District I
P.O. Box 1980, Hobbs, NM 88241-1980
District II
P.O. Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410

Jerry L. Foutz
DEPUTY OIL & GAS INSPECTOR
DEC 02 1997

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

PIT REMEDIATION AND CLOSURE REPORT

Approved

Operator : Phillips Petroleum Company Telephone: (505) 599-3400

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

Facility Or: San Juan 30-5 Unit # 47
Well Name

Location: Unit or Qtr/Qtr Sec L NWSW Sec 17 T 30N R 5W County Rio Arriba

Pit Type: Separator X Dehydrator _____ Other _____

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

Pit Location: (Attach diagram)
Pit dimensions: Length 20 ft, width 20 ft, depth 4 ft

Reference: wellhead X other _____

Footage from reference: 60 ft

Direction from reference: 90 Degrees _____ East North X of X West South _____

Depth to Ground Water: (vertical distance from contaminants to seasonal highwater elevation of ground water)	60 ft	_____	Less than 50 feet	(20 points)
		X	50 ft to 99 feet	(10 points)
		_____	Greater than 100 feet	(0 points) 10
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

RECEIVED
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DIST. 3

P:\pits\PrrC@.WK3

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 5/3/94 Dated Completed: 8/14/97

Excavation X Approx. cubic yards 18

Landfarmed X Insitu Bioremediation

Other Risk Assessement

Remediation Method: (Check all appropriate sections) Onsite X Offsite

General Description of Remedial Action: Based on the initial assessment, soils were excavated to a depth of 1 foot below the original pit bottom where bedrock was encountered. A sample was tested and provided a concentration above OCD and BLM guidelines . The pit bottom and walls are encased in bedrock. The soils were landfarmed on location. The landfarm tested clean on 8/15/95. A risk assessment was performed on 8/14/97, based on this information and the physical location of the pit, there is no risk to human health or the 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 North wall

Sample depth 3' below ground level

Sample date 6/16/94 Sample time N/A

Sample Results

Benzene (ppm)

Total BTEX (PPM)

Field Headspace (ppm) 76

TPH 1240

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 R.A. Wirtanen and TITLE Sr. Safety & Environmental Specialist

ENVIROTECH Inc.

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

PIT NO: PA 136

C.I.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-Hoe

DATE STARTED: _____
DATE FINISHED: 5-3-94
ENVIRO. SPCLT: REO
OPERATOR: Cimarron
ASSISTANT: K.S.

LOCATION: LEASE: San Juan 30-5 WELL: # 47 QD: 1450' FSL, 970' FWL (L)
SEC: 17 TWP: 30N RNG: 5W PM: NM CNTY: RA ST: NM PIT: Separator

LAND USE: Range Lease # SF-078994
SURFACE CONDITIONS: Earthen pit 20'x20'

PIT CENTER IS LOCATED APPROXIMATELY 60 FEET West OF WELLHEAD.

CLOSURE STD: 1000ppm

RANKING SCORE: 10

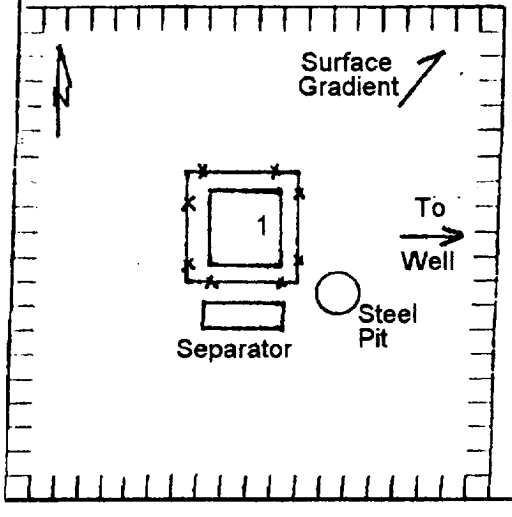
T1: Pit is carved into sandstone bedrock
Soil appears stained, odor, sandstone bowl would contain hydrocarbons. Recommend excavating loose soils and landfarm.

GAC# 450: 717x2 = 1434

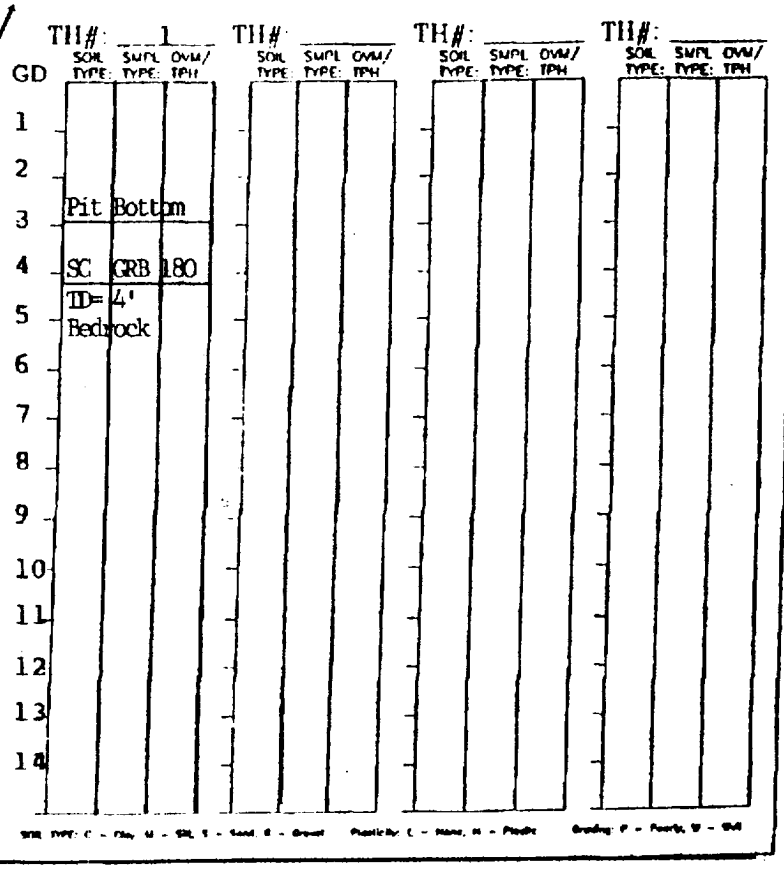
SAMPLE INVENTORY		
SMPL ID:	SMPL TYPE:	LABORATORY ANALYSIS:
T1@4'	soil	1434ppm

SCALE
0 20 FEET

SITE DIAGRAM



TEST HOLE LOGS



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:	T1 @ 4'	Date Analyzed:	5-3-94
Project Location:	San Juan 30-5 #47	Date Reported:	5-3-94
Laboratory Number:	GAC0450	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	1400	10

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
750	820	9

*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 PA136

R. E. Oviatt
Analyst

Review

CLIENT: Phillips Petroleum

ENVIROTECH Inc.

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

PIT NO: PA136

C.O.C. NO: ______

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 93163

PAGE No: 1 of 1

LOCATION: NAME: San Juan 30-5 WELL #: 47 PIT: Separator

QUAD/UNIT: L SEC: 17 TWP: 30N RNG: 5W BM: NM CNTY: RA ST: NM

QTR/FOOTAGE: 1450'FSL, 970'FWL CONTRACTOR: Cimarron

DATE STARTED: 6-16-94

DATE FINISHED: 6-16-94

ENVIRONMENTAL SPECIALIST: Tom Hanson

SOIL REMEDIATION: EXCAVATION APPROX. 11' FT. x 11' FT. x 4' FT. DEEP.

DISPOSAL FACILITY: On site Landfarm CUBIC YARDAGE: 18

LAND USE: Range LEASE: SF-078994 Elevation 6409

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 60 FEET West FROM WELLHEAD.

DEPTH TO GROUNDWATER: 60' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >100C'

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

SOIL AND EXCAVATION DESCRIPTION:

Pit is excavated in bedrock (white sandstone), only approximately 1' of loose soil on surface -- sides are stained

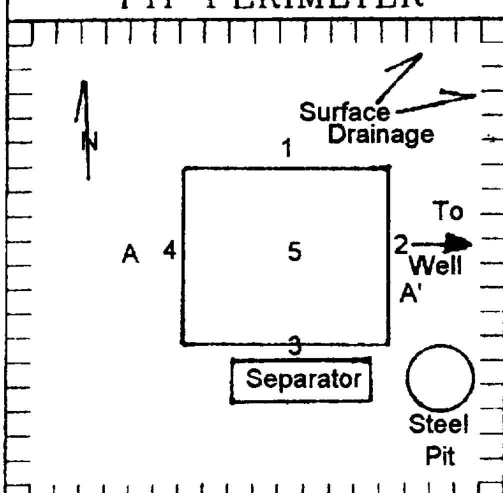
FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1 @ 3'	558	10	20	—	620	1240

SCALE

0 FEET

PIT PERIMETER

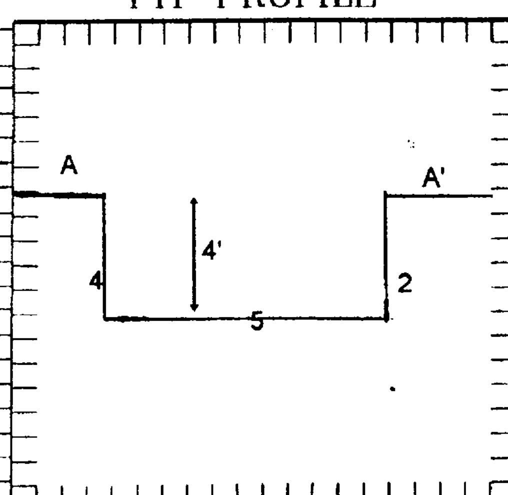


OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 3'	76
2 @ 3'	45
3 @ 3'	23
4 @ 3'	50
5 @ 4'	3

LAB SAMPLES

PIT PROFILE



TRAVEL NOTES: CALLOUT: 6-16-94 ONSITE: 6-16-94

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FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	1 @ 3'	Date Analyzed:	6-16-94
Project Location:	San Juan 30-5 #47	Date Reported:	6-20-94
Laboratory Number:	GAC0558	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	1,240	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 PA136

Analyst

Review

ENVIROTECH Inc.

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PIT No: PA 136
C.O.C #:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 93163
PAGE No: 1 of 1

FACILITY LOCATION: San Juan 30-5 # 47
SOURCE LOCATION:
SOURCE LOCATION:
SOURCE LOCATION:
FACILITY CLASSIFICATION: Landfarm PIT TYPE: Separator

DATE STARTED: 9-22-94
DATE FINISHED: 9-22-94

ENVIRONMENTAL SPECIALIST: CJC

SOIL REMEDIATION: QUANTITY: 12.5 cubic yards # OF COMP. SAMPLES: 1
DIMENSIONS: 27' x 25' x .5
VISIBLE OBSERVATIONS: Sand, clay, tan, dry, slight odor
SAMPLING PLAN: 1 5-point composite

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 37 YARDS North FROM WELLHEAD.

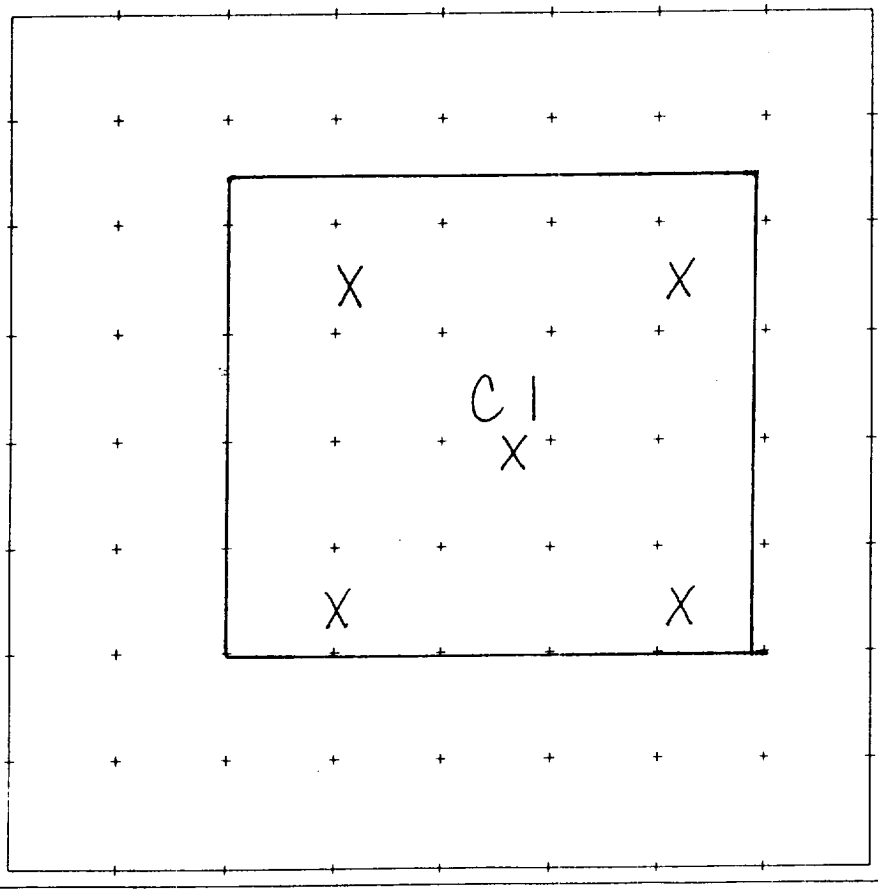
DEPTH TO GROUNDWATER: 60'
NEAREST WATER SOURCE/TYPE: > 1000'
NEAREST SURFACE WATER: > 1000'
MAX TPH PER NMOCD: 1000ppm

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

C1: 312x20 = 6240 ppm TPH

FACILITY DIAGRAM

GRID SCALE: 1" = 10'



OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)
C1	23

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED	RESULTS PPM:
C1	TPH	6240
	#777	

NORTH

WELLHEAD

SURFACE FLOW DIR.

ESTIMATED GROUNDWATER FLOW DIR.

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FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	C1	Date Analyzed:	9-22-94
Project Location:	San Juan 30-5 # 47	Date Reported:	9-26-94
Laboratory Number:	GAC0777	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	**6,240**	**100**

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 PA136

C. Jack Collins
Analyst

Review

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
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PIT No: PA 136
C.O.C #:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 93163
PAGE No: 1 of 1

FACILITY LOCATION: San Juan 30-5 # 47
SOURCE LOCATION:
SOURCE LOCATION:
SOURCE LOCATION:
FACILITY CLASSIFICATION: On site landfarm PIT TYPE: Separator

DATE STARTED: 4-11-95
DATE FINISHED: 4-11-95

ENVIRONMENTAL SPECIALIST: CJC

SOIL REMEDIATION: QUANTITY: 9 Cubic yards # OF COMP. SAMPLES: 1
DIMENSIONS: 21' x 24' x .5'
VISIBLE OBSERVATIONS:
SAMPLING PLAN: 1 five point composite

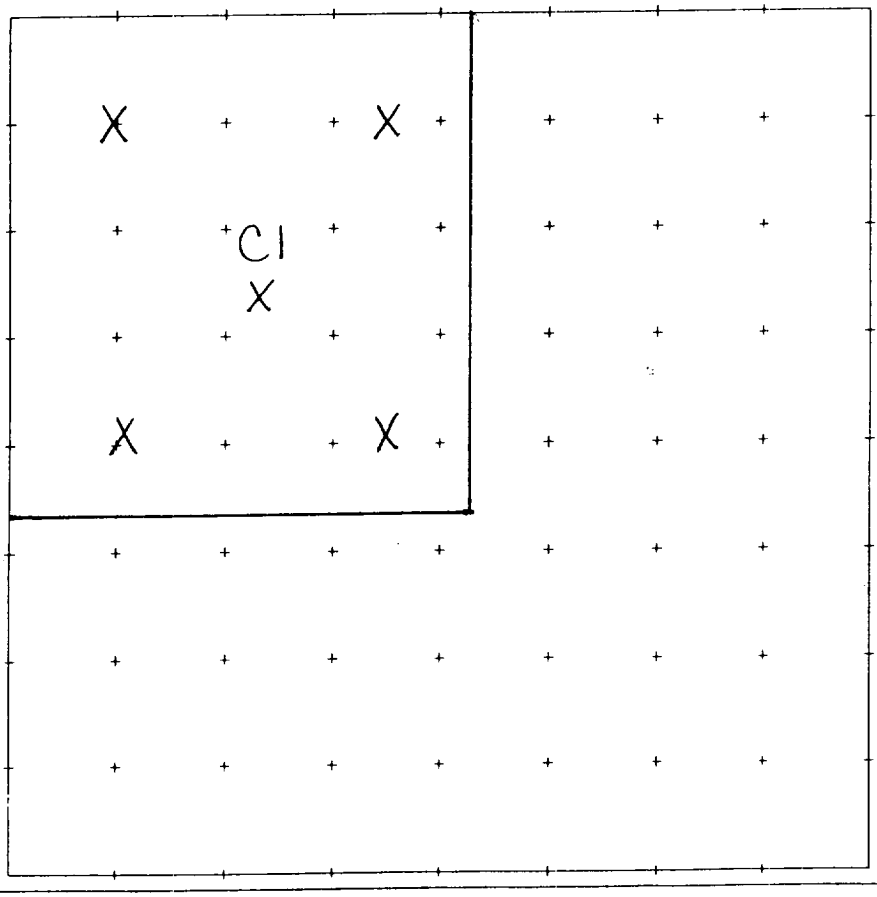
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 37 YARDS N FROM WELLHEAD.

DEPTH TO GROUNDWATER: 60'
NEAREST WATER SOURCE/TYPE: > 1000'
NEAREST SURFACE WATER: > 1000'
MAX TPH PER NMOCD: 1000ppm

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

FACILITY DIAGRAM

GRID SCALE: 5'



OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)
C1	0.0

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED	RESULTS PPM:
C1	TPH	1870

NORTH

WELLHEAD

SURFACE FLOW DIR.

ESTIMATED GROUNDWATER FLOW DIR.

ENVIROTECH LABS

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips	Project #:	93163
Sample ID:	S.J.30-5 #47 C1	Date Reported:	04-13-95
Laboratory Number:	8345	Date Sampled:	04-11-95
Chain of Custody No:	4151	Date Received:	04-12-95
Sample Matrix:	Soil	Date Extracted:	04-12-95
Preservative:	Cool	Date Analyzed:	04-12-95
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1870	10.0

ND = Parameter not detected at the stated detection limit.

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

Comments:

Analyst

Review

ENVIROTECH Inc.

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PIT No: PA 136
C.O.C #: 4340

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 93163
PAGE No: 1 of 1

FACILITY LOCATION: San Juan 30-5 #47 Sec. 17, T 30N, R 5W, County Rio Arriba
SOURCE LOCATION: Separator Pit
SOURCE LOCATION:
SOURCE LOCATION:
FACILITY CLASSIFICATION: On site landfarm PIT TYPE: Separator

DATE STARTED: 8-15-95
DATE FINISHED: 8-15-95

ENVIRONMENTAL SPECIALIST: BMB

SOIL REMEDIATION: QUANTITY: 16 cubic yards # OF COMP. SAMPLES: 1
DIMENSIONS: 20' x 21' x 1'
VISIBLE OBSERVATIONS: Soil loose @ top 3" dry; Rained since last tilling
SAMPLING PLAN: 5 point composite; 418.1 if result > 100 then BTEX 8020

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 40 YARDS NW FROM WELLHEAD.

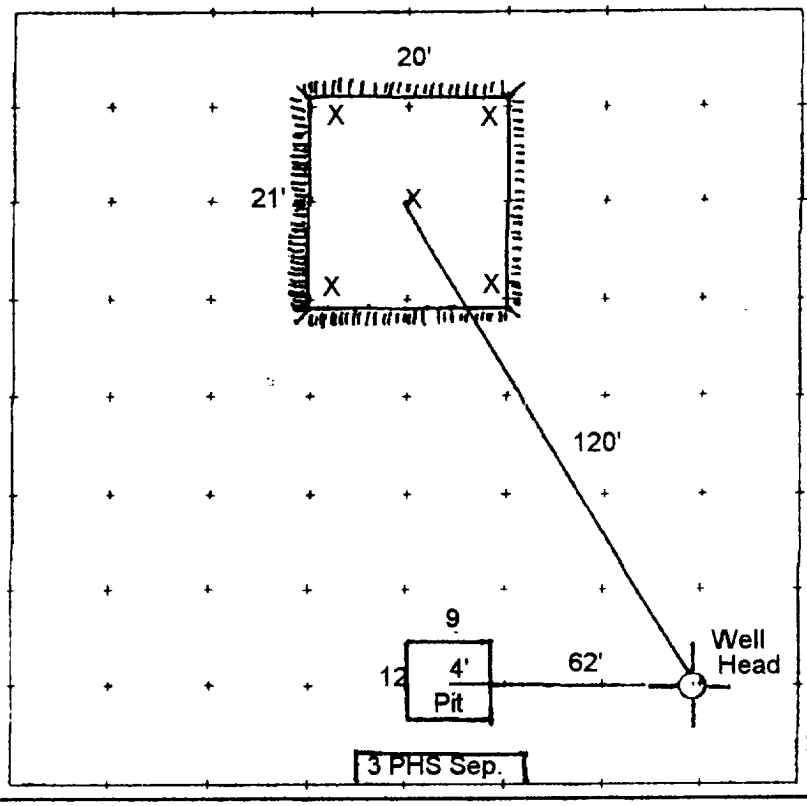
DEPTH TO GROUNDWATER: 60'
NEAREST WATER SOURCE/TYPE: >1000'
NEAREST SURFACE WATER: >1000'
MAX TPH PER NMOCD: 1000ppm

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

Tan to red brown, medium to coarse silty sand. Tilled with small tractor. Petroleum odor, light. Samples @ 4" to 6" below surface.

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
C1	1040ppm

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED	RESULTS PPM:
C1	TPH	499
C1	BTEX	ND,25

NORTH

WELLHEAD

SURFACE FLOW DIR.

ESTIMATED GROUNDWATER FLOW DIR.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	San Juan 30-5 #47 DK	Date Reported:	08-16-95
Laboratory Number:	8791	Date Sampled:	08-15-95
Chain of Custody No:	4340	Date Received:	08-15-95
Sample Matrix:	Soil	Date Extracted:	08-16-95
Preservative:	Cool	Date Analyzed:	08-16-95
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**499**	**10**

ND = Parameter not detected at the stated detection limit.

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

Comments: **PA136. Various Landfarms.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020
AROMATIC VOLATILE ORGANICS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	San Juan 30-5 #47 DK	Date Reported:	08-17-95
Laboratory Number:	8791	Date Sampled:	08-15-95
Chain of Custody:	4340	Date Received:	08-15-95
Sample Matrix:	Soil	Date Analyzed:	08-16-95
Preservative:	Cool	Date Extracted:	08-16-95
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**29.2**
Toluene	**ND**	**33.4**
Ethylbenzene	**45.5**	**31.2**
p,m-Xylene	**118**	**26.6**
o-Xylene	**87.3**	**28.9**

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**98 %**
	Bromofluorobenzene	**100 %**

References: 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. 1994.

Comments: **Various Landfarms. PA136.**

Analyst

Review

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4340

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
93163 Phillips Petroleum.	VARIOUS LANDFARMS	
Sampler: (Signature) Harlan M Brown	Chain of Custody Tape No.	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH 418.1	BTEX 8020					Remarks
San Juan 30-5 #47 DK	8-15-95	11:48	8791	Soil	1	✓						BTEX IF TPH >100
San Juan 29-6 #89 DK	8-15-95	13:18	8792	Soil	1	✓						BTEX IF TPH >100
San Juan 29-6 #103 DK	8-15-95	14:37	8793	Soil	1	✓						BTEX IF TPH >1000
San Juan 29-5 #104 PC	8-15-95	15:53	8794	Soil	1	✓						BTEX IF TPH >1000
San Juan 29-5 #87 PC C1	8-15-95	18:57	8795	Soil	1	✓						No BTEX
San Juan 29-5 #75 DK C1	8-15-95	17:03	8796	Soil	1	✓						BTEX IF TPH >1000
San Juan 29-5 #75 DK C2	8-15-95	17:15	8797	Soil	1	✓						BTEX IF TPH >1000
San Juan 29-5 #87 PC C2	8-15-95	19:13	8798	Soil	1	✓						BTEX IF TPH >100
San Juan 29-5 #87 PC C3	8-15-95	19:26	8799	Soil	1	✓						No BTEX

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Harlan M Brown	8-15-95	21:20	Nathan Spencer	8-15-95	21:20
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

Risk Assessment
San Juan 30-5 # 47

Depth to Groundwater	60'
Distance to Water Source	>1000'
Distance to Surface Water	>1000'
TPH Limit (ppm)	10000

The subject pit was located in hard, well cemented sandstone at a depth of 4 feet. The initial size of the pit was 10' X 10' X 3' deep. The stained soil was a silty sand and was excavated to a final pit size of 11' X 11' X 4' deep. Excavated soil amounted to approximately 18 total cubic yards, and was landfarmed on location.

On May 3, 1994 Envirotech Inc., performed a pit assessment. The assessment included excavation of a test hole established in the middle of the pit and excavated to a depth of 4 feet below ground level, where bedrock was encountered. A soil sample at 4 feet provided a Total Petroleum Hydrocarbons (TPH) concentration of 1,434 ppm, and a Headspace concentration of 180 ppm.

Excavation and Pit Closure verification was performed by Envirotech, Inc. on June 16, 1994. The pit was excavated to a depth of 4 feet, where hard cement sandstone was encountered. A sample from the North wall, at a depth of 3 feet, was analyzed using the Headspace method and TPH. The Headspace provided a concentration of 76 ppm and a TPH concentration of 1240 ppm. No groundwater was encountered, and first water was not recorded at a nearby cathodic well until a depth of 60 feet. Excavated soils were landfarmed on location.

Landfarm sampling was provided by Envirotech, Inc. on August 15, 1995. A 5-point sample was extracted and analyzed. Results of the sample provided a TPH concentration of 499 ppm , Benzene concentration of Non-Detect, and a Total BTEX concentration of 0.25 ppm.

A risk assessment was performed by Cimarron Oilfield Services on August 14, 1997 to establish lateral extent. Two bore holes were established. Bore hole #1 was established approximately 10 feet North of the associated pit. A sample was extracted at a depth of 2 feet from ground level, where hard well cemented sandstone was encountered. Analysis of this sample provided a TPH concentration of Non-Detect and a Headspace concentration of 0.7 ppm. The second bore hole was established approximately 10 feet East of the associated pit. A hard cemented sandstone was encountered at 2.5 feet below ground level. A sample was extracted from this depth and provided a Headspace concentration of 0.6 ppm.

Having determined lateral and vertical extent as well as achieving action levels below NMOCD and BLM requirements, this pit should be considered to have reached "final closure". Phillips Petroleum has removed and remediated all soils to the extent practical. By filling the excavation, the driving force created by additional fluids will be eliminated.

Based on this information and the physical location of the pit, there is little to no risk to human health or environment.

Client : Phillips Petroleum Company

Date Started : August 14, 1997 Date Completed : August 14, 1997

Location: San Juan 30-5 # 47

Quad : (L) Section : 17

Township: 30N Range: 5W

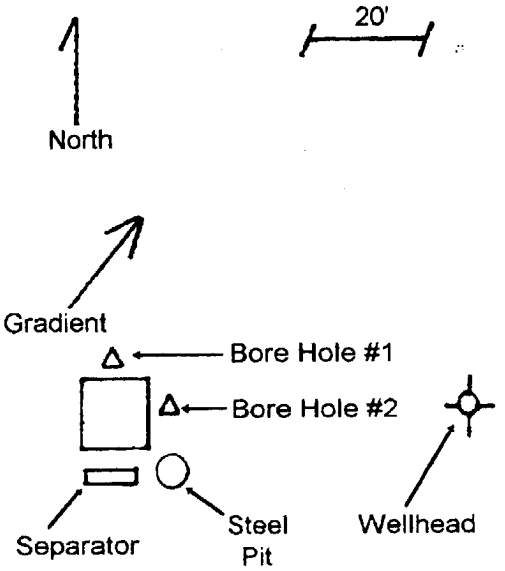
Pit :	Sample #	Location	OVM	TPH
Separator	1	BH#1@2'	0.7	
	2	BH#2@2.5'	0.6	
Reference :	3			
60' W	4			
	5			
From Wellhead	6			
	7			
	8			
Pit Size :	9			
11' x 11' x 4' deep	10			
	11			
	12			

Depth to Groundwater : 60' Soil Type : Brown, silty sand

Ranking Score: 10 Bedrock Encountered : Yes

Closure Standard : 1000 Groundwater Encountered : No

Overview of Pit Location and Sampling :



Depth (ft)	Bore # 1	Bore # 2
1		
2	Bedrock	
3		
4		

Comments : Bore hole # 1: 3" of loose topsoil, brown silty sand
3" - 2' Soil is a soft, gray, sandstone

Total depth @ 2' Hard cement sandstone

Bore hole # 2: 3" of loose topsoil, brown silty sand
3" - 2.5' soil is soft sandstone

Total depth @ 2.5' Hard, cement sandstone
Sample # 1 sent to IML for TPH analysis 12:41

Environmental Specialist: FM

Cimarron Oilfield Services

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1

Client: **Phillips Petroleum**
Project: San Juan 30-5 #47
Matrix: Soil
Condition: Intact/Cool

Date Reported: 08/25/97
Date Sampled: 08/14/97
Date Received: 08/15/97
Date Extracted: 08/21/97
Date Analyzed: 08/21/97

Sample ID	Lab ID	Result mg/kg	Detection Limit mg/kg
Bore Hole #1 @ 2 ft.	0397G01720	ND	19.6

ND - Analyte not detected at stated detection level.

Method 418.1:
Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

Method 3550:
Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.

Reported By _____

Reveiwed By _____

inl
Inter- Mountain Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSES / PARAMETERS
Phillips Petroleum	San Juan 30-5 #47	

Sampler: (Signature)	Chain of Custody Tape No.	Remarks
Frank McDonald		

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	TPH 418.1				
Bore Hole #1 @ 2'	8/14/97	12:41		Soil	1	✓				
										Analyzed

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Monica D. Rodahl	8/15/97	8:44	Chris Reynard	8-15-97	0844
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by laboratory: (Signature)	Date	Time

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