

Denny E. Faust
District I
P.O. Box 100, Aztec, NM 87410
DEPUTY OIL & GAS INSPECTOR

District II
P.O. Drawer DD, Aztec, NM 87410
District III
DEC 02 1997

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) 599-3400

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

Facility Or: San Juan 30-5 Unit # 84 PC

Well Name

Location: Unit or Qtr/Qtr Sec J NWSE Sec 33 T 30N R 5W County Rio Arriba

Pit Type: Separator X Dehydrator Other

Land Type: BLM X State Fee Other

Pit Location: Pit dimensions: Length 45 ft width 22 ft depth 6 ft

(Attach diagram)

Reference: wellhead X other

Footage from reference: 50 ft

Direction from reference: 45 Degrees East North
of
X West South X

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

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)
X 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)
X Greater than 1000 feet (0 points) 0

P:\pits\prrc@WK3

RANKING SCORE (TOTAL POINTS): 10

RECEIVED
AUG 28 1997
OIL CON. DIV.
DIST. 3

Date Remediation Started: 5/6/94

Date Completed: 10/24/94

Excavation X

Approx. cubic yards 166

Landfarmed X

Insitu Bioremediation _____

Other _____

Remediation Method: Onsite X

Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action : Based on the initial assessment, soils were excavated to a depth of 3 feet below the original pit bottom. The soils were landfarmed on location. The excavation tested clean on 8/16/94. The landfarm tested clean on 10/24/94. The landfarmed soils were then used to fill the excavation.

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 East wall

Sample depth 5.5 feet below ground level

Sample date 8/16/94

Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) 38.7

TPH 68

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 8/26/97

PRINTED NAME Bob Wirtanen

SIGNATURE RA Wirtanen

and TITLE Sr. Safety & Environmental Specialist

ENVIROTECH Inc.

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

PIT NO: PA148

C.O.C. NO: _____

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: 5-6-94
DATE FINISHED: 5-6-94
ENVR. SPCLT: REO
OPERATOR: CIMATTION
ASSISTANT: K.S.

LOCATION: LEASE: San Juan 30-5 WELL: #84 PC QD: 1730' FEL, 1840' FSL (J)
SEC: 33 TWP: 30N RNG: 5W PM: NM CNTY: R.A. ST: NM PIT: Sep.

LAND USE: Range -- Lease #SF-078739

SURFACE CONDITIONS: Earthen pit -- Yellow liquid in bottom -- Approx. 30'x50' Paraffin

PIT CENTER IS LOCATED APPROXIMATELY 50 FEET S. 45°W. OF WELLHEAD.

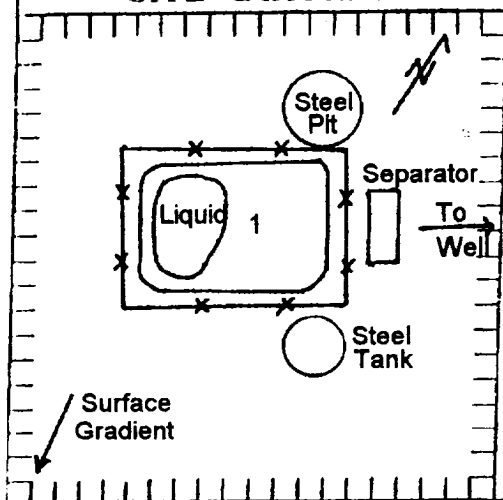
CLOSURE STD: 1000 ppm T1: Moist, gray-black, clayey silt --soft shale bottom
RANKING SCORE: 10 Recommend excavate top 2' to remediate surface oil and paraffin.

SAMPLE INVENTORY		
SMPL. ID.	SMPL. TYPE	LABORATORY ANALYSIS
T106	Soil	32 ppm

SCALE

0 10 20 FEET

SITE DIAGRAM

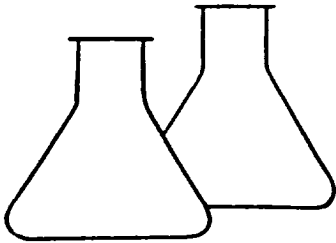


GAC#464 : 16 x 2 = 32

TEST HOLE LOGS

GD	TH# 1			TH#			TH#			TH#		
	SOIL TYPE	SAMPL. TYPE	OVN/TPH	SOIL TYPE	SAMPL. TYPE	OVN/TPH	SOIL TYPE	SAMPL. TYPE	OVN/TPH	SOIL TYPE	SAMPL. TYPE	OVN/TPH
1												
2												
3												
4												
5												
6	MC	GRB	89									
7	TD	=6'										
8												
9												
10												
11												
12												
13												
14												

SOIL TYPE: C - Clay, M - Silt, S - Sand, G - Gravel, Plant/Sp. L - None, W - Plastic, Reading: P - Points, W - Wet



ENVIROTECH LABS

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:	5-6-94
Project Location:	San Juan 30-5 #84 PC	Date Reported:	5-6-94
Laboratory Number:	GAC0464	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	32	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, PA148

R. E. O'Neil
Analyst

Maui D. Young
Review

PIT NO: PA148

C.O.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATION

93163

PAGE No: 1 of 1

LOCATION: NAME: San Juan 30-5 WELL #: 84 PC PIT: Sep.

DATE STARTED: 16 Aug 94

DATE FINISHED: 16 Aug 94

QUAD/UNIT: J SEC: 33 TWP: 30N RNG: 5W BM: NM CNTY: R.ASTNM

ENVIRONMENTAL SPECIALIST: FM

QTR/FOOTAGE: 1840' FSL & 1730' FEL CONTRACTOR: Cimarron

SOIL REMEDIATION: EXCAVATION APPROX. 45 FT. x 22 FT. x 6 FT. DEEP.

DISPOSAL FACILITY: Landfarm - On Site CUBIC YARDAGE:

LAND USE: Range LEASE: SF-078739

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 50 FEET S. 45°W. FROM WELLHEAD.

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

NMDCD RANKING SCORE: 10 NMDCD TPH CLOSURE STD: 1000PPM

SOIL AND EXCAVATION DESCRIPTION: Soil is slightly moist, gray, clayey silt

No odor

FIELD 418.1 CALCULATIONS

FIELD 418.1 CALCULATIONS						
SAMPLE I.D.	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
2 @ 5 1/2'	GAC664	10	20	1	34	68
Landfarm	GAC665	10	20	10	166	3320

1 cm = 10'
SCALE



Q

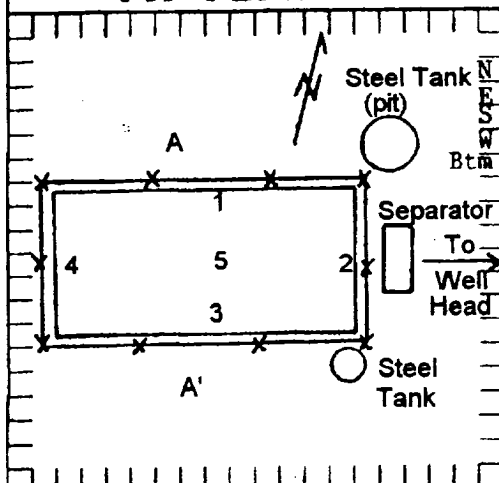
FEET

860 x 2 ==> dilution x 10

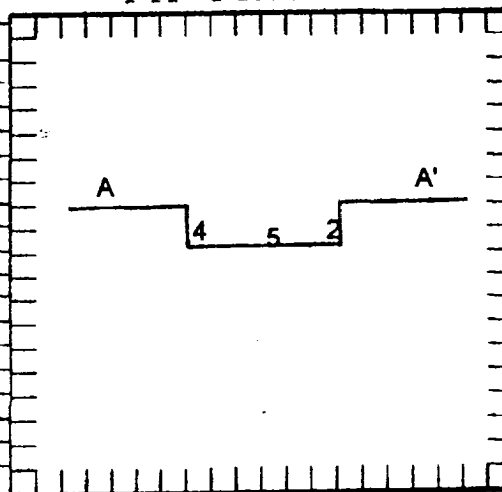
PIT PERIMETER

OVM RESULTS

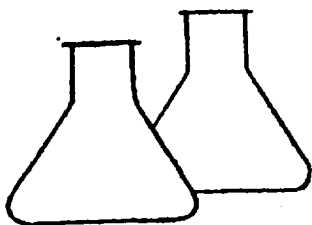
PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PD (mm)
1 @ 5 1/2"	3.9
2 @ 5 1/2"	38.7
3 @ 5 1/2"	3.4
4 @ 5 1/2"	2.4
5 @ 6"	4.4
Landfarm	87.9
	LAB SAMPLES



TRAVEL NOTES: _____ CALLOUT: _____ ONSITE: _____



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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	2 @ 5.5'	Date Analyzed:	8-16-94
Project Location:	San Juan 30-5 #84 PM (PC)	Date Reported:	8-16-94
Laboratory Number:	GAC0664	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	68	10

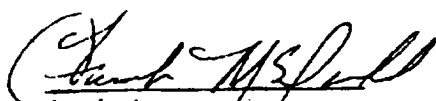
ND = Not Detectable at stated detection limits.

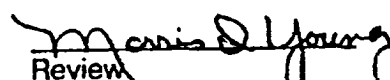
QA/QC:	QA/QC Sample TPII mg/kg	Duplicate TPII mg/kg	% *Diff.
	7.420	6.960	6

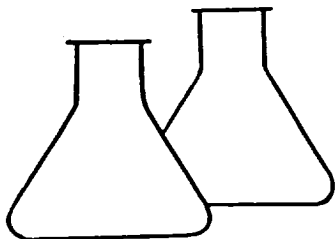
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA148


Analyst


Review



ENVIROTECH LABS

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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:	LANDFARM	Date Analyzed:	8-16-94
Project Location:	San Juan 30-5 #84 PM (PC)	Date Reported:	8-16-94
Laboratory Number:	GAC0665	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	3,320	100

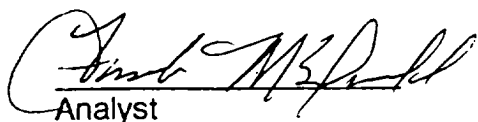
ND = Not Detectable at stated detection limits.

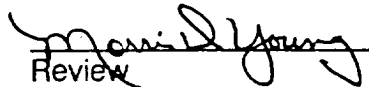
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% Diff.
	-----	-----	-----
	7,420	6,960	6

*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 PA148


Analyst


Review

ENVIROTECH Inc.

5798 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0615

PIT No: PA148
C.O.C #: _____

FIELD REPORT: REMEDIATION FACILITY Phillips Petroleum CLOSURE VERIFICATION

JOB No: 93163
PAGE No: 1 of 1

FACILITY LOCATION: San Juan 30-5 # 84 PC
SOURCE LOCATION: _____
SOURCE LOCATION: _____
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: On-site landfarm PIT TYPE: Separator

DATE STARTED: 10-24-94
DATE FINISHED: 10-24-94
ENVIRONMENTAL SPECIALIST: HMB

SOIL REMEDIATION: QUANTITY: 166 cy # OF COMP. SAMPLES: 1
DIMENSIONS: 33' x 78' x 1.75' deep
VISIBLE OBSERVATIONS: No odor, well plowed, loose to bottom
SAMPLING PLAN: 1 5-point composite sample

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 35 YARDS WNW FROM WELLHEAD.

DEPTH TO GROUNDWATER: 100'
NEAREST WATER SOURCE/TYPE: >1000'
NEAREST SURFACE WATER: >1000'
MAX TPH PER NMCD: 1000 ppm

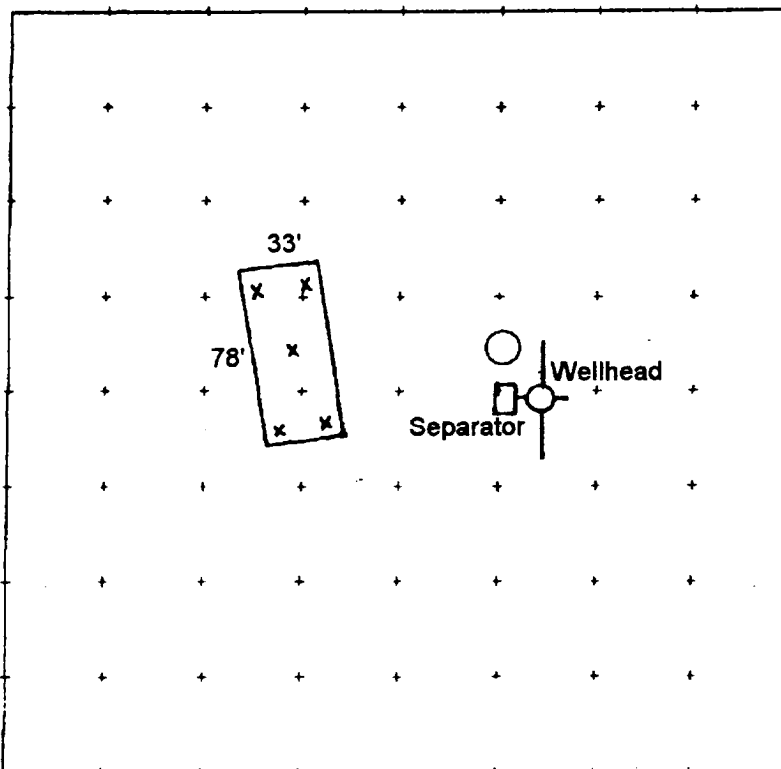
Dark reddish purple sandy clay

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

$$C-1 \frac{20.2 \text{ ml} \times 1 \times 373}{10.38 \text{ g}} = 725.88$$

FACILITY DIAGRAM

GRID SCALE: 10 20

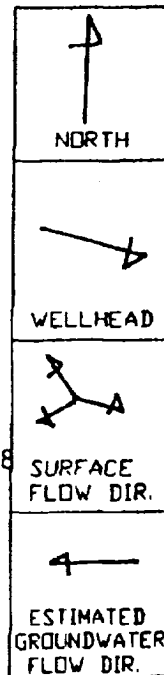


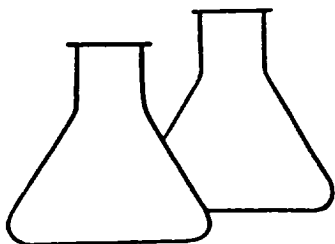
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
C-1	15

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS (PPM)
858	TPH	725.88





ENVIROTECH LABS

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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	C1 - LANDFARM	Date Analyzed:	10-24-94
Project Location:	SAN JUAN 30-5, # 84 PC	Date Reported:	10-25-94
Laboratory Number:	GAC0858	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	726	10

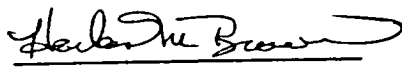
ND = Not Detectable at stated detection limits.

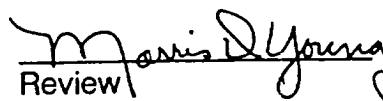
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	16 *	14	12

*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 PA148


Analyst


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