

Denny E. Foust
P.O. Box 1980, Hobbs, NM
DEPUTY OIL & GAS INSPECTOR
P.O. Drawer DD, Artesia, NM 88211
District III **JAN 16 1998**
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) 599-3462

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

Facility Or: San Juan 32 - 7 Unit # 51
Well Name

Location: Unit or Qtr/Qtr Sec SWSW Sec 34 T 32N R 7W County San Juan

Pit Type: Separator X Dehydrator _____ Other _____

Land Type: BLM X State _____ Fee _____ Other _____

Pit Location: Pit dimensions: Length 21 ft width 24 ft depth 11 ft
(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 40 ft

Direction from reference: 56 Degrees X East North X
of
West South _____

Depth to Ground Water: 180 ft
(vertical distance from
contaminants to seasonal
highwater elevation of
ground water)

Less than 50 feet	(20 points)	
50 ft to 99 feet	(10 points)	
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).

Yes	(20 points)	
<u>X</u> No	(0 points)	<u>0</u>

Distance to Surface Water:
(Horizontal distance to perennial
rivers, creeks, streams, canals,
irrigation canals and ditches.)

Less than 200 feet	(20 points)	
200 feet to 1000 feet	(10 points)	
<u>X</u> Greater than 1000 feet	(0 points)	<u>0</u>

Date Remediation Started: 7/25/94

Dated Completed: 10/3/94

Excavation X

Approx. cubic yards 150

Landfarmed X

Insitu Bioremediation _____

Other _____

Remediation Method:

Onsite X

Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action- The pit was excavated to a pit size of 21 ft X 24 ft X 11 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 10/3/94. 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:

Classify Sampling
reference to report
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)

TPII 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 Bob Wirtanen

and TITLE

Sr. Safety & Environmental Specialist

CLIENT: Phillips Petroleum Co.

ENVIROTECH Inc.

PIT NO: PA 221

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0815

C.O.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 93163

PAGE No: 1 of 1

LOCATION: NAME: San Juan 32-7 WELL #: 51 PIT: Separator/Production

DATE STARTED: _____

QUAD/UNIT: M SEC: 34 TWP: 32N RNG: 7W BM: NM CNTY: SJ ST: NM

DATE FINISHED: 7/25/94

QTR/FOOTAGE: 980' FWL 820' FSL CONTRACTOR: Cimarron

ENVIRONMENTAL
SPECIALIST: CLG

SOIL REMEDIATION: EXCAVATION APPROX. 21 FT. x 24 FT. x 11 FT. DEEP.

DISPOSAL FACILITY: Landfarmed on site CUBIC YARDAGE: 205.3

LAND USE: Range LEASE: SF - 078998

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 40 FEET N 56 E FROM WELLHEAD.

DEPTH TO GROUNDWATER: 180' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMCD RANKING SCORE: 0 NMCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

Bottom of excavation = rock (greenish/gray claystone)

Sides = yellow brown sand and clay, cohesive, slightly moist

FIELD 4181 CALCULATIONS

SAMPLE ID	LAB No	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC. ppm
1 @ 10'	613	10	20	1	67	134

SCALE



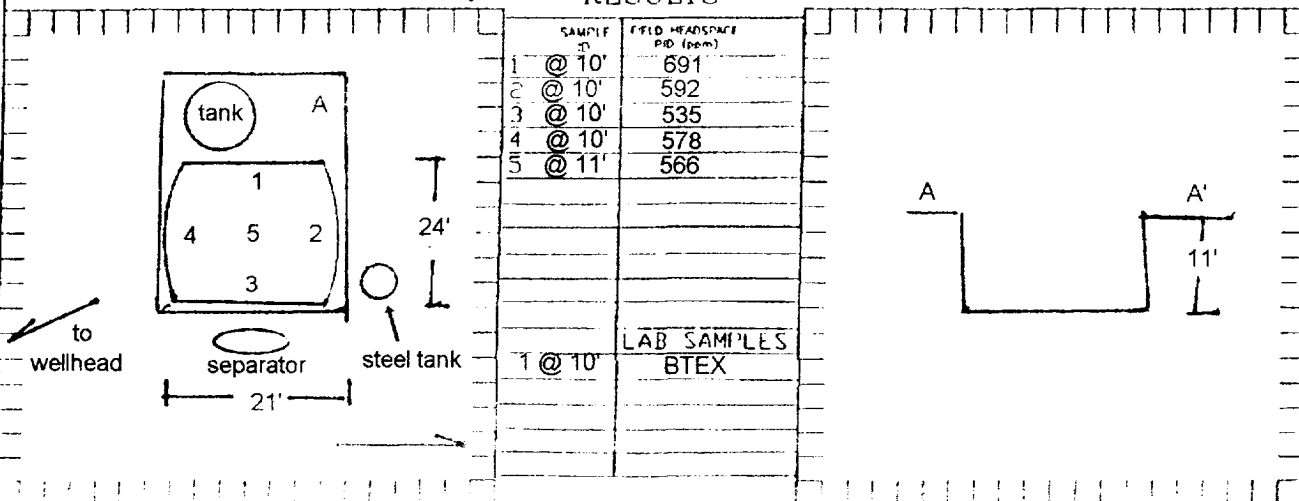
0 FEET

PIT PERIMETER

North

OVM
RESULTS

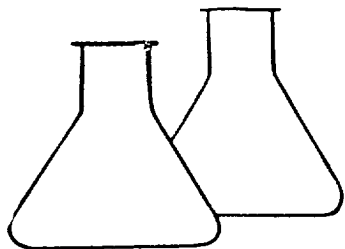
PIT PROFILE



TRAVEL NOTES

CALLOUT: 7/25/94

ONSITE: 7/24/94



EL VIROTECH 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:	1 @ 10'	Date Analyzed:	7-25-94
Project Location:	San Juan 32-7 #51	Date Reported:	7-26-94
Laboratory Number:	GAC0613	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/Production Pit PA221

Al Gunther
Analyst

Morris S. Young
Review

CHAIN OF CUSTODY RECORD

PA221

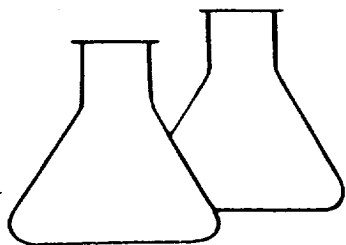
Client/Project Name			Project Location			ANALYSIS/PARAMETERS											
Sampler: (Signature)			Chain of Custody Tape No.														
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers									Remarks			
0101	7/25/94	1514	7743	Soil	1	BTEX (8020)								copied. p.t			
Relinquished by: (Signature)			Date			Time			Received by: (Signature)			Date			Time		
Cl Guntz			7/25/94			1645			Not signed			7/25/94			1645		
Relinquished by: (Signature)			Date			Time			Received by: (Signature)			Date			Time		
Relinquished by: (Signature)			Date			Time			Received by: (Signature)			Date			Time		

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmingington, New Mexico 87401

(505) 632-0615



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	PHILLIPS	Project #:	93163
Sample ID:	1010'	Date Reported:	08-10-94
Laboratory Number:	7743	Date Sampled:	07-25-94
Sample Matrix:	Soil	Date Received:	07-25-94
Preservative:	Cool	Date Analyzed:	08-10-94
Condition:	Cool & Intact	Date Extracted:	08-10-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	13.1
Toluene	ND	13.1
Ethylbenzene	30.7	13.1
p,m-Xylene	23.8	13.1
o-Xylene	93	13.1

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromfluorobenzene	105 %

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

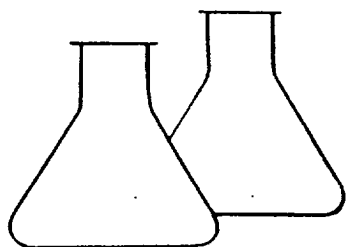
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: SAN JUAN 32-7 # 51 SEP\PROD PIT PA221

Ray L. Gaffin
Analyst

Maris D. Young
Review



ENVIROTECH LABS

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

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

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	08-15-94
Laboratory Number:	0811BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	08-11-94
Condition:	NA	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.3
Toluene	ND	0.4
Ethylbenzene	ND	0.3
p,m-Xylene	ND	0.3
o-Xylene	ND	0.3

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	102 %
	Bromofluorobenzene	128 %

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

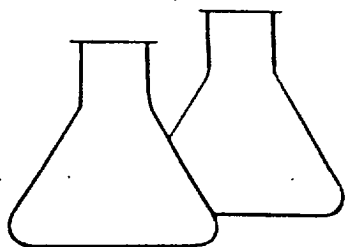
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Rex L. Griffin
Analyst

Morris D. Young
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE REPORT
METHOD 8020 BTEX

MATRIX DUPLICATE
AROMATIC VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	08-15-94
Laboratory Number:	7765 DUPLICATE	Date Sampled:	08-02-94
Sample Matrix:	Water	Date Received:	08-02-94
Preservative:	HgCl and Cool	Date Analyzed:	08-11-94
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Percent Difference
Benzene	0	0	0.9
Toluene	15.2	16.0	5.4
Ethylbenzene	3.0	3.7	18.7
p,m-Xylene	ND	ND	0.0
o-Xylene	ND	ND	0.0

QA ACCEPTANCE CRITERIA: Administrative control limit set
at maximum of 30% difference.

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:

Ray L. Gaffin
Analyst

Mavis S. Young
Review

ENVIROTECH Inc

5790 US HWY 84, FARMINGTON, NM 87401
(505) 632-0615

PIT No: PA 221
C.O.C #: _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 93163
PAGE No: 1 of 1

FACILITY LOCATION: San Juan 32-7 #57
SOURCE LOCATION: _____
SOURCE LOCATION: _____
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: Landfarm PIT TYPE: _____

DATE STARTED: 10/3/94
DATE FINISHED: 10/3/94

ENVIRONMENTAL SPECIALIST: CJC/HMB

SOIL REMEDIATION: QUANTITY: 150 yds. # OF COMP. SAMPLES: 1

DIMENSIONS: 75' X 72' X 75'

VISIBLE OBSERVATIONS: Clay/sand, dry, no odor, tan gray, brown.

SAMPLING PLAN: 1 - 5 point composite sample

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 36 YARDS N FROM WELLHEAD.

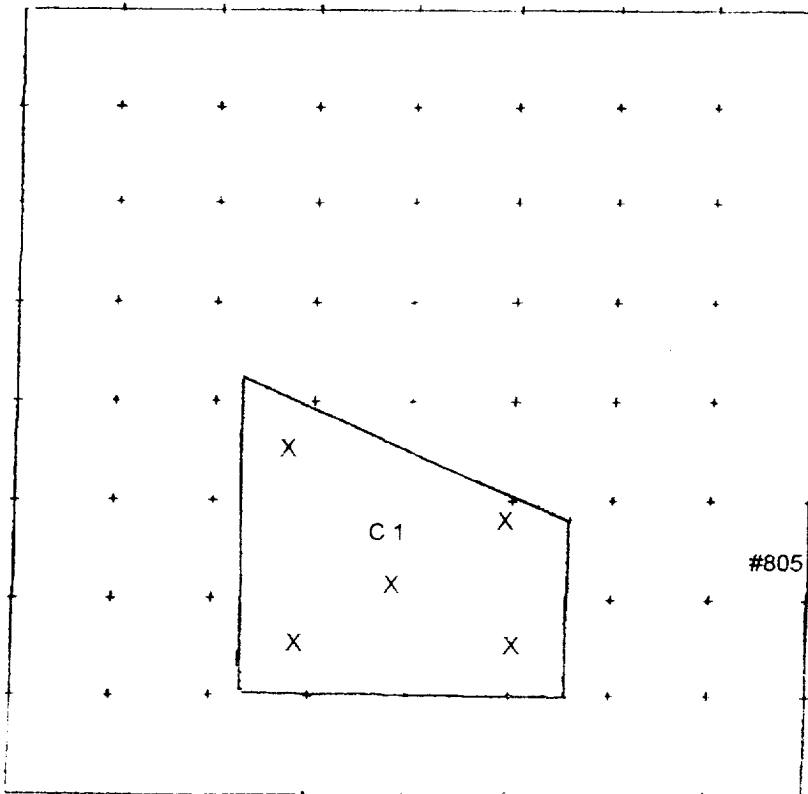
DEPTH TO GROUNDWATER: 180'
NEAREST WATER SOURCE/TYPE: N/A
NEAREST SURFACE WATER: N/A
MAX TPH PER NMOCB: 5000

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

C1: 20 ml/10.41g X 10 X 190 = 3650.3 ppm

FACILITY DIAGRAM

GRID SCALE: 1" = 40'

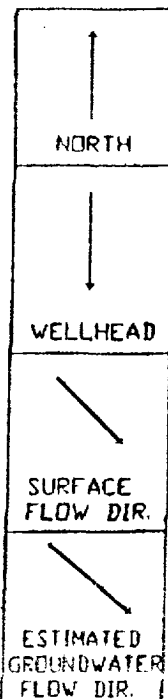


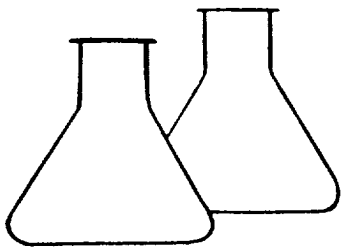
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PPM (ppm)
C 1	16

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM
C 1	TPH	3650





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:	C-1	Date Analyzed:	10-03-94
Project Location:	San Juan 32-7 # 51 PC	Date Reported:	10-03-94
Laboratory Number:	GAC0805	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	3,650	96

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	60	56	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: Separator Pit PA221

P. Jack Collins
Analyst

Marion D. Young
Review