

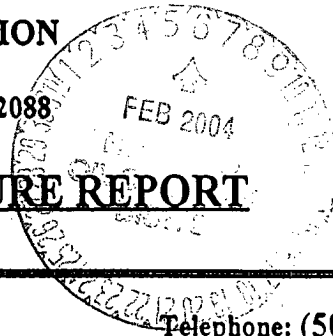
District I
P.O. Box 1988, Hobbs, NM
District II
Drawer DD, Artesia, NM
District III
1000 Rio Bravo Rd., Altec, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

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

81253
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT



30-045-24957

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

Address: 200 ENERGY COURT, FARMINGTON, NM 87401

Facility or Well Name: GEU #164E

Location: Unit or Qtr/Qtr Sec C Sec 35 T 29N R 13W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other ☐

Land Type: BLM X, State ☐, Fee ☐, Other ☐

Pit Location:
(Attach diagram)

Pit dimensions: length NA, width NA, depth NA

Reference: wellhead X, other ☐

Footage from reference: 144'

Direction from reference: 32 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

Dehy B1253

Date Remediation Started: _____ Date Completed: 7-24-03

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.
Bedrock Bottom

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 5' (Test hole bottom)

Sample date 7-23-03 Sample time 1700

Sample Results

Soil: Benzene	(ppm) <u>0.0268</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>3.740</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>212</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>714</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 7-24-03 PRINTED NAME Jeffrey C. Blagg

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

CLIENT: BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: 81253

COCR NO: 11173

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: GCU WELL #: 164E TYPE: DEHY
QUAD/UNIT: C SEC: 35 TWP: 29N RNG: 12W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 990'N/1580'W NELNW CONTRACTOR: FLINT (BEN)

DATE STARTED: 7-23-03
DATE FINISHED: 7-23-03

ENVIRONMENTAL
SPECIALIST: JCB

~~EXCAVATION~~ APPROX. 15 FT. x 15 FT. x 3 FT. DEEP. CUBIC YARDAGE: 0

DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS IS

LAND USE: RANGE - FGE LEASE: SF-078926 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 144 FT. S 32° E FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000

NMOC Ranking Score: 0 NMOC TPH Closure Std: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 53.0 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 7-23-03 am/pm DATE: 1615

SOIL TYPE: SAND SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER RED ROCK SANDSTONE @ 3' BG
SOIL COLOR:

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 - Minor Gray to Blue @ Bedrock Surface
HC ODOR DETECTED: YES/NO EXPLANATION - MODERATE

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS.

ADDITIONAL COMMENTS: EARTHEN PIT BACKFILLED @ WELL PXA. PIT LOCATION EVIDENT BY MEASUREMENT & SURFACE DEPRESSION SUBSIDENCE. USE BACKHOE TO DIG TEST TRENCH. MINOR BLUE/GRAY STREAKING @ BEDROCK SURFACE.

FIELD 418.1 CALCULATIONS

SCALE



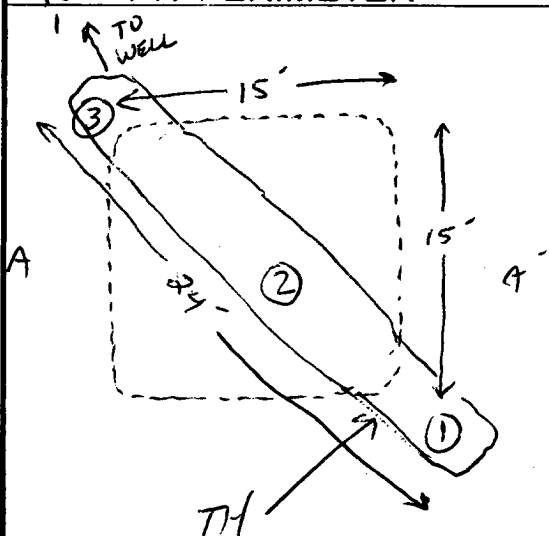
0 FT

12

PIT PERIMETER

SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

PIT PROFILE



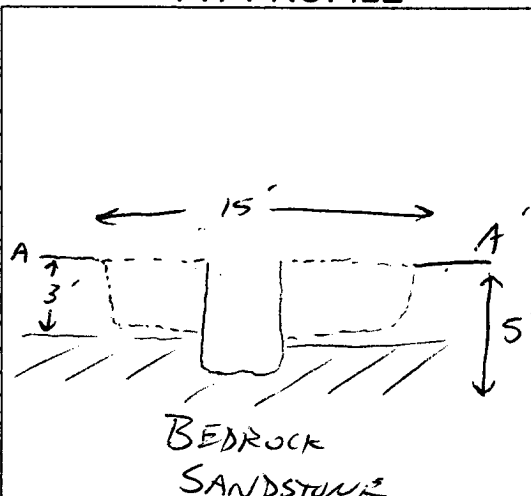
OVM
READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 4'	3.2
2 @ 5'	212
3 @ 4'	17.3
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
② 05	TP4/BTex	1700

BOTH PASSED



P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW
T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM

TRAVEL NOTES:

CALLOUT: 7/23/03 1510

ONSITE: 7/23/03 1610

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

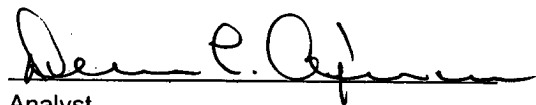
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Dehy #2 @ 5'	Date Reported:	07-24-03
Laboratory Number:	26159	Date Sampled:	07-23-03
Chain of Custody No:	11173	Date Received:	07-24-03
Sample Matrix:	Soil	Date Extracted:	07-24-03
Preservative:	Cool	Date Analyzed:	07-24-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

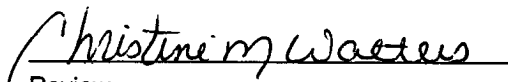
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	263	0.2
Diesel Range (C10 - C28)	451	0.1
Total Petroleum Hydrocarbons	714	0.2

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 164 E.**


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 #2 @ 5'	Date Reported:	07-24-03
Laboratory Number:	26159	Date Sampled:	07-23-03
Chain of Custody:	11173	Date Received:	07-24-03
Sample Matrix:	Soil	Date Analyzed:	07-24-03
Preservative:	Cool	Date Extracted:	07-24-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	26.8	1.8
Toluene	298	1.7
Ethylbenzene	622	1.5
p,m-Xylene	1,940	2.2
o-Xylene	852	1.0
Total BTEX	3,740	

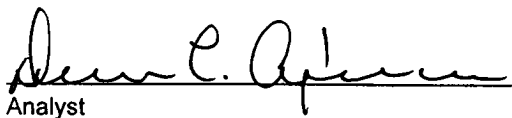
ND - Parameter not detected at the stated detection limit.

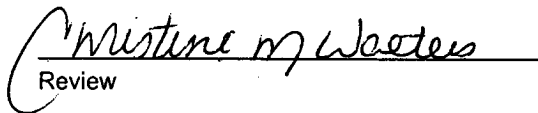
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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 164 E.


Analyst


Review