

*Denny S. Faust*  
District I  
**DEPUTY OIL & GAS INSPECTOR**  
District II  
P.O. Drawer 111, Artesia, NM 87003  
District III  
FEB 26 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 - 8 Unit # 50

Well Name

Location: Unit or Qtr/Qtr Sec NWNW Sec 28 T 32N R 8W County San Juan

Pit Type: Separator X Dehydrator \_\_\_\_\_ Other \_\_\_\_\_

Land Type: BLM X State \_\_\_\_\_ Fee \_\_\_\_\_ Other \_\_\_\_\_

Pit Location: Pit dimensions: Length 23 ft width 23 ft depth 3.5 ft  
(Attach diagram)

Reference- wellhead X other \_\_\_\_\_

Footage from reference: 60 ft

Direction from reference: 70 Degrees \_\_\_\_\_ East North X  
of  
X West South \_\_\_\_\_

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

Wellhead Protection Area: RECEIVED  
(less than 200 feet from a private OCT 31 1997  
domestic water source, or: less than OIL CON. DIV.  
1000 feet from all other water sources DIST. 2  
X 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: 6/9/94

Dated Completed: 6/9/94

Excavation X

Approx. cubic yards 0

Landfarmed \_\_\_\_\_

Insitu Bioremediation \_\_\_\_\_

Other \_\_\_\_\_

Remediation Method:

Onsite NA

Offsite \_\_\_\_\_

(Check all appropriate  
sections)

General Description of Remedial Action- The pit was assessed on 6/9/94. A sample was extracted 3 feet below original pit bottom. The sample was analyzed for TPH and BTEX and was found to be within NMOCD and BLM guidelines. 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 assessment field report form

Sample depth 6' below ground level

Sample date 6/9/94

Sample time 13:00

Sample Results

Benzene(ppm) ND

Total BTEX (PPM) 10.84

Field Headspace (ppm) \_\_\_\_\_

TPH 2478 ppm

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

10/27/97

PRINTED NAME

Bob Wirtanen

SIGNATURE

RAW

and TITLE

Sr. Safety & Environmental Specialist

\_\_\_\_\_

PIT NO: PA 178

C.O.C. NO. 3726

JOB No: 93163  
PAGE No: 1 of 1

DATE STARTED: 6/9/94  
DATE FINISHED: CLG  
ENVIRO SPCLT: \_\_\_\_\_  
OPERATOR: Cimarron  
ASSISTANT: \_\_\_\_\_

LAND USE: Range - Lease # SF - 079341 - A  
SURFACE CONDITIONS: ~~Earthen Pit - Dry - No visible staining~~

PIT CENTER IS LOCATED APPROXIMATELY 60 FEET N73W OF WELLHEAD.

T1 = Dark gray sand, odor, slightly moist : Bedrock at 6 feet

FIELD 418.1 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
T1 @ 6'	Gac0530				1239	2478

DEPTH TO GROUNDWATER: > 100 feet  
NEAREST WATER SOURCE/TYPE: > 1000 feet  
NEAREST SURFACE WATER: > 1000 feet  
NMOC PANKING SCORE: 0  
NMOC TPH CLOSURE STD: 5000 ppm

SAMPLE INVENTORY		
SMPL ID	SMPL TYPE	LABORATORY ANALYSIS
T1 @ C	soil	BTEX

[illegible]

0 FEET

## SITE DIAGRAM

TH# 1

SOIL	SMPLE OVM,
DATE	DATE

Pit Bottom

SP Grb &gt;252

TD @ 6 ft

Bedrock

TII#

SOIL TYPE:	SMPLE TYPE:	OVM/TON
CLAY	CLAY	CLAY
SAND	SAND	SAND
GRAVEL	GRAVEL	GRAVEL
ROCK	ROCK	ROCK

TH#

SOIL	SMPL	QVM
TYPE	TYPE	TRM

THH

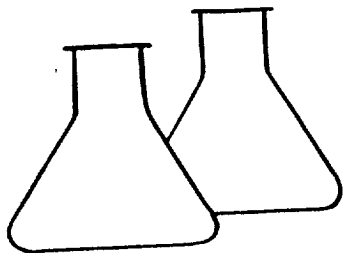
SOIL TYPE:	SAMPL TYPE:	QVM IBM
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

Separator.

To wellhead

## Surface Gradient

Soils: DPE: C - Clay, M - Silt, S - Sand, G - Gravel Plasticity: L - None, H - Plastic Grading: P - Poorly, W - Well



# 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:	T1 @ 6'	Date Analyzed:	6-9-94
Project Location:	San Juan 32-8 #50MV	Date Reported:	6-13-94
Laboratory Number:	GAC0530	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	2478	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

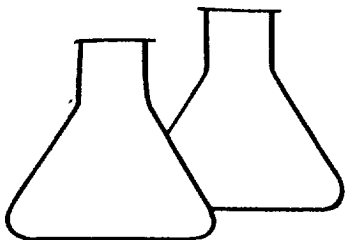
\*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA178

CLGumilla  
Analyst

Mavis 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:	Phillips	Project #:	93163
Sample ID:	T1 @ 6'	Date Reported:	06-13-94
Laboratory Number:	7580	Date Sampled:	06-09-94
Sample Matrix:	Soil	Date Received:	06-09-94
Preservative:	Cool	Date Extracted:	06-09-94
Condition:	Cool & Intact	Date Analyzed:	06-14-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	13.3
Toluene	580	33.3
Ethylbenzene	284	13.3
p,m-Xylene	9000	13.3
o-Xylene	980	13

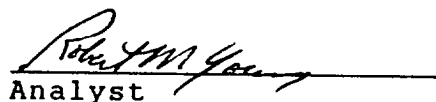
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromofluorobenzene	127 %

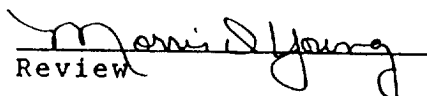
Method: Method 5030, Purge-and-Trap, Test Methods for  
Evaluating Solid Waste, SW-846, USEPA, July 1992

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: San Juan 32-8 50mv PA178.

  
Analyst

  
Review

PA 178

[illegible]

5796 U.S. Highway 64-3014

**(505) 632-0615**