

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM
District III
1000 Rio Brazo Rd., Aztec, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

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

81001

OK
RECEIVED
JAN 17 2001
OIL CON. DIV.
DIST. 3
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

30-045-08725

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

Address: 200 ENERGY COURT, FARMINGTON, NM 87401

Facility or Well Name: GCN #134

Location: Unit or Qtr/Qtr Sec M Sec 17 T 29N R 12W County San Juan

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒, State ☐, Fee ☐, Other (NEAR RESIDENTIAL)

Pit Location:
(Attach diagram)

Pit dimensions: length NA, width NA, depth NA

Reference: wellhead ☒, other ☐

Footage from reference: 160'

Direction from reference: 14 Degrees ☒ East ☒ North
of
☐ 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

B1001

Date Remediation Started: _____

Date Completed: 9/10/02

Remediation Method:

Excavation XApprox. cubic yards NA ⁷¹⁵ 5560

(Check all appropriate sections)

Landfarmed X ⁷¹⁵

Insitu Bioremediation _____

Other CLOSE AS IS ⁷¹⁵

Remediation Location:

Onsite X ⁷¹⁵ Offsite X BP CROWN MESA FACILITY.

(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation. Test hole advanced. No remediation necessary. ⁷¹⁵

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 MULTIPLE SAMPLESSample depth 25' (Test hole bottom) ⁷¹⁵ EAST SIDEWALLSample date 8/26/02 Sample time 1106

Sample Results

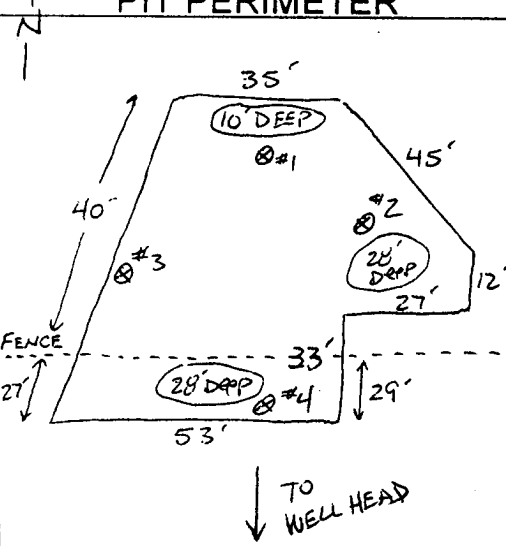
Soil: Benzene	(ppm) <u>0.0021</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>1.301</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>164</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>16.4</u>	Total Xylenes	(ppb) _____

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 9/10/02 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>B1001</u> C.D.C. NO: <u>10021</u>																																
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>2</u>																																
LOCATION: NAME: <u>GCU</u> WELL #: <u>134</u> TYPE: <u>SEP</u>		DATE STARTED: <u>6-20-02</u> DATE FINISHED: <u>6-20-02</u>																																
QUAD/UNIT: <u>M SEC: 17 TWP: 29N RNG: 12W PM: NM CNTY: SJST: NM</u>		ENVIRONMENTAL SPECIALIST: <u>JCS</u>																																
QTR/FOOTAGE: <u>375'S/345'W</u> SWSW CONTRACTOR: <u>FINT (WIL)</u>																																		
EXCAVATION APPROX. <u>12</u> FT. x <u>12</u> FT. x <u>3</u> FT. DEEP. CUBIC YARDAGE: <u>5</u>																																		
DISPOSAL FACILITY: <u>ONSITE</u> REMEDIATION METHOD: <u>L.F.</u>																																		
LAND USE: <u>RESIDENTIAL (BLM)</u> LEASE: <u>CA 89200844 F</u> FORMATION: <u>DK</u>																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>150</u> FT. <u>N14°E</u> FROM WELLHEAD.																																		
DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u>																																		
NMCD RANKING SCORE: <u>0</u> NMCD TPH CLOSURE STD: <u>5000</u> PPM																																		
SOIL AND EXCAVATION DESCRIPTION:		DVM CALIB. READ: <u>130.0</u> ppm DVM CALIB. GAS = <u>280</u> ppm RF = 0.52 TIME: <u>0910</u> am/pm DATE: <u>6-20-02</u>																																
SOIL TYPE: SAND / <u>SILTY SAND</u> / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>S.S. Bedrock @ 3'</u>																																		
SOIL COLOR: <u>ORANGE TAN</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: <u>DRY</u> / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED																																		
DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - <u>MINOR</u>																																		
HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>MINOR</u>																																		
SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. <u>1</u>																																		
ADDITIONAL COMMENTS: <u>USE BACKHOE TO CLEAN OUT PIT TO Sandstone</u> <u>Bedrock @ 3' BGS</u>																																		
SCALE 0 FT FIELD 418.1 CALCULATIONS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMPLE I.D.</th> <th>LAB No:</th> <th>WEIGHT (g)</th> <th>mL. FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. ppm</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																								
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TRAVEL NOTES: CALLOUT: <u>6-19-02 1330</u> ONSITE: <u>6-20-02 0900</u>																																		

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EXCAVATION APPROX. <u>67</u> FT. x <u>80</u> FT. x <u>28</u> FT. DEEP. CUBIC YARDAGE: <u>5560±</u> DISPOSAL FACILITY: <u>CROUCH MESA L-F.</u> REMEDIATION METHOD: <u>EXCAVATE</u> LAND USE: <u>RESIDENTIAL</u> LEASE: <u>NM078391C</u> FORMATION: <u>DK</u>																																																		
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TRAVEL NOTES: CALLOUT: <u>VARIOUS</u> ONSITE: <u>VARIOUS</u>																																																		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

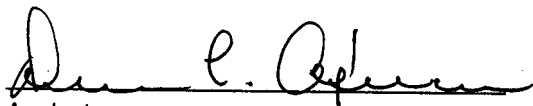
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Separator C @ 3'	Date Reported:	06-24-02
Laboratory Number:	23112	Date Sampled:	06-20-02
Chain of Custody No:	10021	Date Received:	06-20-02
Sample Matrix:	Soil	Date Extracted:	06-20-02
Preservative:	Cool	Date Analyzed:	06-24-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

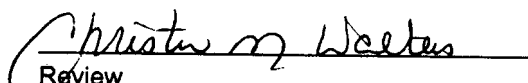
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	412	0.2
Diesel Range (C10 - C28)	17.6	0.1
Total Petroleum Hydrocarbons	430	0.2

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 134.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Separator C @ 3'	Date Reported:	06-24-02
Laboratory Number:	23112	Date Sampled:	06-20-02
Chain of Custody:	10021	Date Received:	06-20-02
Sample Matrix:	Soil	Date Analyzed:	06-24-02
Preservative:	Cool	Date Extracted:	06-20-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	19.0	1.7
Ethylbenzene	118	1.5
p,m-Xylene	846	2.2
o-Xylene	310	1.0
Total BTEX	1,290	

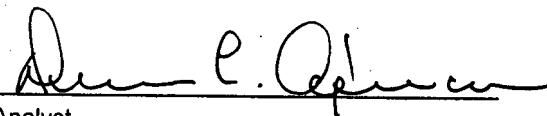
ND - Parameter not detected at the stated detection limit.

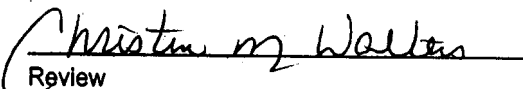
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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 134.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

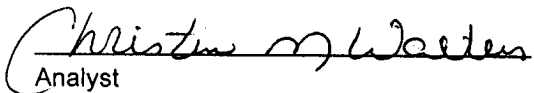
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Sep E @ 25'	Date Reported:	08-29-02
Laboratory Number:	23651	Date Sampled:	08-26-02
Chain of Custody No:	10153	Date Received:	08-27-02
Sample Matrix:	Soil	Date Extracted:	08-27-02
Preservative:	Cool	Date Analyzed:	08-28-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

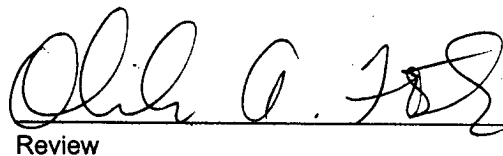
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.0	0.2
Diesel Range (C10 - C28)	12.4	0.1
Total Petroleum Hydrocarbons	16.4	0.2

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 #134.


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Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Sep E @ 25'	Date Reported:	08-29-02
Laboratory Number:	23651	Date Sampled:	08-26-02
Chain of Custody:	10153	Date Received:	08-27-02
Sample Matrix:	Soil	Date Analyzed:	08-28-02
Preservative:	Cool	Date Extracted:	08-27-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2.1	1.8
Toluene	87.7	1.7
Ethylbenzene	58.9	1.5
p,m-Xylene	675	2.2
o-Xylene	207	1.0
Total BTEX	1,301	

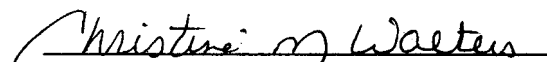
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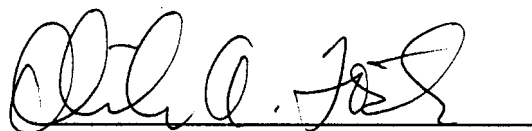
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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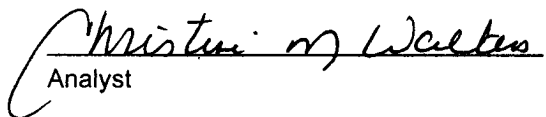
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Sep N @ 10'	Date Reported:	09-06-02
Laboratory Number:	23741	Date Sampled:	08-29-02
Chain of Custody No:	10213	Date Received:	09-03-02
Sample Matrix:	Soil	Date Extracted:	09-03-02
Preservative:	Cool	Date Analyzed:	09-05-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

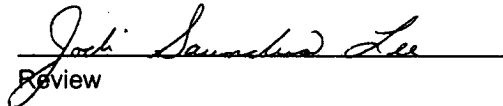
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	8.6	0.1
Total Petroleum Hydrocarbons	8.6	0.2

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 134.**


Analyst


Review