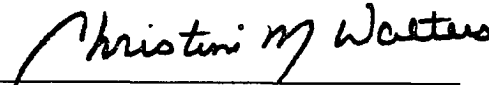
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97 %
	1,4-difluorobenzene	97 %
	Bromochlorobenzene	97 %

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 #104E Production Tank Pit Grab Sample.


Analyst


Review