

District I
P.O. Box 1988, Hobbs, NM
District II
P.O. Box 1988, Hobbs, NM
District III
P.O. Box 1988, Hobbs, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Outside VA B137

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

PIT REMEDIATION AND CLOSURE REPORT

30 045-~~20006~~ 11621

Operator: BP AMERICA PRODUCTION CO. Telephone: (505) 326-9200
Address: 200 ENERGY COURT, FARMINGTON, NM 87401
Facility or Well Name: GCU # 216
Location: Unit or Qtr/Qtr Sec 7 Sec 14 T 28N R 12W 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: 130'
Direction from reference: 08 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) 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

Deh SEP Pit B1137

Date Remediation Started: _____ Date Completed: 2-3-03

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.

RISK ASSESSED. VERTICAL EXTENT NEEDED TO BE ESTABLISHED.
DOUBLE WALL STEEL TANK INSTALLED, REPLACING PREVIOUSLY EXISTING STEEL TANK.

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling: Sample location see Attached Documents
(If multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 8.5' (Test hole bottom)

Sample date 1-30-03 Sample time 1453

Sample Results

Soil: Benzene	(ppm) <u>0.0204</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>2.010</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>777</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>8960</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 2-3-03 PRINTED NAME Jeffrey C. Blagg

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

3004511621

CLIENT: <u>8P</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B1137</u> COCR NO: <u>10492</u>																													
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																													
LOCATION: NAME: <u>GCM</u> WELL #: <u>216</u> TYPE: <u>DEHY. / SEP.</u> QUAD/UNIT: <u>N</u> SEC: <u>14</u> TWP: <u>28N</u> RNG: <u>12W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1150'S / 1850'W</u> SE/SW CONTRACTOR: <u>FLINT (BEN)</u>		DATE STARTED: <u>1/30/03</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 - SURF. LSE. -</u> LEASE: <u>NM 078391C</u> FORMATION: <u>DK</u> <u>NAVAJO</u> <u>SE 078828A</u>																															
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>130</u> FT. <u>N88E</u> FROM WELLHEAD.																															
DEPTH TO GROUNDWATER: <u>2100'</u> NEAREST WATER SOURCE: <u>21000'</u> NEAREST SURFACE WATER: <u>21000'</u>																															
NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM																															
SOIL AND EXCAVATION DESCRIPTION:		OVM CALIB. READ. = <u>50.2</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>8:05</u> am/pm DATE: <u>1/29/03</u>																													
SOIL TYPE: <u>SAND</u> SILTY SAND / SILT / SILTY CLAY / CLAY / <u>GRAVEL</u> / OTHER _____ SOIL COLOR: <u>MOD. YEL. BROWN</u> → PIT SURFACE COHESION (ALL OTHERS): <u>NON COHESIVE</u> SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE / 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: DRY / <u>SLIGHTLY MOIST</u> <u>MOIST</u> WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: YES <u>NO</u> EXPLANATION: _____ HC ODOR DETECTED: <u>YES</u> NO EXPLANATION: <u>WITHIN PIT AREA & OVM SAMPLE</u> SAMPLE TYPE: <u>GRAB</u> COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>SINGLE WALL STEEL TANK REMOVED PRIOR TO SAMPLING. REPAIRING TANK WITH DOUBLE WALL STEEL TANK. VERTICAL EXTENT NEEDS TO BE ESTABLISHED.</u> <u>ALF</u>																															
FIELD 418.1 CALCULATIONS																															
SCALE 0 FT	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMP. ID</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> </tbody> </table>							SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																
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TRAVEL NOTES: CALLOUT: <u>1/30/03 - AFTER.</u> ONSITE: <u>1/30/03 - AFTER.</u>																															

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP
Sample ID: 1 @ 8.5'
Laboratory Number: 24704
Chain of Custody No: 10492
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 94034-010
Date Reported: 02-03-03
Date Sampled: 01-30-03
Date Received: 01-31-03
Date Extracted: 01-31-03
Date Analyzed: 02-03-03
Analysis Requested: 8015 TPH

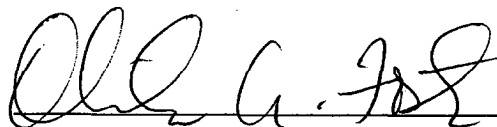
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2,730	0.2
Diesel Range (C10 - C28)	6,230	0.1
Total Petroleum Hydrocarbons	8,960	0.2

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 #216 Dehydrator/Separator Pit Grab Sample.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Blagg / BP
Sample ID: 1 @ 8.5'
Laboratory Number: 24704
Chain of Custody: 10492
Sample Matrix: Soil
Preservative: Cool
Condition: Cool & Intact

Project #: 94034-010
Date Reported: 02-03-03
Date Sampled: 01-30-03
Date Received: 01-31-03
Date Analyzed: 02-03-03
Date Extracted: 01-31-03
Analysis Requested: BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	20.4	1.8
Toluene	301	1.7
Ethylbenzene	347	1.5
p,m-Xylene	758	2.2
o-Xylene	583	1.0
Total BTEX	2,010	

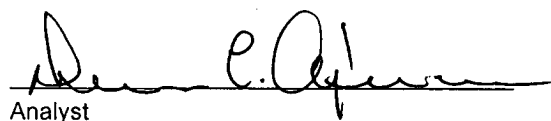
ND - Parameter not detected at the stated detection limit.

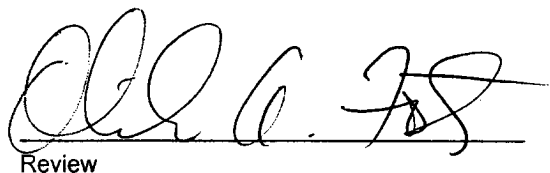
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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 #216 Dehydrator Separator Pit Grab Sample.


Analyst


Review