

Denny S. Faust
District I
DEPUTY OIL & GAS INSPECTOR
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer 511, Aztec, NM 87410
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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 87504-2088

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

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: Phillips Petroleum Company Telephone: (505) 599-3462

Address: 5525 Hwy. 64, NBU 3004, Farmington, NM 87401

Facility Or: San Juan 32 - 8 Unit # 49 PC
Well Name

Location: Unit or Qtr/Qtr Sec NENE Sec 15 T 32N R 8W County San Juan

Pit Type: Separator X Dehydrator _____ Other _____

Land Type: BLM X State _____ Fee _____ Other _____

Pit Location: Pit dimensions: Length 32 ft, width 24 ft, depth 9 ft
(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 54 ft

Direction from reference: 0 Degrees East North X
of
West South

Depth to Ground Water: 300 ft X Less than 50 feet (20 points)
(vertical distance from _____ 50 ft to 99 feet (10 points)
contaminants to seasonal _____ Greater than 100 feet (0 points) 0
highwater elevation of
ground water)

Wellhead Protection Area: OCT 31 1997
(less than 200 feet from a private _____ Yes (20 points)
domestic water source, or: less than X No (0 points) 0
1000 feet from all other water sources). **OIL CON. DIV.**

Distance to Surface Water: _____ Less than 200 feet (20 points)
(Horizontal distance to perennial _____ 200 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks, X Greater than 1000 feet (0 points) 0
irrigation canals and ditches.)

P:\pits\PrrC@WK3

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 6/9/94

Dated Completed: 10/14/94

Excavation X

Approx. cubic yards 125

Landfarmed X

Insitu Bioremediation _____

Other _____

Remediation Method:

Onsite X

Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action- The pit was assessed on 6/9/94 and determined to be outside NMOCD and BLM Guidelines. The pit was excavated and sampled on 8/9/94 and 9/21/94. The pit after excavation was determined to be within NMOCD and BLM Guidelines. The landfarm was sampled on 10/14/94 and was found to be within NMOCD and BLM guidelines. Based on this information and the physical location of the pit, there is no risk to human health or environment.

Ground Water 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 field pit closure reports

Sample depth 9' below ground level

Sample date 9/21/94

Sample time 12:35

Sample Results

Benzene(ppm) Non-Detect

Total BTEX (PPM) 0.49

Field Headspace (ppm) 777

TPH 160 ppm

Ground Water Sample: Yes

No X

(if yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETED TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE 10/27/97

PRINTED NAME Bob Wirtanen

SIGNATURE [Signature]

and TITLE Sr. Safety & Environmental Specialist

ENVIROTECH Inc.

Picture Cliffs

PIT NO: PA177

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

C.O.C. NO: 3725

FIELD REPORT: SITE ASSESSMENT

JOB No: 93163
PAGE No: 1 of 1

PROJECT: PIT ASSESSMENT
CLIENT: Phillips Petroleum
CONTRACTOR: ENVIROTECH, INC.
EQUIPMENT USED: Case Extend-a-Dig

DATE STARTED: 6/9/94
DATE FINISHED: 6/9/94
EIMRO. SPCLT: CLG
OPERATOR: Cimarron
ASSISTANT: KS

LOCATION: LEASE: San Juan 32-8 WELL: 49 PM Q# 810' FNL, 810' FEL (A)
SEC: 15 TWP: 32N RNG: 8W PM: NM CNTY: SJ STNM: PIT Separator (PC)

LAND USE: Range lease # SF-079353

SURFACE CONDITIONS: Earthen pit, dry, Slightly stained

PIT CENTER IS LOCATED APPROXIMATELY 65 FEET N15E OF WELLHEAD.

CLOSURE STD: 5,000

RANKING SCORE: 0

T1: Dark gray sand and silt, moist, odor

BTEX failed: Remediation recommended

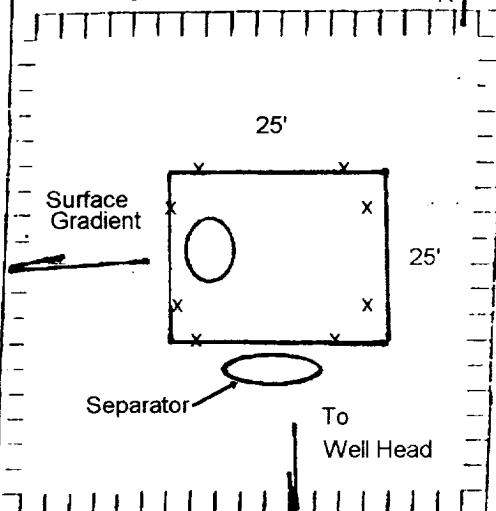
TEST HOLE LOGS

SAMPLE INVENTORY		
SAMPL. ID.	SAMPL. TYPE	LABORATORY ANALYSIS
T1@6'	Soil	448.1
		734x2=1468ppm
T1@6'	Soil	8020

SCALE

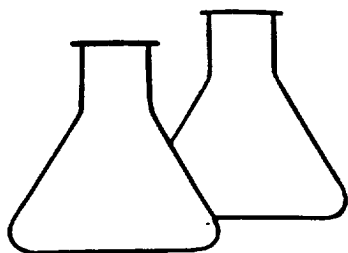


0 FEET
SITE DIAGRAM



TH# 1			TH#			TH#			TH#		
SOIL TYPE	SAMPL. TYPE	OVN/TYPE	SOIL TYPE	SAMPL. TYPE	OVN/TYPE	SOIL TYPE	SAMPL. TYPE	OVN/TYPE	SOIL TYPE	SAMPL. TYPE	OVN/TYPE
GD											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

Soil Type: 1 - Sand, 2 - Silty Sand, 3 - Clay, 4 - Silty Clay, 5 - Clay, 6 - Silty Clay, 7 - Sand, 8 - Silty Sand, 9 - Clay, 10 - Silty Clay, 11 - Clay, 12 - Silty Clay, 13 - Sand, 14 - Silty Sand



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5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	T1 @ 6'	Date Analyzed:	6-9-94
Project Location:	San Juan 32-8 #49PM	Date Reported:	6-13-94
Laboratory Number:	GAC0529	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	1468	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	11,000	12,600	14

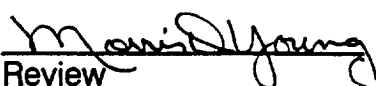
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

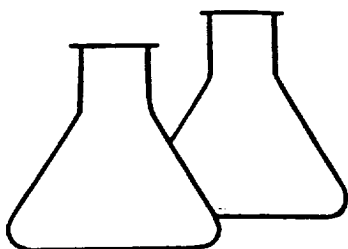
Comments: Separator Pit (Picture Cliffs) PA177



Analyst



Review



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Phillips	Project #:	93163
Sample ID:	T1 @ 6'	Date Reported:	06-13-94
Laboratory Number:	7579	Date Sampled:	06-09-94
Sample Matrix:	Soil	Date Received:	06-09-94
Preservative:	Cool	Date Extracted:	06-09-94
Condition:	Cool & Intact	Date Analyzed:	06-11-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1580	13.3
Toluene	94600	33.1
Ethylbenzene	6600	13.3
p,m-Xylene	19700	13.3
o-Xylene	73200	13

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

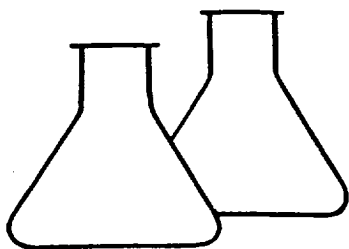
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: San Juan 32-8 49PM Sep Pit (pc) PA177.


Analyst


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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	06-01-94
Laboratory Number:	0611BTLB	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	06-11-94
Condition:	NA	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.5
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.2

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	95 %
	Bromofluorobenzene	89 %

Method: Method 5030A, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Robert M Young
Analyst

Marie D Young
Review

CHAIN OF CUSTODY RECORD

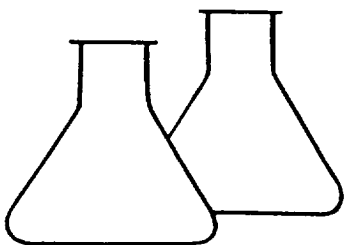
Client/Project Name		Project Location		ANALYSIS/PARAMETERS											
Phillips 93163		San Juan 32-8 49PM													
Sampler: (Signature)				Chain of Custody Tape No.		No. of Containers		BTEX (8020)						Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix											
T1 @ 6'	6/9/94	1100	7578	soil											soil pit (mv) PA176
T1 @ 6'	6/9/94	1135	7579	soil											soil pit (pc) PA177
Relinquished by: (Signature)				Date		Time		Received by: (Signature)		Date		Time			
Christie Gunther				6/9/94		1700		Robert Young		6/9/94		1700			
Relinquished by: (Signature)				Date		Time		Received by: (Signature)		Date		Time			
Relinquished by: (Signature)				Date		Time		Received by: (Signature)		Date		Time			

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615



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EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Phillips	Project #:	93163
Sample ID:	4 @ 9'	Date Reported:	09-23-94
Laboratory Number:	7905BTEX.	Date Sampled:	09-21-94
Sample Matrix:	Soil	Date Received:	09-21-94
Preservative:	Cool	Date Extracted:	09-22-94
Condition:	Cool & Intact	Date Analyzed:	09-22-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	13.3
Toluene	63	19.9
Ethylbenzene	291	19.9
p,m-Xylene	50	19.9
o-Xylene	84	19.9

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	119 %
	Bromofluorobenzene	116 %

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

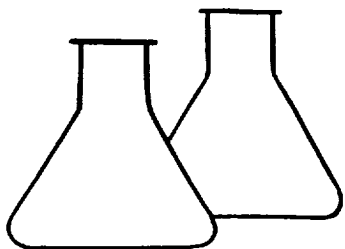
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: San Juan 32-8 # 49 PC

Rex D. Griffin
Analyst

Maris D. Young
Review



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	4 @ 9'	Date Analyzed:	9-21-94
Project Location:	San Juan 32-8 # 49 PC	Date Reported:	9-26-94
Laboratory Number:	GAC0779	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	160	10

ND = Not Detectable at stated detection limits.

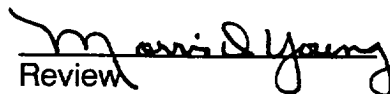
QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	126	142	12

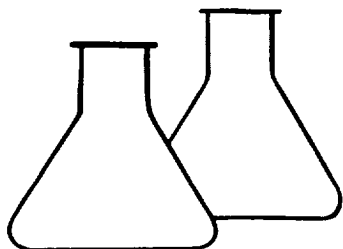
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit PA177


Analyst


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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	5 @ 9'	Date Analyzed:	9-21-94
Project Location:	San Juan 32-8 # 49 PC	Date Reported:	9-26-94
Laboratory Number:	GAC0780	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	618	10

ND = Not Detectable at stated detection limits.

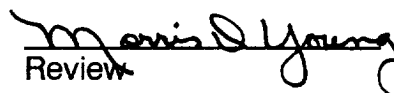
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	89	96	8

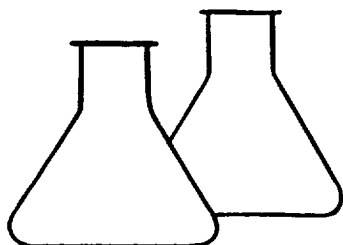
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit PA177


Analyst


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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	1 @ 9'	Date Analyzed:	9-21-94
Project Location:	San Juan 32-8 # 49 PC	Date Reported:	9-26-94
Laboratory Number:	GAC0781	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	152	10

ND = Not Detectable at stated detection limits.

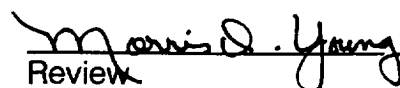
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	89	96	8

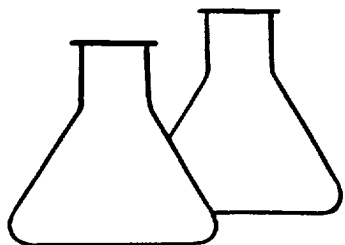
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit PA177


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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	2 @ 8'	Date Analyzed:	9-21-94
Project Location:	San Juan 32-8 # 49 PC	Date Reported:	9-26-94
Laboratory Number:	GAC0782	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	362	10

ND = Not Detectable at stated detection limits.

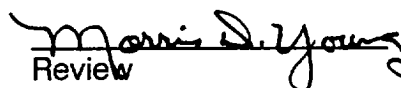
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	89	96	8

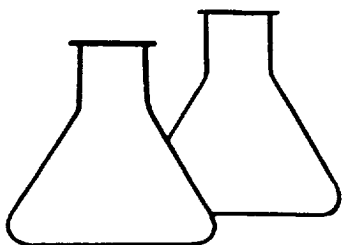
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit PA177


Analyst


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PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	3 @ 8'	Date Analyzed:	9-21-94
Project Location:	San Juan 32-8 # 49 PC	Date Reported:	9-26-94
Laboratory Number:	GAC0783	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	2,080	100

ND = Not Detectable at stated detection limits.

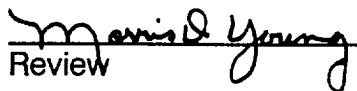
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	89	96	8

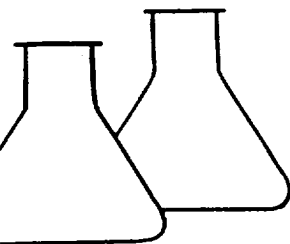
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit PA177


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PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	C1-LANDFARM	Date Analyzed:	10-14-94
Project Location:	San Juan 32-8 # 49 PC	Date Reported:	10-17-94
Laboratory Number:	GAC0838	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	141	10

ND = Not Detectable at stated detection limits.

A/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	98 *	96	1

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit PA177

P. Jack Collins
Analyst

Morris D. Young
Review