

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer 100, Artesia, NM 88211

District III

1000 Rio Brazos Rd. Aztec, NM 87410

State of New Mexico

Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORTOperator: Phillips Petroleum CompanyTelephone: (505) 599-3400Address: 5525 Hwy. 64, NEBU 3004, Farmington, NM 87401Facility Or: San Juan 30-5 Unit # 52

Well Name

Location: Unit or Qtr/Qtr Sec SESW Sec 15 T 30N R 5W County Rio ArribaPit Type: Separator X Dehydrator Other Condensate TankLand Type: BLM X State Fee Other Pit Location: Pit dimensions: Length 25 ft, width 25 ft, depth 4.5 ft
(Attach diagram)Reference: wellhead X other Footage from reference: 55 ftDirection from reference: 30 Degrees East North X
X West South

Depth to Ground Water: (vertical distance from contaminants to seasonal highwater elevation of ground water)	<u>190 ft</u>	<u> </u> Less than 50 feet	(20 points)	
		<u> </u> 50 ft to 99 feet	(10 points)	
	<u>X</u> Greater than 100 feet	(0 points)	<u>0</u>	

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

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

Date Remediation Started: 5/6/94 Date Completed: 8/10/94

Excavation X Approx. cubic yards 30

Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Method: Onsite X Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action : The site was assessed on 5/6/94. The pit was excavated to bedrock at a depth of 4.5 feet on 6/17/94. A sample was tested and provided concentrations below NMOCD and BLM guidelines. 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 4.5' below ground level (BEDROCK)

Sample date 6/17/94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) 32

TPH 1902

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 Bob Wirtanen and TITLE Sr. Safety & Environmental Specialist

ENVIROTECH Inc.

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

PIT NO: PA154

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: _____

DATE FINISHED: 5-6-94

ENVIRO. SPCLY: REG

OPERATOR: Cimarron

ASSISTANT: KC

LOCATION: LEASE: San Juan 30-5 WELL: # 52 DK QD: 800' ESI, 1785' FWL (N)

SEC: 15 TWP: 30N RNG: 5W PM: NM CNTY: RA ST: NM PIT: Separator

LAND USE: Range Lease # 078994

SURFACE CONDITIONS: Earthen Pit 30' x 30' x 3.5'deep, Dry, no surface staining

PIT CENTER IS LOCATED APPROXIMATELY 55 FEET N30W OF WELLHEAD.

CLOSURE STD: 5000ppm

RANKING SCORE: 0

T1: Moist, brown, organic, silty-clayey, slight odor, pit excavated to bedrock.

6AC# 470: 1413: Dilute 10:1=726x2x10=14520

Recommend excavating loose soils in pit.

TEST HOLE LOGS

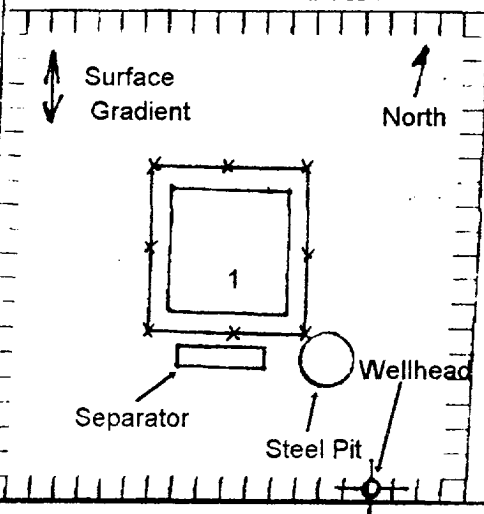
SAMPLE INVENTORY		
SAMPL ID	SAMPL TYPE	LABORATORY ANALYSIS
T104'	Soil	14,520

SCALE



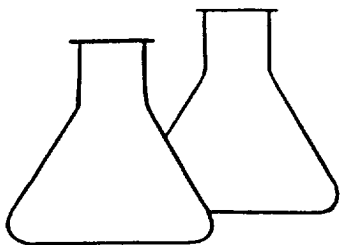
0 20 FEET

SITE DIAGRAM



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

SOIL TYPE: C - Clay, M - Silt, S - Sand, G - Gravel, Plasticity: L - Low, H - High, Grading: P - Poor, V - Very



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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	T1 @ 4'	Date Analyzed:	5-6-94
Project Location:	San Juan 30-5 #52 DK	Date Reported:	5-6-94
Laboratory Number:	GAC0470	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	14500	100

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 # PA154

P. E. O'Neil
Analyst

M. Davis Young
Review

CLIENT: Phillips Petroleum**ENVIROTECH Inc.**PIT NO: PA1545788 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0615

C.D.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATIONJCB No: 93163PAGE No: 1 of 1LOCATION: NAME: San Juan 30-5 WELL #: 52 DK PIT: SeparatorDATE STARTED: _____
DATE FINISHED: 6-17-94QUAD/UNIT: N SEC: 15 TWP: 30N RNG: 5W BM: NM CNTY: RA ST: NMENVIRONMENTAL
SPECIALIST: CJCQIR/FOOTAGE: 800' ESL 1785' FWL CONTRACTOR: CimarronSOIL REMEDIATION: EXCAVATION APPROX. 25 FT. x 25 FT. x 4.5 FT. DEEP.DISPOSAL FACILITY: On site landfarm CUBIC YARDAGE: 104LAND USE: Range LEASE: SF-078944FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 55 FEET N30W FROM WELLHEAD.DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000NMCD RANKING SCORE: 0 NMCD TPH CLOSURE STD 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

Light yellow, brown, sand, dry, no odor
Excavation is completed in bedrock.

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
GB @ 4.5'	563	10	20	1	951	1902

SCALE



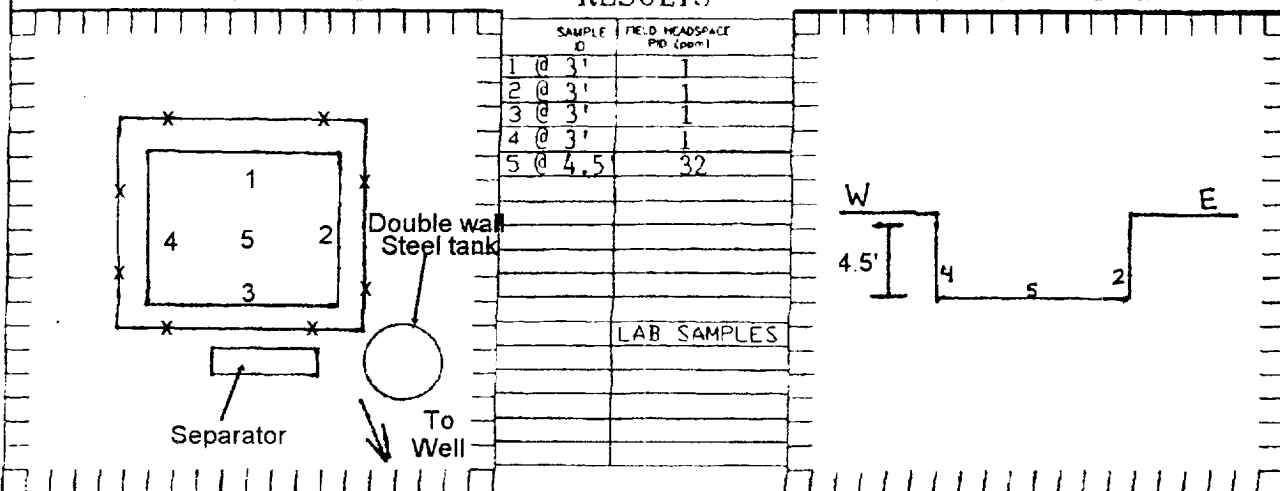
0 FEET

PIT PERIMETER

North

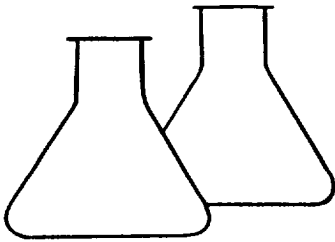
OVM
RESULTS

PIT PROFILE



TRAVEL NOTES:

CALLOUT: 6-17-94ONSITE: 6-17-94



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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	CB @ 4.5'	Date Analyzed:	6-17-94
Project Location:	San Juan 30-5 #52 DK	Date Reported:	6-20-94
Laboratory Number:	GAC0564	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	1,902	10

ND = Not Detectable at stated detection limits.

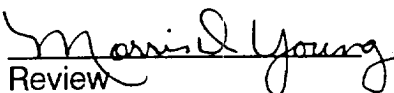
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	11,000	12,600	14

*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 PA154


Analyst


Review

ENVIROTECH Inc.

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

PIT No: PA154
C.O.C #: _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 93163
PAGE No: 1 of 1

FACILITY LOCATION: San Juan 30-5 # 52 DK Elevation 6584' GL
SOURCE LOCATION: 800' ESL, 1785' FWL Sec. 15, T30N, R5W
SOURCE LOCATION: Rio Arriba County, NM
FACILITY CLASSIFICATION: On site landfarm PIT type: Separator

DATE STARTED: 8-10-94
DATE FINISHED: 8-10-94

ENVIRONMENTAL
SPECIALIST: PV

SOIL REMEDIATION: QUANTITY: 30 cy # OF COMP. SAMPLES: 1
DIMENSIONS: 41' length x 41' wide
VISIBLE OBSERVATIONS: Dry, light brown, sand with little clay
SAMPLING PLAN: Pick (5) point and took sample

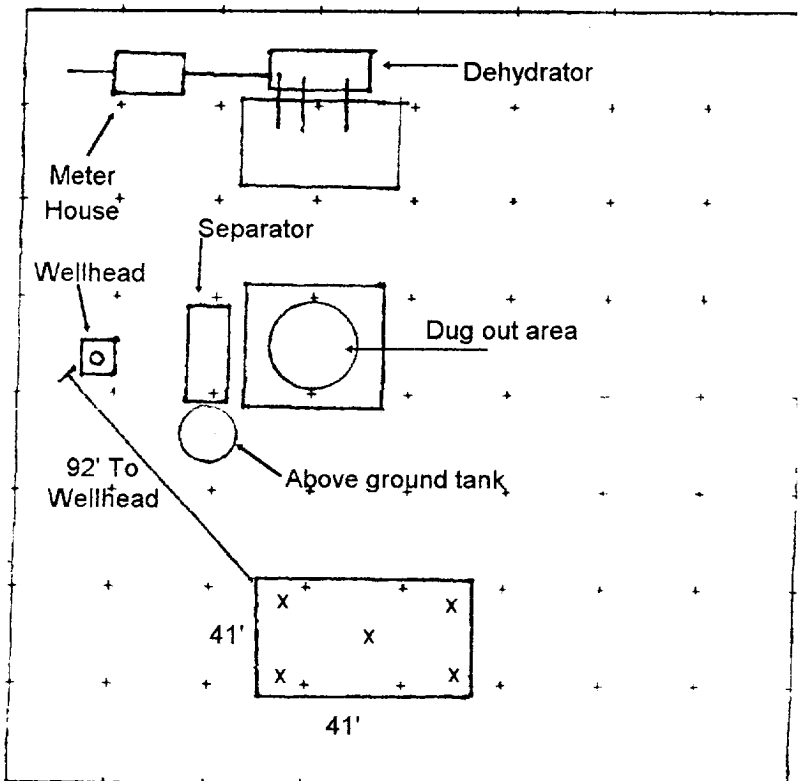
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 50 YARDS NE FROM WELLHEAD.

DEPTH TO GROUNDWATER: 190'
NEAREST WATER SOURCE/TYPE: >1000'
NEAREST SURFACE WATER: >1000'
MAX TPH PER NMOC: 5000 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 PPO (ppm)
18	7.6
TPH	418.1
Time	1540

→
NORTH

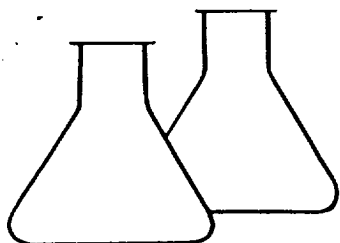
LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM

WELLHEAD

SURFACE
FLOW DIR.

ESTIMATED
GROUNDWATER
FLOW DIR.



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

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	PHILLIPS PETRO	Project #:	93163
Sample ID:	SJ 30-5 52 DK	Date Sampled:	08-11-94
Laboratory Number:	7809	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	370	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

Ray L. Griffin
Analyst

Maris D. Young
Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location			ANALYSIS/PARAMETERS									
PHILLIPS PETRO			RIO ARRIBA COUNTY, N.M.												
Sampler: (Signature)			Chain of Custody Tape No.												
Philip Velazquez															
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH	BTEX	BOZO					Remarks		
SAN JUAN 31-6 #24	8/10/94	0947	7804	Soil	1	✓								Land Farm Sample	
SAN JUAN 31-6 #40DK	8/10/94	1024	7805	Soil	1	✓								Land Farm Sample	
SAN JUAN 30-5 95DK	8/10/94	1206	7806	Soil	1	✓								Land Farm Sample	
SAN JUAN 30-5 81DK	8/10/94	1306	7807	Soil	1	✓								Land Farm Sample	
SAN JUAN 29-5 107 PM	8/10/94	1424	7808	Soil	1	✓								Land Farm Sample	
SAN JUAN 30-5 32DK	8/10/94	1540	7809	Soil	1	✓								Land Farm Sample	
SAN JUAN 30-5 53DK	8/10/94	1614	7810	Soil	1	✓								Land Farm Sample	
Relinquished by: (Signature)			Date	Time	Received by: (Signature)										
Philip Velazquez			8/11/94	0745	Rafael										
Relinquished by: (Signature)					Received by: (Signature)										
Relinquished by: (Signature)					Received by: (Signature)										

ENVIROTECH INC.

5796 U.S. Highway 64-3014

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