

District I
District II
District III
P.O. Drawer DD, Artesia, NM 88211
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

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 - 7 Unit # 43

Well Name

Location: Unit or Qtr/Qtr Sec NWNE Sec 21 T 32N R 7W County San Juan

Pit Type: Separator X Dehydrator Other

Land Type: BLM State Fee X Other

Pit Location: (Attach diagram) Pit dimensions: Length 18 ft width 18 ft depth 10 ft

Reference: wellhead X other

Footage from reference: 35 ft

Direction from reference: 60 Degrees East North
of
X West South X

Depth to Ground Water: 40 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) 20
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: 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.)

Date Remediation Started: 7/12/93

Dated Completed: 9/18/94

Excavation X

Approx. cubic yards 120

Landfarmed X

Insitu Bioremediation _____

Other _____

Remediation Method:

Onsite X

Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action- The pit was assessed and excavated on 7/12/93, 10 feet below original pit bottom and determined to be within NMOCD and BLM Closure Guidelines. The pit was excavated to a pit size of 18 ft X 18 ft X 10 ft in depth. The excavated pit was sampled for closure purposes and was determined that the walls and bottom were within NMOCD and BLM guidelines. The landfarm was determined to be within guidelines on 9/9/94. 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 pit closure verification field report form

Sample depth 4' below ground level (sample #6)

Sample date 6/23/94

Sample time NA

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) Non-Detect (sample #6)

TPH 72 (sample #6)

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

9/22/97

PRINTED NAME

Bob Wirtanen

SIGNATURE

[Signature]

and TITLE

Sr. Safety & Environmental Specialist

ENVIROTECH Inc.

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

PIT NO: PA 047

C.O.C. NO: 2818

FIELD REPORT: SITE ASSESSMENT

JOB No: 93163
PAGE No: 1 of 1

PROJECT: PIT ASSESSMENT
CLIENT: Phillips Petroleum
CONTRACTOR: ENVIROTECH, INC.
EQUIPMENT USED: JCB Extendahoe

DATE STARTED: 7/12/93
DATE FINISHED: 7/12/93
ENVIRO. SPCLT: REO
OPERATOR: cimarron
ASSISTANT:

LOCATION: LEASE: San Juan 32-7 WELL: #43 QD: 1060' FNL & 1660' FEL (B)
SEC: 21 TWP: 32N RNG: 7W PM: NM CNTY: SJ ST: NM PIT:

LAND USE: Range, Lease: Fee

SURFACE CONDITIONS: Earthen Pit

PIT CENTER IS LOCATED APPROXIMATELY 35 FEET S60W OF WELLHEAD.

CLOSURE STD: <100 ppm

RANKING SCORE: 20

Well has been shut-in

T1: Moist, brown with black stains, organic clay to silty clay,
slight odor. Black layer disappears at approximately 6 feet depth.

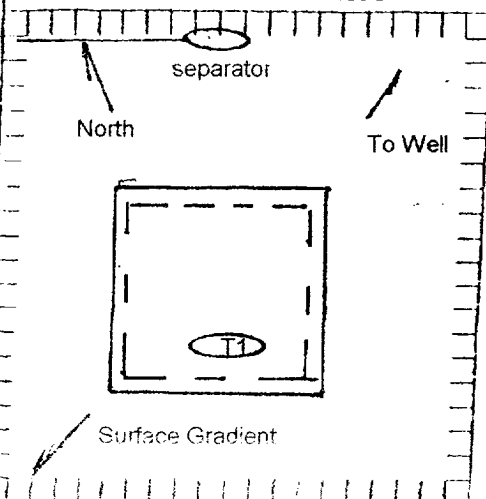
TEST HOLE LOGS

SAMPLE INVENTORY		
SAMPL ID:	SAMPL TYPE:	LABORATORY ANALYSIS:
T1@10'	soil	418.1

SCALE

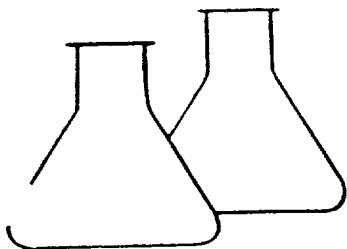


FEET
SITE DIAGRAM



	TH#:	1	TH#:	TH#:	TH#:	TH#:
GD	SOIL TYPE:	SAMPL TYPE:	QNM/TPH	SOIL TYPE:	SAMPL TYPE:	QNM/TPH
1						
2	pit bottom					
3	brown					
4	black					
5	OH Grb	22g				
6						
7	brown					
8						
9						
10	CL Grb	2.8				
11	TD @	10'				
12						
13						
14						

SOIL TYPE: C - Clay, S - Sand, G - Gravel, P - Peat, M - Mud, H - Hard, R - Rock, B - Boulders, F - Fossils, N - Nuts, W - Worms, I - Insects, O - Other



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401

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

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips	Project #:	93163
Sample ID:	T1 @ 10'	Date Sampled:	07-12-93
Laboratory Number:	5677	Date Received:	07-12-93
Sample Matrix:	Soil	Date Analyzed:	07-15-93
Preservative:	Cool	Date Reported:	07-15-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	9.1	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 32-7 #43, Separator Pit, PA047.

Ar. Chabuk
Analyst

Marci D. Young
Review

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

CLIENT: Phillips Petroleum**ENVIROTECH Inc.**PIT NO: PA 0475796 US HWY 64, FARMINGTON, NM 87401
(505) 832-0815

C.O.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATIONJOB No: 93163PAGE No: 1 of 1LOCATION: NAME: San Juan 32-7 WELL #: 43 PIT: SeparatorDATE STARTED: 6/23/94QUAD/UNIT: B SEC: 21 TWP: 32N RNG: 7W BM: NM CNTY: SJ ST: NMDATE FINISHED: 6/23/94QTR/FOOTAGE: 1060' FNL & 1660' FEL CONTRACTOR: CimarronENVIRONMENTAL
SPECIALIST: THSOIL REMEDIATION: EXCAVATION APPROX. 18 FT. x 18 FT. x 10 FT. DEEP.DISPOSAL FACILITY: Landfarm on Site CUBIC YARDAGE: 120LAND USE: Range LEASE: FEEFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 35 FEET S60W FROM WELLHEAD.DEPTH TO GROUNDWATER: 40 ft NEAREST WATER SOURCE: >1000 ft NEAREST SURFACE WATER: >1000 ftNMDCD RANKING SCORE: 20 NMDCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

Soil is brown silty clay, very moist

The West side appeared to be most stained, retrieved sample from
West side, TPH = 134 ppm.

Excavated 3 feet West; Re-sampled, TPH = 72 ppm.

FIELD 4181 CALCULATIONS

SAMPLE I.D.	LAB No	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
4 @ 4 ft	575	10	20		67	134
6 @ 4 ft	577	10	20		36	72
landfarm	576	10	20		31	62

SCALE

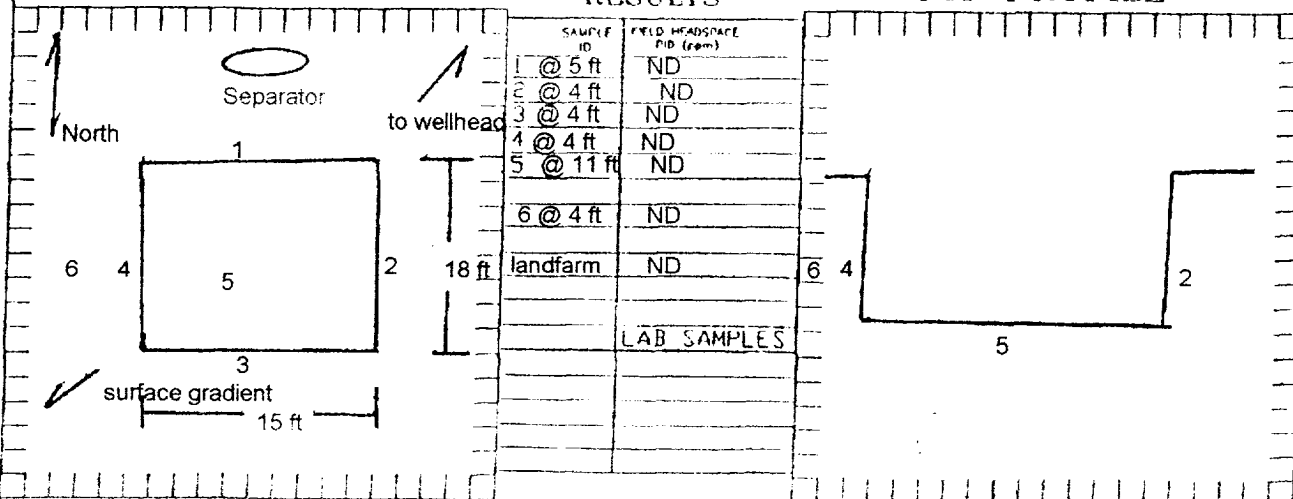


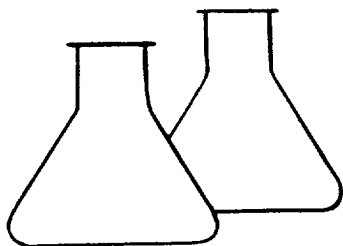
0 FEET

PIT PERIMETER

OVM
RESULTS

PIT PROFILE

TRAVEL NOTES: CALLOUT: 6/23/94 ONSITE: 6/23/94



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:	4 @ 4'	Date Analyzed:	6-23-94
Project Location:	San Juan 32-7 #43	Date Reported:	6-24-94
Laboratory Number:	GAC0575	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	134	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

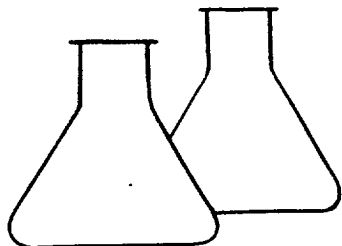
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA047

Tom Am
Analyst

Morris D Young
Review



ENVIROTECH LABS

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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	6 @ 4'	Date Analyzed:	6-23-94
Project Location:	San Juan 32-7 #43	Date Reported:	6-24-94
Laboratory Number:	GAC0577	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	72	10

ND = Not Detectable at stated detection limits.

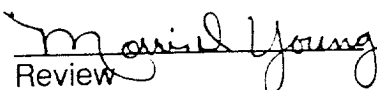
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% Diff.
	11,000	12,600	14

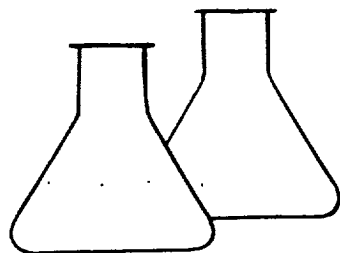
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA047


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:	6-23-94
Project Location:	San Juan 32-7 #43	Date Reported:	6-24-94
Laboratory Number:	GAC0576	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	62	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 PA047

Tom Am
Analyst

Marcid Young
Review

ENVIROTECH Inc.

5798 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: PA 047
C.O.C #: _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 93163
PAGE No: 1 of 1

FACILITY LOCATION: San Juan 32-7 # 43

SOURCE LOCATION: Separator Pit

SOURCE LOCATION: _____

SOURCE LOCATION: _____

FACILITY CLASSIFICATION: _____

PIT TYPE: Separator

DATE STARTED: 9/18/94

DATE FINISHED: 9/18/94

ENVIRONMENTAL
SPECIALIST: CJC

SOIL REMEDIATION: QUANTITY: 120 cubic yards # OF COMP. SAMPLES: 1
DIMENSIONS: 80 ft X 40 ft X 1 ft deep

VISIBLE OBSERVATIONS: Soil is dry, clay with no odor.

SAMPLING PLAN: _____

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 25 YARDS East FROM WELLHEAD.

DEPTH TO GROUNDWATER: 40 ft

NEAREST WATER SOURCE/TYPE: >1000 ft

NEAREST SURFACE WATER: >1000 ft

MAX TPH PER NMCD: 100 ppm

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

C 1: 18 X 2 = 36 ppm TPH

FACILITY DIAGRAM

GRID SCALE: 1 inch = 20 feet

OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)
C 1	0.0

LAB RESULTS

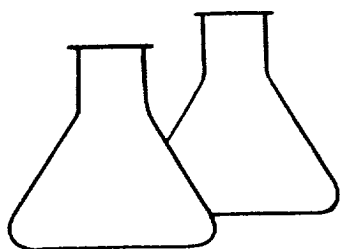
SAMPLE ID:	ANALYSIS REQUESTED	RESULTS PPM:
C 1	TPH	36

NORTH

WELLHEAD

SURFACE
FLOW DIR.

ESTIMATED
GROUNDWATER
FLOW DIR.



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:	C-1	Date Analyzed:	9-08-94
Project Location:	San Juan 32-7 #43	Date Reported:	9-26-94
Laboratory Number:	GAC0722	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	36	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% Diff.
	14	13	7

*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: Landfarm of Soil From Separator Pit PA047

Jack Collins
Analyst

Morris D. Young
Review