District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
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

A0079

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or Well Name: Jack Frost "B" #2

Location: Unit or Qtr/Qtr Sec D Sec 27 T 29N R 10W County San Juan

Pit Type: Separator ___ Dehydrator ___ Other Blow

Land Type: BLM ✓, State ___, Fee ___, Other ___

Pit Location: (Attach diagram) Pit dimensions: length 25, width 25, depth 8

Reference: wellhead ✓, other ___

Footage from reference: 300

Direction from reference: 50 Degrees ✓ East North ___ of ___ West South ✓

DEPUTY OIL & GAS INSPECTOR
DEC 19 1996

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)	20
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
	RANKING SCORE (TOTAL POINTS):	20

Date Remediation Started: _____ **Date Completed:** 13 July 1994

Remediation Method: (Check all appropriate sections)
Excavation ✓ Approx. cubic yards 185
Landfarmed ✓ Insitu Bioremediation ___
Other _____

Remediation Location: (ie. landfarmed onsite, name and location of offsite facility)
Onsite ✓ Offsite _____

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 3'

Sample date 13 July 94 Sample time _____

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 0.34

Field headspace(ppm) 306

TPH 62 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 13 July 1994

SIGNATURE BD Shaw

PRINTED NAME AND TITLE Buddy D. Shaw, Environmental Coordinator

CLIENT: Amoco

ENVIROTECH Inc.

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

PIT NO: A0079
C.O.C. NO: 3804

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140
PAGE No: 1 of 1

LOCATION: NAME: Jack Frost "B" WELL #: 2 PIT: B/ow
QUAD/UNIT: (D) SEC: 27 TWP: 27N RNG: 10W BM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: NW/4 NW/4 CONTRACTOR: EPL

DATE STARTED:
DATE FINISHED: 13 July 94
ENVIRONMENTAL SPECIALIST: FM

SOIL REMEDIATION: EXCAVATION APPROX. 25 FT. x 25 FT. x 8 FT. DEEP.
DISPOSAL FACILITY: Land Farm - On Site CUBIC YARDAGE: 185
LAND USE: Range LEASE: SF-077951A

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 300 FEET 50° ENE FROM WELLHEAD.
DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

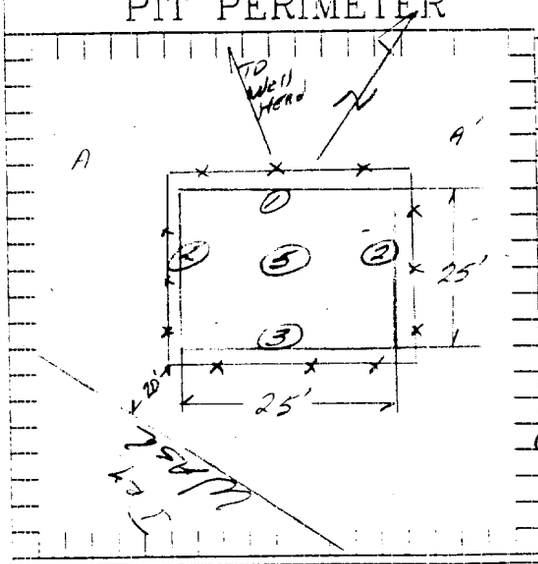
SOIL AND EXCAVATION DESCRIPTION: Soil is yellow-Brown Silty Sand w/ white Silty Sand on North wall, Soil is Slightly moist w/ Bary shale @ TD = 8'

FIELD 418.1 CALCULATIONS

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

SCALE
0 FEET

PIT PERIMETER



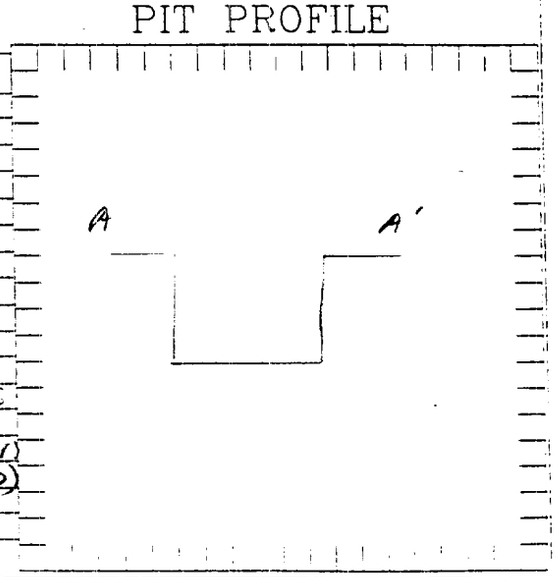
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 6'	56
2 @ 6'	2.8
3 @ 6'	1.7
4 @ 6'	3.2
5 @ 8'	306

LAB SAMPLES

(5) @ 8' TPH (418.1)
BTEX (8020)

PIT PROFILE



TRAVEL NOTES CALLOUT: ONSITE:

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:	5 @ 8'	Date Sampled:	07-13-94
Laboratory Number:	7720	Date Received:	07-13-94
Sample Matrix:	Soil	Date Analyzed:	07-19-94
Preservative:	Cool	Date Reported:	07-21-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	62	10.0

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: Jack Frost "B" #2 Blow Pit A0079.

Analyst

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:	5@8'	Date Reported:	07-27-94
Laboratory Number:	7720	Date Sampled:	07-13-94
Sample Matrix:	Soil	Date Received:	07-13-94
Preservative:	Cool	Date Extracted:	07-18-94
Condition:	Cool & Intact	Date Analyzed:	07-26-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	20.1
Toluene	93	20.1
Ethylbenzene	43	13.4
p,m-Xylene	130	20.1
o-Xylene	74	20.1

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Trifluorotoluene	96 %
Bromofluorobenzene	109 %

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: Jack Frost "B" #2 Blow Pit A0079

Analyst

Review