

District I

P.O. Box 1000, Hobbs, NM

District II

O. Drawer DD, Artesia, NM

District III

1000 E. 10th St., Alamogordo, 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 COPY TO

APPROPRIATE

DISTRICT OFFICE

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SANTA FE OFFICE

RECEIVED
JAN 17 2003

PIT REMEDIATION AND CLOSURE REPORT

OIL CON. DIV.
DIST. 3

30-045-24870

Operator: BP AMERICA PRODUCTION CO. Telephone: (505) 326-9200
WV ZOO ENERGY
Address: 300 AMOCO COURT, FARMINGTON, NM 87401
Facility or Well Name: GCU # 163E
Location: Unit or Qtr/Qtr Sec M Sec 26 T 24N R 13W County San Juan
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
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: 141'

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

Date Remediation Started: _____

Date Completed: 8-15-02

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.

Bedrock Bottom

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 5' (Test hole bottom)

Sample date 8-14-02 Sample time 1015

Sample Results

Soil: Benzene	(ppm) <u>0.0052</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>3.830</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>341</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>18.8</u>	Total Xylenes	(ppb) _____

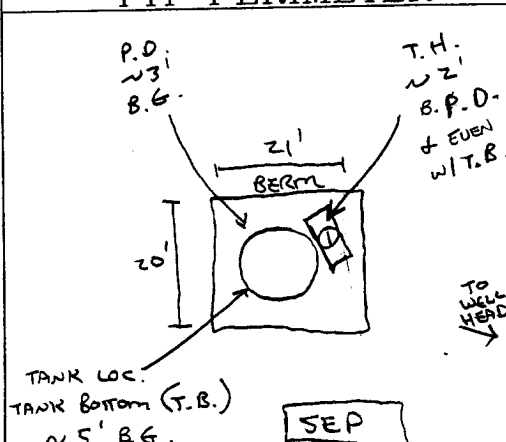
Groundwater Sample:

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 8-15-02 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>81034</u> C.O.C. NO: <u>10084</u>																																																						
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																																						
LOCATION: NAME: <u>GCU</u> WELL #: <u>163E</u> TYPE: <u>SEP.</u> QUAD/UNIT: <u>M</u> SEC: <u>26</u> TWP: <u>29N</u> RNG: <u>13W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>930'S / 1120'W</u> SW/SW CONTRACTOR: <u>L & L (SCOTT)</u>		DATE STARTED: <u>8/14/02</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																																						
EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>NA</u> DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>CLOSE AS IS</u> LAND USE: <u>RANGE</u> ^{SURFACE} USE LEASE: <u>NM078391C</u> FORMATION: <u>OK</u>																																																								
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>141</u> FT. <u>588W</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 BLACK</u> <u>BEDROCK - LT. TO MED. 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): <u>NON PLASTIC</u> / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): <u>SOFT</u> / FIRM / STIFF / VERY STIFF / HARD <u>CLOSED</u> MOISTURE: DRY / SLIGHTLY MOIST / <u>MOIST</u> / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION: <u>PERIMETER OF STEEL TANK & BEDROCK SURFACE.</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION: <u>TEST HOLE & OVM SAMPLE.</u> SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. <u>—</u> ADDITIONAL COMMENTS: <u>COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - VERY HARD</u> <u>BEDROCK Bottom</u> <u>SLIGHTLY FRIABLE - INSTRUCTED OPERATOR TO MIX DISCOLORED SOIL W/</u> <u>NON IMPACTED SOIL WITHIN PIT AREA.</u>		OVM CALIB. READ: <u>53.0</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u> TIME: <u>10:17</u> AM DATE: <u>8/14/02</u>																																																						
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P.D. = PIT DEPRESSION; B.G. = BELOW GRADE T.H. = TEST HOLE; ~ = APPROX.; B = BELOW																																																								
TRAVEL NOTES: CALLOUT: <u>8/14/02 - MORN.</u> ONSITE: <u>8/14/02 - MORN.</u>																																																								

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

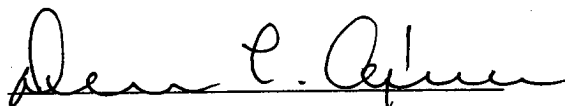
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	08-15-02
Laboratory Number:	23581	Date Sampled:	08-14-02
Chain of Custody No:	10084	Date Received:	08-14-02
Sample Matrix:	Soil	Date Extracted:	08-14-02
Preservative:	Cool	Date Analyzed:	08-15-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

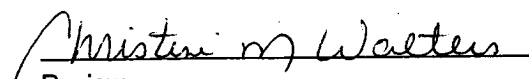
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	5.2	0.2
Diesel Range (C10 - C28)	13.6	0.1
Total Petroleum Hydrocarbons	18.8	0.2

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 #163E Separator 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 @ 5'	Date Reported:	08-15-02
Laboratory Number:	23581	Date Sampled:	08-14-02
Chain of Custody:	10084	Date Received:	08-14-02
Sample Matrix:	Soil	Date Analyzed:	08-15-02
Preservative:	Cool	Date Extracted:	08-14-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	5.2	1.8
Toluene	46.8	1.7
Ethylbenzene	439	1.5
p,m-Xylene	2,140	2.2
o-Xylene	1,200	1.0
Total BTEX	3,830	

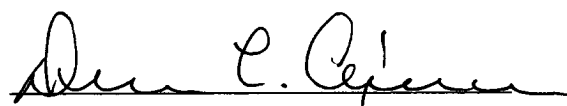
ND - Parameter not detected at the stated detection limit.

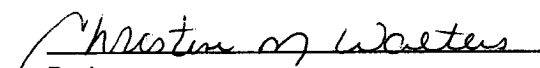
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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 #163E Separator Pit Grab Sample.


Analyst


Review