

1000 Rio Bravo Rd. Aztec, NM

Sept: + B1030

Date Remediation Started: _____

Date Completed: 8-9-02

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.

Bedrock Bottom

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit

Sample location see Attached Documents

Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 5' (Test hole bottom)

Sample date 8-8-02 Sample time 0710

Sample Results

Soil: Benzene	(ppm) <u>0.0368</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>2.050</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>248.8</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>885</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 8-9-02 PRINTED NAME Jeffrey C. Blagg

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

3004501883

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>81030</u> C.O.C. NO: <u>10081</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: GCU WELL #: 135 TYPE: SEP.
 QUAD/UNIT: F SEC: 26 TWP: 29N RNG: 13W PM2M CNTY: SJ ST: NM
 QTR/FOOTAGE: 1545'N/2070'W JELM CONTRACTOR: L & L (SCOTT)

PAGE No: 1 of 1
 DATE STARTED: 8/8/02
 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: RANGE-BURN LEASE: NM078391C FORMATION: OK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 153 FT. N83E FROM WELLHEAD.
 DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
 NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM
 SOIL AND EXCAVATION ELEV. 5812
 DESCRIPTION: DVM CALIB. READ. 54.1 ppm
 DVM CALIB. GAS = 100 ppm RF = 0.52
 TIME: 7:12 am/pm DATE: 8/8/02

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER GEOROCK (SANDSTONE)
 SOIL COLOR: MED. GRAY GEOROCK - 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 - ENTIRE PIT AREA & GEOROCK SURFACE.
 HC ODOR DETECTED: YES / NO EXPLANATION - PIT AREA & OVM SAMPLE
 SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. _____
 ADDITIONAL COMMENTS: COLLECTED SAMPLE FROM GEOROCK. GEOROCK - VERY HARD, COMPETENT.
INSTRUCTED OPERATOR TO MIX DISCOLORED SOIL WITH NON IMPACTED SOIL & PLACE BACK INTO PIT AREA.

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE

 0 FT

PIT PERIMETER ↑ N

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 5'	248.8
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 5'	TPH (80158)	0710
"	BTEX (80218)	"

BOTH PASSED

PIT PROFILE

NOT APPLICABLE

TRAVEL NOTES: CALLOUT: 8/7/02 - AFTER. ONSITE: 8/7/02 - AFTER. 8/8/02 - MORN.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

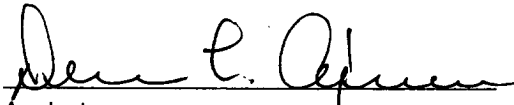
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 6'	Date Reported:	08-09-02
Laboratory Number:	23505	Date Sampled:	08-08-02
Chain of Custody No:	10081	Date Received:	08-08-02
Sample Matrix:	Soil	Date Extracted:	08-09-02
Preservative:	Cool	Date Analyzed:	08-09-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

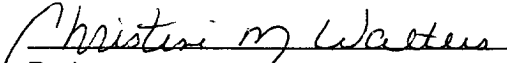
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	113	0.2
Diesel Range (C10 - C28)	772	0.1
Total Petroleum Hydrocarbons	885	0.2

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 #135 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 @ 6'	Date Reported:	08-09-02
Laboratory Number:	23505	Date Sampled:	08-08-02
Chain of Custody:	10081	Date Received:	08-08-02
Sample Matrix:	Soil	Date Analyzed:	08-09-02
Preservative:	Cool	Date Extracted:	08-09-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	36.8	1.8
Toluene	217	1.7
Ethylbenzene	212	1.5
p,m-Xylene	1,280	2.2
o-Xylene	302	1.0
Total BTEX	2,050	

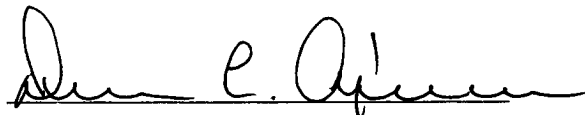
ND - Parameter not detected at the stated detection limit.

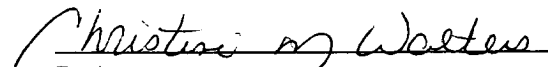
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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 #135 Separator Pit Grab Sample.


Analyst


Review