

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Box 1980, Hobbs, NM

District III

DEPUTY OIL & GAS INSPECTOR

1000 Rio Grande 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

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

JAN 13

## PIT REMEDIATION AND CLOSURE REPORT

AC005

Operator: Amoco Production Company Telephone: (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Michener A LS 2 30-045-07066  
Well Name

Location: Unit or Qtr/Qtr Sec A Sec 31 T 28N R 9W County San Juan

Pit Type: Separator    Dehydrator    Other blow

Land Type: BLM ✓, State   , Fee   , Other   

Pit Location: Pit dimensions: length 11', width 11', depth 9'  
(Attach diagram)

Reference: wellhead ✓, other   

Footage from reference: 75

Direction from reference: 80 Degrees ✓ East North ✓  
of  
   West South   

### Depth To Ground Water:

(Vertical distance from  
contaminants to seasonal  
high water elevation of  
ground water)

Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
Greater than 100 feet (0 Points) 0

### 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)  
No (0 points) 0

### Distance To Surface Water:

(Horizontal distance to perennial  
lakes, ponds, rivers, streams, creeks,  
irrigation canals and ditches)

Less than 200 feet (20 points)  
200 feet to 1000 feet (10 points)  
Greater than 1000 feet (0 points) 0

Date Remediation Started: \_\_\_\_\_ Date Completed: 5/13/94

Remediation Method: Excavation ☒ Approx. cubic yards 40  
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

Remediation Location: Onsite ☒ Offsite \_\_\_\_\_  
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: \_\_\_\_\_  
Excavation  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Ground Water Encountered: No ☒ Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit: Closure Sampling: \_\_\_\_\_  
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 9'

Sample date 5/13/94 Sample time 1140

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 0.604

Field headspace(ppm) 375

TPH 29.6 ppm

Ground Water Sample: Yes \_\_\_\_\_ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 5/24/94

SIGNATURE

B. Shaw

PRINTED NAME  
AND TITLE

Buddy D. Shaw

results copied to Johnny 5/25/94

lease # SF-077107 elev. 6046'

CLIENT: Amoco **ENVIROTECH Inc.** PIT NO: 10005  
5796 US HWY. 64, FARMINGTON, NM 87401 C.O.C. NO: 3620  
(505) 632-0615

FIELD REPORT: CLOSURE VERIFICATION		JOB No: <u>92140</u>
		PAGE No: <u>1</u> of <u>1</u>
LOCATION: LEASE: <u>Michener ALS</u>	WELL #: <u>2</u>	PIT: <u>blow</u>
UNIT: <u>A</u>	SEC: <u>31</u> TWP: <u>28N</u> RNG: <u>9W</u>	BM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>
CONTRACTOR: <u>EPC</u>		DATE STARTED: _____
		DATE FINISHED: <u>5/13/94</u>
		ENVIRONMENTAL SPECIALIST: <u>CLG</u>

SOIL REMEDIATION: EXCAVATION APPROX. 11 FT. x 11 FT. x 9 FT. DEEP.  
DISPOSAL FACILITY: landfarmed on-site  
LAND USE: range

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 75 FEET N80°E FROM WELLHEAD  
DEPTH TO GROUNDWATER: >100 NEAREST SURFACE WATER: >1000 NEAREST WATER SOURCE: >1000  
NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

## SOIL AND EXCAVATION DESCRIPTION:

SOIL AND EXCAVATION DESCRIPTION:  
dark yellow brown sand; slightly moist; decided to dig more out from the bottom with the CVM result from 7'; excavation stopped at 9' (still sandy material)  
blow pit still active

soil sample collected for TPH(418.1) and BTEX(802g) - (SA) @ 9' time 1140

FIELD 418.1 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

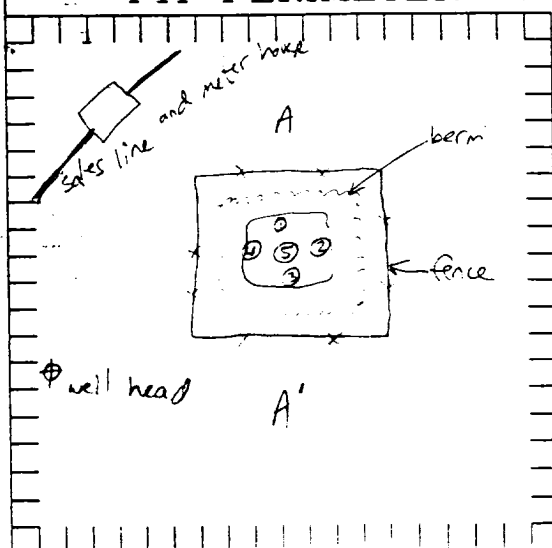
**SCALE**



0

FEET

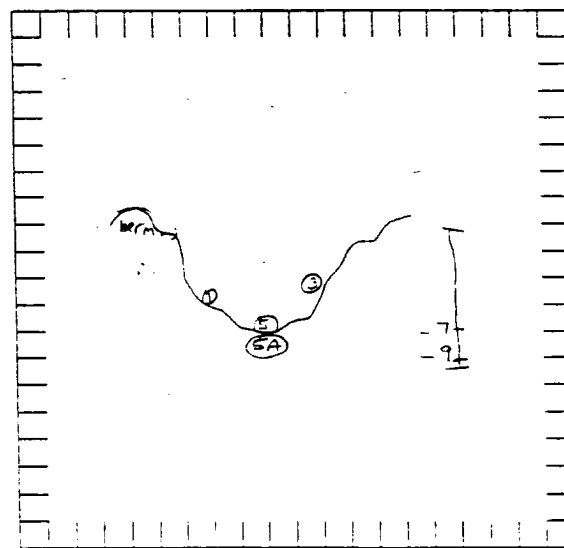
# PIT PERIMETER



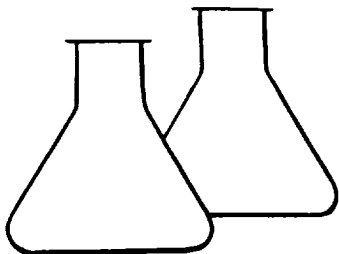
## OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
①25	10
②26'	18
③24'	26
④24'	7
⑤27'	587
⑥29'	375
⑦	
⑧	
⑨	
⑩	
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## PIT PROFILE



TRAVEL NOTES:	CALL OUT:	5/12/91	ONSITE:	5/13/91
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# 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:	Amoco	Project #:	92140
Sample ID:	5A @ 9'	Date Sampled:	05-13-94
Laboratory Number:	7416	Date Received:	05-13-94
Sample Matrix:	Soil	Date Analyzed:	05-20-94
Preservative:	Cool	Date Reported:	05-20-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	29.6	15.0

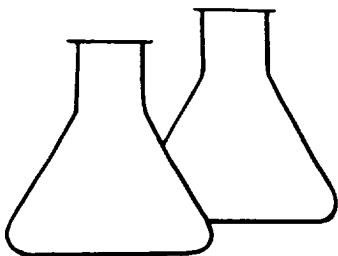
ND = Parameter not detected at the stated detection limit.  
N/A = Not applicable

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

Comments: Michener ALS2 Blow Pit C0005

Tony Tristano  
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:	Amoco	Project #:	92140
Sample ID:	5A @ 9'	Date Reported:	05-17-94
Laboratory Number:	7416	Date Sampled:	05-13-94
Sample Matrix:	Soil	Date Received:	05-13-94
Preservative:	Cool	Date Extracted:	05-16-94
Condition:	Cool & Intact	Date Analyzed:	05-16-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	19.6
Toluene	184	49.1
Ethylbenzene	36.9	19.6
p,m-Xylene	292	29.5
o-Xylene	91	19.6

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

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: Michener A LS 2 Blow Pit A0005

*Dennis L. Michener*  
Analyst

*Marion D. Young*  
Review