

District I
P.O. Box 1980, Hobbs, NM
District I
P.O. Drawer 100, Artesia, NM 88203
District II
DEPUTY OIL & GAS INSPECTOR
1000 Rio Brazos Rd, Aztec, NM 87410
OCT 28 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

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

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

Facility Or: San Juan 30-5 Unit # 53

Well Name

Location: Unit or Qtr/Qtr Sec NWSW Sec 16 T 30N R 5W County Rio Arriba

Pit Type: Separator X Dehydrator _____ Other Condensate Tank

Land Type: BLM _____ State X Fee _____ Other _____

Pit Location: Pit dimensions: Length 27 ft, width 27 ft, depth 7 ft

(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 55 ft

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

Depth to Ground Water: <u>90 ft</u>	_____	Less than 50 feet	(20 points)	
(vertical distance from	<u>X</u>	50 ft to 99 feet	(10 points)	
contaminants to seasonal	_____	Greater than 100 feet	(0 points)	<u>10</u>
highwater elevation of				
ground water)				

Wellhead Protection Area:		Yes	(20 points)	
(less than 200 feet from a private	<u>X</u>	No	(0 points)	<u>0</u>
domestic water source, or: less than				
1000 feet from all other water sources).				

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,	<u>X</u>	Greater than 1000 feet	(0 points)	<u>0</u>
irrigation canals and ditches.)				

P:\pits\PrrC@.WK3

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 7/7/93 Date Completed: 8/10/94

Excavation X Approx. cubic yards 21

Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Method: Onsite X Offsite _____

(Check all appropriate sections) _____

General Description of Remedial Action : The site was assessed and excavated to 7' below ground level on 7/7/93. A sample was taken from 3' below the pit bottom and was found to be below NMOCD and BLM guidelines. The soils which were found to be above NMOCD and BLM guidelines were landfarmed on location. The landfarm was tested on 8/10/94 and was found to be below NMOCD and BLM guidelines.

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 Center bottom of pit

Sample depth 7' below ground level

Sample date 7/7/93 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) 14.3

TPH 10.1

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 8-8-97 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: PA025

C.D.C. NO: 2783

FIELD REPORT: SITE ASSESSMENT

JOB No: 93163

PAGE No: 1 of 1

PROJECT: PIT ASSESSMENT
CLIENT: Phillips Petroleum
CONTRACTOR: ENVIROTECH INC.
EQUIPMENT USED: JOE Extend-A-Hoe

DATE STARTED: 7-7-93
DATE FINISHED: 7-7-93
ENVIRO. SPCLY: RBO
OPERATOR: CHURTON
ASSISTANT: _____

LOCATION: LEASE San Juan 30-5 WELL: #53 QD: 1765' EST. 970' FWL (L)
SEC: 16 TWP: 30N RNG: 5W PM: NM CNTY: RA ST: NM PIT: Separator

LAND USE: Range Lease # E 347-26

SURFACE CONDITIONS: Barthen Pit

PIT CENTER IS LOCATED APPROXIMATELY 55 FEET South OF WELLHEAD.

CLOSURE STD: <1000

RANKING SCORE: 10

TL: Moist, brown silty, sand to high plastic clay, at bottom of hole, no odor

TEST HOLE LOGS

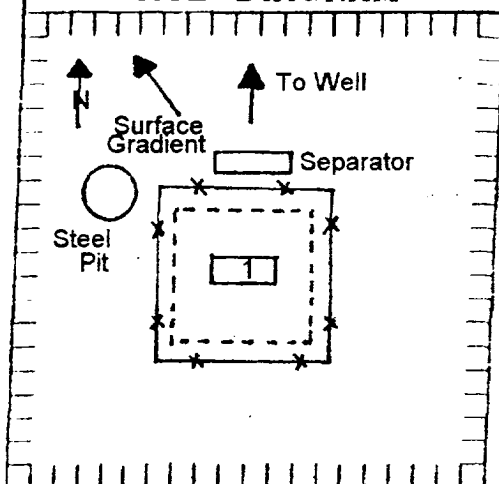
SAMPLE INVENTORY		
SAMPL ID	SAMPL TYPE	LABORATORY ANALYSIS
TL@7'	soil	418.1
TL@4.5'	soil	BTEX, 418.1

SCALE



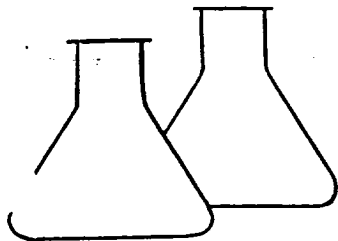
0 20 FEET

SITE DIAGRAM



GD	TH#: 1			TH#:			TH#:			TH#:		
	SOIL TYPE	SAMPL TYPE	QVM/TPH	SOIL TYPE	SAMPL TYPE	QVM/TPH	SOIL TYPE	SAMPL TYPE	QVM/TPH	SOIL TYPE	SAMPL TYPE	QVM/TPH
1												
2												
3												
4	Pit Bottom											
5	SM	GRB	134									
6												
7	CH	GRB	14.3									
8	ID=7'											
9												
10												
11												
12												
13												
14												

SOIL TYPE: C - Clay, M - Silt, S - Sand, G - Gravel Plasticity: L - Liquid, H - Plastic Grading: F - Fine, W - Well



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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips	Project #:	93163
Sample ID:	T1 @ 7'	Date Sampled:	07-07-93
Laboratory Number:	5632	Date Received:	07-07-93
Sample Matrix:	Soil	Date Analyzed:	07-13-93
Preservative:	Cool	Date Reported:	07-13-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	10.1	5.0

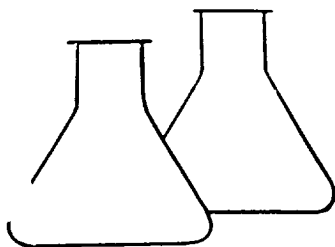
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: San Juan 30-5 #53 DK, Separator Pit, PA025.

Lu Chhabing
Analyst

Mavis D. Young
Review



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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips	Project #:	93163
Sample ID:	T1 @ 4.5'	Date Sampled:	07-07-93
Laboratory Number:	5631	Date Received:	07-07-93
Sample Matrix:	Soil	Date Analyzed:	07-13-93
Preservative:	Cool	Date Reported:	07-13-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	3,110	50.0

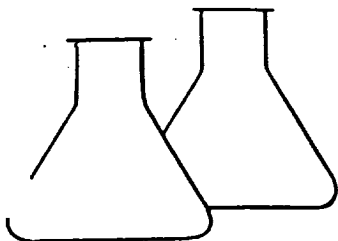
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: San Juan 30-5 #53 DK, Separator Pit, PA025.

Ar. Chahubz
Analyst

Maris D. Young
Review



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EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Phillips	Project #:	93163
Sample ID:	T1 @ 4.5'	Date Reported:	07-12-93
Laboratory Number:	5631	Date Sampled:	07-07-93
Sample Matrix:	Soil	Date Received:	07-07-93
Preservative:	Cool	Date Extracted:	07-08-93
Condition:	Cool & Intact	Date Analyzed:	07-08-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	19.9
Toluene	45.0	39.8
Ethylbenzene	ND	19.9
p,m-Xylene	90	29.9
o-Xylene	ND	29.9

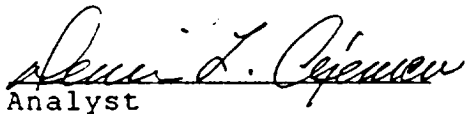
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	97 %
	Bromofluorobenzene	100 %

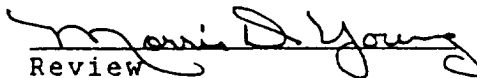
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

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 30-5 #53 DK Separator Pit PA025


Analyst


Review

[illegible]**ENVIROTECH INC.**

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

ENVIROTECH Inc.

5798 US HWY 84, FARMINGTON, NM 87401
(505) 832-0815

PIT No: PA025
C.O.C # 3371

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 93163
PAGE No: 1 of 1

FACILITY LOCATION: San Juan 30-5 # 53 DK Elevation 6340' GL
SOURCE LOCATION: 1765' ESL, 970' FWL, Sec. 16, T4N, R5W
SOURCE LOCATION: N.M.P.M. Rio Arriba County, N.M.
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: Separator

DATE STARTED: 8-10-94
DATE FINISHED: 8-10-94
ENVIRONMENTAL
SPECIALIST: PV

SOIL REMEDIATION: QUANTITY: 21 cy # OF COMP. SAMPLES: 1
DIMENSIONS: 37' Length x 30' Wide x 6" Deep
VISIBLE OBSERVATIONS: Dry, with weeds growing in landfarm
SAMPLING PLAN: Pick (5) sample point

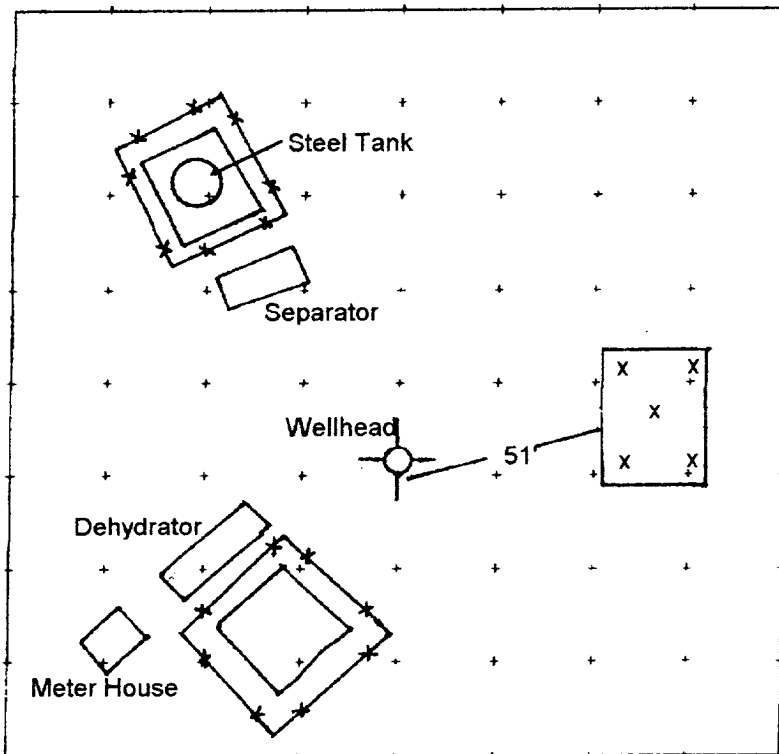
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 17 YARDS NW FROM WELLHEAD.

DEPTH TO GROUNDWATER: 90'
NEAREST WATER SOURCE/TYPE: > 1000'
NEAREST SURFACE WATER: > 1000'
MAX TPH PER NMOC: 1000 ppm

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

FACILITY DIAGRAM

GRID SCALE:



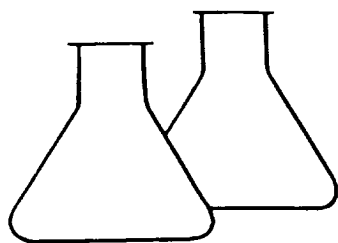
OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)
<u>19</u>	<u>1.4</u>
<u>TH</u>	<u>418.1</u>
<u>Time</u>	<u>1614</u>

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED	RESULTS PPM

 NORTH
WELLHEAD
SURFACE FLOW DIR.
ESTIMATED GROUNDWATER FLOW DIR.



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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	PHILLIPS PETRO	Project #:	93163
Sample ID:	SJ 30-5 53 DK	Date Sampled:	08-11-94
Laboratory Number:	7810	Date Received:	08-11-94
Sample Matrix:	Soil	Date Analyzed:	08-12-94
Preservative:	Cool	Date Reported:	08-12-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	103	30.0

ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: RIO ARRIBA COUNTY NM

Rex L. Griffin
Analyst

Morris D. Young
Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location			ANALYSIS/PARAMETERS									
PHILLIPS PETRO			RIO ARRIBA COUNTY NM.												
Sampler: (Signature)			Chain of Custody Tape No.												
<i>Philip Volungnes</i>															
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH	BTEX					Remarks			
San Juan 1-6 #24	8/10/94	0947	7804	Soil	1	✓						Lead Farm Sample			
San Juan 31-6 #40DK	8/10/94	1024	7805	Soil	1	✓						Lead Farm Sample			
San Juan 30-5 95DK	8/10/94	1206	7806	Soil	1	✓						Lead Farm Sample			
San Juan 30-5 81DK	8/10/94	1306	7807	Soil	1	✓						Lead Farm Sample			
San Juan 29-5 107 PM	8/10/94	1424	7808	Soil	1	✓						Lead Farm Sample			
San Juan 30-5 52DK	8/10/94	1540	7809	Soil	1	✓						Lead Farm Sample			
San Juan 30-5 53DK	8/10/94	1614	7810	Soil	1	✓						Lead Farm Sample			
Relinquished by: (Signature)			Date	Time	Received by: (Signature)							Date	Time		
<i>Philip Volungnes</i>			8/11/94	0745	<i>Ret Staff</i>							8/11/94	8 ⁰⁰		
Relinquished by: (Signature)					Received by: (Signature)										
Relinquished by: (Signature)					Received by: (Signature)										

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

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