

District I

P.O. Box 1980 Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM 88211

District III

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department**OIL CONSERVATION DIVISION**P.O. Box 2088
Santa Fe, New Mexico 87504-2088SUBMIT 1 COPY
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE
DEPUTY OIL & GAS INSPECTOR

(Revised 3/9/94)

OCT 31 1995

PIT REMEDIATION AND CLOSURE REPORT**Operator:** BHP PETROLEUM (AMERICAS) INC. **Telephone:** (505)327-1639**Address:** P.O. BOX 977 FARMINGTON, N.M. 87499**Facility Or:** FEDERAL GAS COM. #1-A
Well Name**Location:** Unit or Qtr/Qtr Sec SE/NW Sec 20 T 32NR 12W County SAN JUAN**Pit Type:** Separator Dehydrator Other EMERGENCY PIT**Land Type:** BLM, State, Fee X, Other**Pit Location:** Pit dimensions: length 14', width 14', depth 2'
(Attach diagram)**Reference:** wellhead X, other**Footage from reference:** 80'**Direction from reference:** Degrees East North X
of
West South**Depth To Ground Water:**(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)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 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 10

BANKING SCORE (TOTAL POINTS)

10

Date Remediation Started: 7-28-95 Date Completed: 9-21-95

Remediation Method: Excavation _____ Approx. cubic yards 65
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

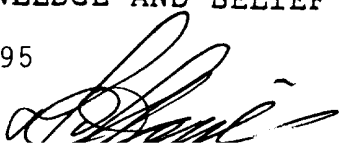
Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: EXCAVATED APPROX. 5' DEPTH OF BOTTOM
AND 2' OF SIDE WALLS, REMOVED ALL CONTAMINATED SOIL, SOIL FROM THE PIT WAS
THEN SPREAD ON LOCATION FROM 4" TO 6" DEEP TO LAND FARM, WE THEN DILUTED WITH
CLEAN SOIL TO BELOW THE SPECIFIC REMEDIATION LEVEL OF TPH 1000 PPM, PIT WAS
THEN CLOSED BY BACKFILLING AND CONTOURING. BHP TERMINATED REMEDIAL ACTION AFTER
A FINAL COMPOSITE SOIL SAMPLE WAS TAKEN AND ANALIZED TO DOCUMENT SUCCESSFUL
REMEDATION HAD OCCURED. THE REMEDIATED SOIL WAS THEN USED TO SHAPE THE
Ground Water Encountered: No ☒ Yes _____ Depth _____ EXCAVATION.

Final Pit: Sample location PIT- NORTH WALL, SOUTH WALL, EAST WALL AND
Closure Sampling: THE WEST WALL, CENTER OF PIT. 3 SAMPLES FROM FILL SOIL.
(if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth _____
Sample date 9-14-95 Sample time 3:00 P.M.

Sample Results
Benzene(ppm) _____
Total BTEX(ppm) _____
Field headspace(ppm) _____
TPH _____

Ground Water Sample: Yes _____ No ☒ (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 9-25-95
SIGNATURE  PRINTED NAME J.C. HARRIS PRODUCTION SUPT.
AND TITLE

FEDERAL GAS COM. # 1-A

CONTRACTORS LIST

L.B.H. CONSTRUCTION

P.O. BOX 213

AZTEC, NEW MEXICO

87410

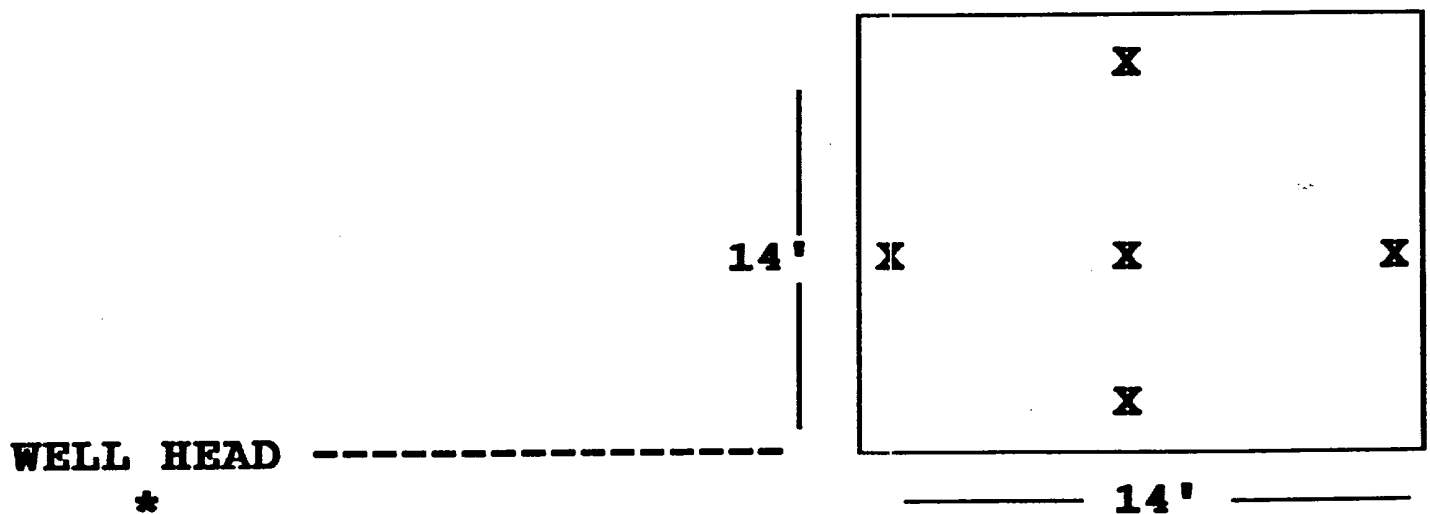
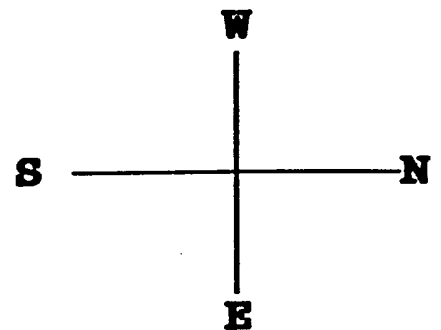
PIT CLOSURE REPORT

FEDERAL GAS COM. # 1-A

FEE

1600' FNL 1690' FWL

SEC 20 - T32N - R12W



TOTAL PETROLEUM HYDROCARBONS

EPA Method 418.1

BHP Petroleum

Project ID: Fed. Gas Com #1A
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 09/18/95
Date Sampled: 09/14/95
Date Received: 09/14/95
Date Extracted: 09/15/95
Date Analyzed: 09/15/95

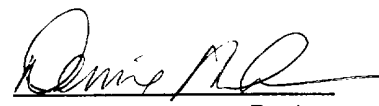
Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Pit Composite	1494	35.0	19.7
Landfarm Composite	1499	185	16.6

ND- Analyte not detected at the stated detection limit.

Reference: Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986;
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

Comments:


Analyst


Review

VOLATILE AROMATIC HYDROCARBONS

BHP Petroleum, Inc.

Project ID:	Fed. Gas Com. #1A	Report Date:	09/21/95
Sample ID:	Fill Dirt Composite	Date Sampled:	09/14/95
Lab ID:	1499	Date Received:	09/14/95
Sample Matrix:	Soil	Date Extracted:	09/20/95
Preservative:	Cool	Date Analyzed:	09/20/95
Condition:	Intact		

Target Analyte	Concentration (ug/kg)	Detection Limit (ug/kg)
Benzene	ND	30.4
Toluene	34.1	30.4
Ethylbenzene	40.1	30.4
m,p-Xylenes	152	60.8
o-Xylene	39.6	30.4


ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	102	81 -117%
	Bromofluorobenzene	96	74 -121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
Environmental Protection Agency, Final Update I, July, 1992.

Comments:


Analyst


Review

VOLATILE AROMATIC HYDROCARBONS

BHP Petroleum, Inc.

Project ID:	Fed. Gas Com. #1A	Report Date:	09/21/95
Sample ID:	Pit Composite	Date Sampled:	09/14/95
Lab ID:	1494	Date Received:	09/14/95
Sample Matrix:	Soil	Date Extracted:	09/20/95
Preservative:	Cool	Date Analyzed:	09/20/95
Condition:	Intact		

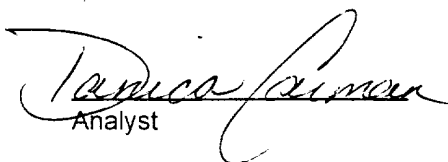
Target Analyte	Concentration (ug/kg)	Detection Limit (ug/kg)
Benzene	ND	20.6
Toluene	40.5	20.6
Ethylbenzene	55.5	20.6
m,p-Xylenes	217	41.1
o-Xylene	56.5	20.6


ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	102	81 -117%
	Bromofluorobenzene	97	74 -121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
Environmental Protection Agency, Final Update I, July, 1992.

Comments:


Analyst


Review

ANALYTICA

ENVIRONMENTAL LABORATORY

807 S. CARLTON • FARMINGTON, NM 87401 • (505) 326-2395

PROJECT MANAGER:

Analytica Lab I.D.:

Company:

Address:

Phone:

Fax:

Bill To:

Company:

Address:

Field Lab Con #1A

Sample ID Date Time Matrix Lab ID

Petroleum Hydrocarbons (418.1)	ORGANIC ANALYSES
Gasoline / Diesel (mod. 8015)	
Gasoline (GRO)	
Aromatic HCs BTEX/MTBE (602/8020)	
Chlorinated Hydrocarbons (8010)	
SDWA Volatiles (502.1/503.1)	
Chlorinated Pesticides / PCBs (608 / 8080)	
Herbicides (615 / 8150)	
Volatiles GC/MS (624 / 8240 / 8260)	
Base / Neutral / Acid GC/MS (625 / 8270)	
Polynuclear Aromatic Hydrocarbons (8100)	
TCLP Extraction	
Other (specify):	
Cation / Anion	
Specific Cations (specify):	
Specific Anions (specify):	
BOD / Fecal / Total Coliform	
Solids : TDS / TSS / SS	
Nutrients: NH4+ / NO2- / NO3- / TKN	
Oil and Grease	
Other (specify):	
	METALS
Priority Pollutants	
RCRA Metals (Total)	
RCRA Metals TCLP (1311)	
Other (specify):	
	COMMENTS

Contaminant Pit	9-14-95	3:00 PM														
Pit East Side																
Pit North Side																
Pit South Side																
Pit West Side																
Antenna Field Pit																
Antenna Field Pit																
North Side Field Pit																

Project Information		Sample Receipt		Sampled by:		Relinquished by:		Relinquished by:		Please Fill Out Thoroughly. Shaded areas for lab use only. White/Yellow: Analytica Pink: Client
Proj. #:	No. Containers:	8	Y / N / NA	Signature	Date:	Signature	Date:	Signature	Date:	
Proj Name: Ed. Co. Con. #1A	Custody Seals:			Signature	Date:	Signature	Date:	Signature	Date:	
P.O. No.	Received Intact:			Signature	Date:	Signature	Date:	Signature	Date:	
Shipped Via:	Received Cold			Signature	Date:	Signature	Date:	Signature	Date:	
Required Turnaround Time (Prior Authorization Required for Rush)				Received By:		Received By:		Received By:		
				Signature		Signature		Signature		
				Date:		Date:		Date:		
				Company:		Company:		Company:		
				Time:		Time:		Time:		

CHAIN OF CUSTODY

0744

Page 1 of 1

VOLATILE AROMATIC HYDROCARBONS

BHP Petroleum

Project ID:	Pits	Report Date:	07/03/95
Sample ID:	Fed. Gas Com #1A	Date Sampled:	06/23/95
Lab ID:	1163 - Composite	Date Received:	06/23/95
Sample Matrix:	Soil	Date Extracted:	06/30/95
Preservative:	Cool	Date Analyzed:	06/30/95
Condition:	Intact		

Target Analyte	Concentration (ug/kg)	Detection Limit (ug/kg)
Benzene	ND	22.7
Toluene	ND	22.7
Ethylbenzene	ND	22.7
m,p-Xylenes	106	45.5
o-Xylene	ND	22.7

RECEIVED
SEP 27 1995
POL. CON. DIV.
BML:3

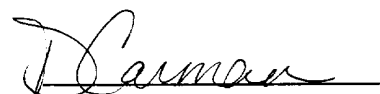
ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	103	81 -117%
	Bromofluorobenzene	102	74 -121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
Environmental Protection Agency, Final Update I, July, 1992.

Comments:


Analyst


Review

TOTAL PETROLEUM HYDROCARBONS

EPA Method 418.1

BHP Petroleum

Project ID: Pits
Sample Matrix: Soil
Preservative: Cool
Condition: Intact


Report Date: 07/03/95
Date Sampled: 06/23/95
Date Received: 06/23/95
Date Extracted: 06/30/95
Date Analyzed: 06/30/95

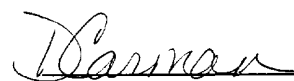
Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Fed Gas Com #1A	1163	26,900	2,490

ND- Analyte not detected at the stated detection limit.

Reference: Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986;
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

Comments:


Analyst *for Michelle Wilkins*


Review

