

District I
P.O. Box 1900, Hobbs, NM
District II
P.O. Box 1900, Hobbs, NM
District III
P.O. Box 1900, 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

B1155
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

30-045-25213

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

Address: 200 ENERGY COURT, FARMINGTON, NM 87401

Facility or Well Name: BCU # 96E

Location: Unit or Qtr/Qtr Sec B Sec 18 T 29N R 2W 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: 192'

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)

0

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)

0

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)

0

RANKING SCORE (TOTAL POINTS): 0

Blow # 4 B1155

Date Remediation Started: _____

Date Completed: 2-19-03

Remediation Method:

(Check all appropriate sections)

Excavation XApprox. cubic yards NA 30Landfarmed X

Insitu Bioremediation _____

Other CLOSE AS IS

Remediation Location:

(i.e. landfarmed onsite,
name and location of
offsite facility)Onsite X Offsite X BP'S CROWN MESA FACILITY.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 2-17-03 Sample time 1610

Sample Results

Soil: Benzene (ppm) ND Water: Benzene (ppb) _____Total BTEX (ppm) 0.743 Toluene (ppb) _____Field Headspace (ppm) 174 Ethylbenzene (ppb) _____TPH (ppm) 764 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. BlaggSIGNATURE 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>81155</u> COCR NO: <u>10505</u>																																						
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																						
LOCATION: NAME: <u>GCM</u> WELL #: <u>96E</u> TYPE: <u>BLOW</u> QUAD/UNIT: <u>B SEC: 18 TWP: 29N RNG: 12W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>940'N/1590'E</u> NWLINE CONTRACTOR: <u>L+L (JEFF)</u>		DATE STARTED: <u>2/17/03</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																						
EXCAVATION APPROX. <u>23</u> FT. x <u>25</u> FT. x <u>1.5</u> FT. DEEP. CUBIC YARDAGE: <u>30</u>																																								
DISPOSAL FACILITY: <u>BP CROWN MESA FACILITY</u> REMEDIATION METHOD: <u>LANDFARM</u>																																								
LAND USE: <u>RESIDENTIAL</u> LEASE: <u>AM078391C</u> FORMATION: <u>DR</u>																																								
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>192</u> FT. <u>N88W</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM																																								
SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SANDSTONE)</u> SOIL COLOR: <u>OK. YEL. ORANGE TO OK. YEL. BROWN</u> <u>BEDROCK - LT. TO OK. GRAY</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / <u>FIRM</u> 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: <u>YES</u> / NO EXPLANATION - <u>ON PIT SURFACE (LIMITED) & ENTIRE TEST HOLE</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>TEST HOLE & DUM SAMPLE</u> SAMPLE TYPE: <u>GRAB</u> COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - HARD, SLIGHTLY FRIABLE TO COMPRESS.</u> BEDROCK BOTTOM		OVM CALIB. READ. = <u>51.2</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>1:00</u> am/pm DATE: <u>2/14/03</u>																																						
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TRAVEL NOTES: CALLOUT: <u>2/17/03 - MORN.</u> ONSITE: <u>2/17/03 - AFTER.</u>																																								

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP
Sample ID: 1 @ 3'
Laboratory Number: 24870
Chain of Custody No: 10505
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

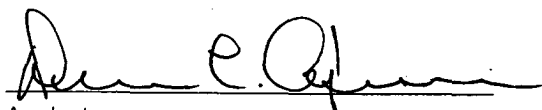
Project #: 94034-010
Date Reported: 02-19-03
Date Sampled: 02-17-03
Date Received: 02-18-03
Date Extracted: 02-19-03
Date Analyzed: 02-19-03
Analysis Requested: 8015 TPH

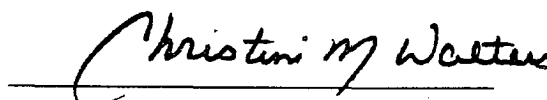
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	171	0.2
Diesel Range (C10 - C28)	593	0.1
Total Petroleum Hydrocarbons	764	0.2

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 #96E Blow Pit Grab Sample.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Blagg / BP
Sample ID: 1 @ 3'
Laboratory Number: 24870
Chain of Custody: 10505
Sample Matrix: Soil
Preservative: Cool
Condition: Cool & Intact

Project #: 94034-010
Date Reported: 02-19-03
Date Sampled: 02-17-03
Date Received: 02-18-03
Date Analyzed: 02-19-03
Date Extracted: 02-19-03
Analysis Requested: BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	25.4	1.7
Ethylbenzene	51.5	1.5
p,m-Xylene	472	2.2
o-Xylene	194	1.0
Total BTEX	743	

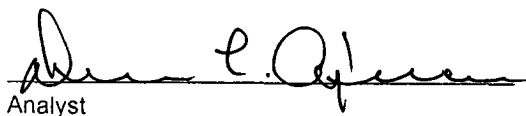
ND - Parameter not detected at the stated detection limit.

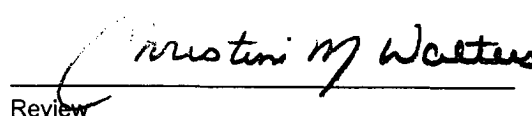
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97 %
	1,4-difluorobenzene	97 %
	Bromochlorobenzene	97 %

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 #96E Blow Pit Grab Sample.


Analyst


Review