

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

OK 81001
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OIL CON. DIV.
DIST. 3

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

PIT REMEDIATION AND CLOSURE REPORT

30-045-08225

Operator: BP AMERICA PRODUCTION CO. Telephone: (505) 326-9200
Address: 200 ENERGY COURT, FARMINGTON, NM 87401
Facility or Well Name: GCM #134
Location: Unit or Qtr/Qtr Sec M Sec 17 T 29N R 12W County San Juan
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM X, State , Fee , Other (NEAR RESIDENTIAL)

Pit Location: (Attach diagram) Pit dimensions: length NA, width NA, depth NA
Reference: wellhead X, other
Footage from reference: 345'
Direction from reference: 4 Degrees East 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) 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: 9/10/02

Remediation Method:

(Check all appropriate sections)

Excavation XApprox. cubic yards NA ^{nv} 1800Landfarmed X ^{nv}

Insitu Bioremediation _____

Other CLOSE AS IS. ^{nv}

Remediation Location:

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

Onsite X ^{nv} Offsite X BP CROWN MESA FACILITY.General Description of Remedial Action: Excavation. Test hole advanced. No remediation necessary. ^{nv}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 DocumentsSample depth 11' (Test hole bottom) ^{nv} WEST SIDEWALLSample date 7/31/02 Sample time 1455

Sample Results

Soil: Benzene	(ppm) <u>0.155</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>3.800</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>126</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>21.1</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>81001</u> COCR NO: <u>10131</u> <u>10133</u> <u>10150</u>																																																																																								
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																																																																								
LOCATION: NAME: <u>GCU</u> WELL #: <u>134</u> TYPE: <u>BLOW</u> QUAD/UNIT: <u>M</u> SEC: <u>17</u> TWP: <u>29N</u> RNG: <u>12W</u> PM: <u>NM</u> CNTY: <u>SS</u> ST: <u>NM</u> QTR/FOOTAGE: <u>875'S / 845'W</u> SUTSW CONTRACTOR: <u>PAUL & SON</u>		DATE STARTED: <u>7/25/02</u> DATE FINISHED: <u>8/10/02</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																																																																								
EXCAVATION APPROX. <u>60</u> FT. x <u>55</u> FT. x <u>15</u> FT. DEEP. CUBIC YARDAGE: <u>1800 ±</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>																																																																																										
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>345</u> FT. <u>N40°W</u> FROM WELLHEAD.																																																																																										
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>100'</u> NEAREST SURFACE WATER: <u>>100'</u>																																																																																										
NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM																																																																																										
SOIL AND EXCAVATION DESCRIPTION:		OVM CALIB. READ. = <u>181.0</u> ppm OVM CALIB. GAS = <u>250</u> ppm RF = 0.52 TIME: <u>0750</u> am/pm DATE: <u>8/5/02</u>																																																																																								
SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK 11'-15' BGS</u> SOIL COLOR: <u>yellow TAN</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE / <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: <u>DRY</u> / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: YES / <u>NO</u> EXPLANATION - HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>MINOR</u> SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. ADDITIONAL COMMENTS: <u>EXCAVATED TO REMOVE ALL ODORS DUE TO RESIDENTIAL LOCATION</u>																																																																																										
FIELD 418.1 CALCULATIONS																																																																																										
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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

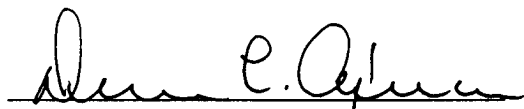
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	S @ 15'	Date Reported:	07-31-02
Laboratory Number:	23434	Date Sampled:	07-31-02
Chain of Custody No:	10131	Date Received:	07-31-02
Sample Matrix:	Soil	Date Extracted:	07-31-02
Preservative:	Cool	Date Analyzed:	07-31-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

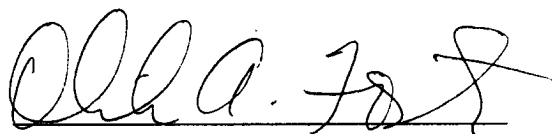
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.3	0.2
Diesel Range (C10 - C28)	1.5	0.1
Total Petroleum Hydrocarbons	1.8	0.2

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 134 - Blow.


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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:	E @ 15'	Date Reported:	07-31-02
Laboratory Number:	23433	Date Sampled:	07-31-02
Chain of Custody No:	10131	Date Received:	07-31-02
Sample Matrix:	Soil	Date Extracted:	07-31-02
Preservative:	Cool	Date Analyzed:	07-31-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

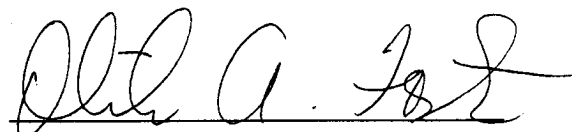
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	1.5	0.1
Total Petroleum Hydrocarbons	1.5	0.2

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 - Blow.


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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	NW @ 11'	Date Reported:	08-01-02
Laboratory Number:	23439	Date Sampled:	07-31-02
Chain of Custody No:	10133	Date Received:	08-01-02
Sample Matrix:	Soil	Date Extracted:	08-01-02
Preservative:	Cool	Date Analyzed:	08-01-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

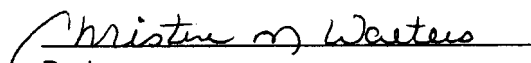
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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.

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

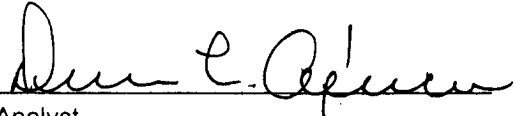
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	W @ 11'	Date Reported:	08-01-02
Laboratory Number:	23440	Date Sampled:	07-31-02
Chain of Custody No:	10133	Date Received:	08-01-02
Sample Matrix:	Soil	Date Extracted:	08-01-02
Preservative:	Cool	Date Analyzed:	08-01-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

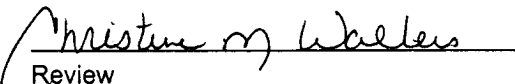
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	15.5	0.2
Diesel Range (C10 - C28)	5.6	0.1
Total Petroleum Hydrocarbons	21.1	0.2

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 - Blow.


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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	W @ 11'	Date Reported:	08-01-02
Laboratory Number:	23440	Date Sampled:	07-31-02
Chain of Custody:	10133	Date Received:	08-01-02
Sample Matrix:	Soil	Date Analyzed:	08-01-02
Preservative:	Cool	Date Extracted:	08-01-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	155	1.8
Toluene	624	1.7
Ethylbenzene	348	1.5
p,m-Xylene	1,940	2.2
o-Xylene	732	1.0
Total BTEX	3,800	

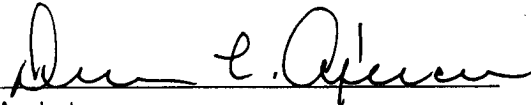
ND - Parameter not detected at the stated detection limit.

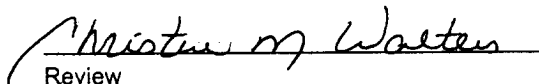
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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 134 - Blow.


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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

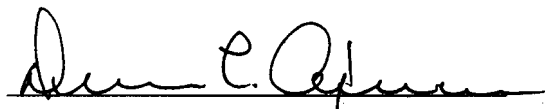
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	C @ 13'	Date Reported:	08-06-02
Laboratory Number:	23469	Date Sampled:	08-05-02
Chain of Custody No:	10150	Date Received:	08-05-02
Sample Matrix:	Soil	Date Extracted:	08-05-02
Preservative:	Cool	Date Analyzed:	08-06-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

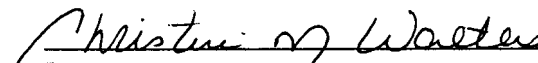
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	6.4	0.1
Total Petroleum Hydrocarbons	6.4	0.2

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 - Blow.


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