

District I

P.O. Box 1980, Hobbs, NM

District II

Lawyer 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

OK 3070

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

PIT REMEDIATION AND CLOSURE REPORT

30-045-07988

RECEIVED
JAN 17 2002
OIL CON. DIV.
DIST. 3

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

Address: 300 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: GCU #111

Location: Unit or Qtr/Qtr Sec K Sec 20 T 24N R 12W County San Juan

Pit Type: Separator Dehydrator ☒ Other

Land Type: BLM KAG ☒ State , Fee ☒ Other

Pit Location:
(Attach diagram)

Pit dimensions: length NA, width NA, depth NA

Reference: wellhead X, other

Footage from reference: 111'

Direction from reference: 50 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)	<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

Dehy Pit 30970

Date Remediation Started: _____

Date Completed: 5-17-02

Remediation Method:

Excavation X

Approx. cubic yards NA

(Check all appropriate sections)

Landfarmed _____

In situ 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.

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 13' (Test hole bottom)

Sample date 5-15-02 Sample time 0815

Sample Results

Soil: Benzene	(ppm) <u>ND</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>2.200</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>211</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>815</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 5-17-02 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>80970</u> C.O.C. NO: <u>9045</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>GCU</u> WELL #: <u>111</u> TYPE: <u>DEHP</u>	DATE STARTED: <u>5-15-02</u> DATE FINISHED: <u>5-15-02</u>
QUAD/UNIT: <u>K SEC: 20 TWP: 29N RNG: 12W PM: NM CNTY: SJ ST: NM</u>	ENVIRONMENTAL SPECIALIST: <u>JCB</u>
QTR/FOOTAGE: <u>1450'S/1635'W NELS</u> CONTRACTOR: <u>FLINT (MIKE)</u>	

EXCAVATION APPROX. <u>15</u> FT. x <u>15</u> FT. x <u>3</u> FT. DEEP. CUBIC YARDAGE: <u>0</u>	REMEDIALATION METHOD: <u>CLOSE AS IS</u>
DISPOSAL FACILITY: <u>NA</u>	FORMATION: <u>DK</u>
LAND USE: <u>RANGE</u>	LEASE: <u>AM 78391C (FEE)</u>

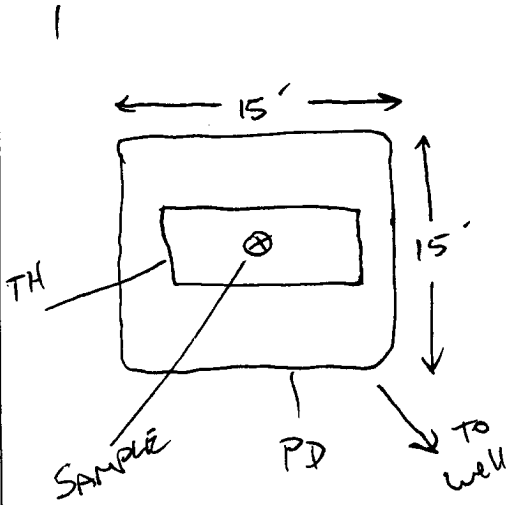
FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>111</u> FT. <u>N50°W</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>>100</u>	NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u>
NMOC D RANKING SCORE: <u>0</u>	NMOC D TPH CLOSURE STD: <u>5000</u> PPM

SOIL AND EXCAVATION DESCRIPTION:	DVM CALIB. READ: <u>131.1</u> ppm DVM CALIB. GAS = <u>250</u> ppm, RF = 0.52 TIME: <u>0950</u> am/pm DATE: <u>5-15-02</u>
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SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER
SOIL COLOR: <u>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): <u>NON PLASTIC</u> / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
DENSITY (COHESIVE CLAYS & SILTS): <u>SOFT</u> / FIRM / STIFF / VERY STIFF / HARD
MOISTURE: <u>DRY</u> / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED
DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - <u>GRAY & BLACK</u>
HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>STRONG</u>
SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. <u>1</u>
ADDITIONAL COMMENTS: <u>USE BACKHUE TO DIG Test hole & SAMPLE</u> <u>RIVER ROCK & SAND. Location on hillside. Sandstone Bedrock</u> <u>Outcrops ~ 20' Below on hillside.</u>

SCALE	FIELD 418.1 CALCULATIONS							
0  FT	SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

PIT PERIMETER	PIT PROFILE
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	OVM RESULTS <table border="1"> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> <tr> <td>1 @ 13'</td> <td>211</td> </tr> <tr> <td>2 @</td> <td></td> </tr> <tr> <td>3 @</td> <td></td> </tr> <tr> <td>4 @</td> <td></td> </tr> <tr> <td>5 @</td> <td></td> </tr> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 @ 13'	211	2 @		3 @		4 @		5 @	
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<u>BOTH ROSED</u>													

TRAVEL NOTES:	CALLOUT: <u>5/14/02 0715</u>	ONSITE: <u>5/15/02 0800</u>
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

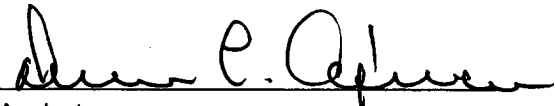
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Dehy C @ 13'	Date Reported:	05-17-02
Laboratory Number:	22731	Date Sampled:	05-15-02
Chain of Custody No:	9045	Date Received:	05-15-02
Sample Matrix:	Soil	Date Extracted:	05-16-02
Preservative:	Cool	Date Analyzed:	05-17-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

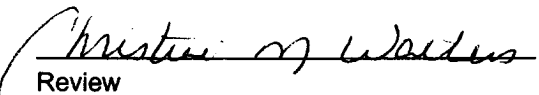
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	798	0.2
Diesel Range (C10 - C28)	17.3	0.1
Total Petroleum Hydrocarbons	815	0.2

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 111.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Dehy C @ 13'	Date Reported:	05-17-02
Laboratory Number:	22731	Date Sampled:	05-15-02
Chain of Custody:	9045	Date Received:	05-15-02
Sample Matrix:	Soil	Date Analyzed:	05-17-02
Preservative:	Cool	Date Extracted:	05-16-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	461	1.7
Ethylbenzene	296	1.5
p,m-Xylene	996	2.2
o-Xylene	447	1.0
Total BTEX	2,200	

ND - Parameter not detected at the stated detection limit.

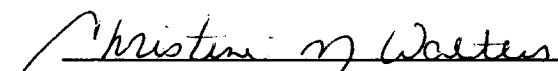
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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 111.


Analyst


Review