

District I

P.O. Box 1120, Hobbs, NM

District II

P.O. Drawer 80, Artesia, NM

District III

1000 E. Broadway, 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

OK B1039
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APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

30-045-24250

OIL CONSERVATION DIV.
DIST. 3

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

Address: 200 ENERGY
300 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: GCU # 172E

Location: Unit or Qtr/Qtr Sec 7 Sec 25 T 29N R 13W County San Juan

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location:
(Attach diagram)

Pit dimensions: length NA, width NA, depth NA

Reference: wellhead ☒ other ☐

Footage from reference: 150'

Direction from reference: 0 Degrees ☒ East of 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

Sep Pit B1039

Date Remediation Started: _____

Date Completed: 8-26-02

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 8-20-02 Sample time 0954

Sample Results

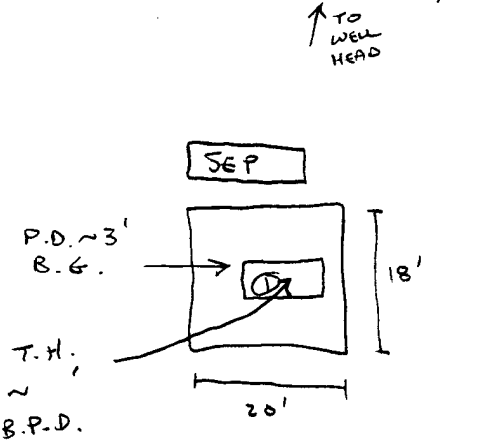
Soil: Benzene	(ppm) <u>0.233</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>3.784</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>517</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>255</u>	Total Xylenes	(ppb) _____

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 8-26-02 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>81039</u> C.D.C. NO: <u>10085</u>																																								
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																								
LOCATION: NAME: <u>GCH</u> WELL #: <u>172E</u> TYPE: <u>SEP.</u> QUAD/UNIT: <u>N</u> SEC: <u>25</u> TWP: <u>29N</u> RNG: <u>13W</u> PM: <u>NM CNTY: ST NM</u> QTR/FOOTAGE: <u>960'S / 1530' W</u> S&SW CONTRACTOR: <u>L & L (SCOTT)</u>		DATE STARTED: <u>8/20/02</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-BLM</u> ^{SURFACE} FEE LEASE: <u>NM07839/C</u> FORMATION: <u>OK</u>																																										
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>150</u> FT. <u>SOE</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMDCD RANKING SCORE: <u>0</u> NMDCD 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>DR. YELL. BROWN TO BLACK</u> <u>BEDROCK - LT. GRAY</u> COHESION (ALL OTHERS): <u>(NON COHESIVE)</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>(LOOSE)</u> / 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 / <u>(MOIST)</u> / WET / <u>(SATURATED)</u> / SUPER SATURATED <u>(CLOSED)</u> DISCOLORATION/STAINING OBSERVED: <u>(YES)</u> / NO EXPLANATION - _____ HC ODOR DETECTED: <u>(YES)</u> / NO EXPLANATION - _____ SAMPLE TYPE: <u>(GRAB)</u> / COMPOSITE - # OF PTS. <u>-</u> ADDITIONAL COMMENTS: <u>FLUIDS WITHIN PIT DEPRESSION MIXED WITH DRY SOIL, THEN ADVANCED TEST</u> <u>BEDROCK BOTTOM</u> <u>HOLE, COLLECTED SAMPLE FROM BEDROCK - BEDROCK - SOFT TO HARD, FRIABLE.</u> <u>OPERATOR QUIETED/REARDED SOIL WITHIN PIT AREA.</u>		OVM CALIB. READ. <u>57.5</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u> TIME: <u>8:05</u> am/pm DATE: <u>8/20/02</u>																																								
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P.D. = PIT DEPRESSION; B.G. = BELOW GRADE T.H. = TEST HOLE; ~ = APPROX.; B = BELOW																																										
TRAVEL NOTES: CALLOUT: <u>8/19/02 - AFTER.</u> ONSITE: <u>8/20/02 - MORN.</u>																																										

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

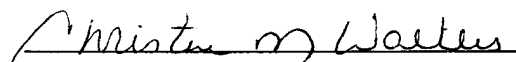
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	08-26-02
Laboratory Number:	23615	Date Sampled:	08-20-02
Chain of Custody No:	10085	Date Received:	08-20-02
Sample Matrix:	Soil	Date Extracted:	08-21-02
Preservative:	Cool	Date Analyzed:	08-25-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

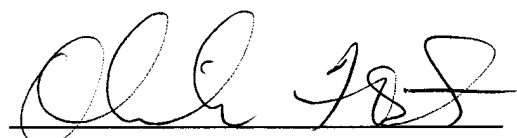
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	10.7	0.2
Diesel Range (C10 - C28)	244	0.1
Total Petroleum Hydrocarbons	255	0.2

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 #172E 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:	08-26-02
Laboratory Number:	23615	Date Sampled:	08-20-02
Chain of Custody:	10085	Date Received:	08-20-02
Sample Matrix:	Soil	Date Analyzed:	08-23-02
Preservative:	Cool	Date Extracted:	08-21-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	233	1.8
Toluene	480	1.7
Ethylbenzene	363	1.5
p,m-Xylene	1,940	2.2
o-Xylene	768	1.0
Total BTEX	3,784	

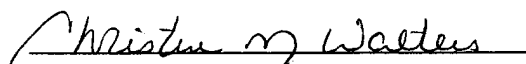
ND - Parameter not detected at the stated detection limit.

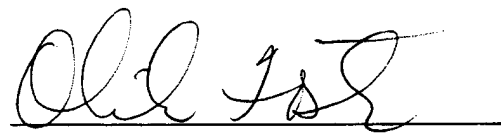
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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 #172E Separator Pit Grab Samples.


Analyst


Review