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 T
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

DEPUTY OIL & GAS INSPECTOR

JAN 13

PIT REMEDIATION AND CLOSURE REPORT

A0019

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Elliott GC C 1
Well Name

Location: Unit or Qtr/Qtr Sec G Sec 9 T 30N R 9W County San Juan

Pit Type: Separator ___ Dehydrator ___ Other blow

Land Type: BLM ✓, State ___, Fee ___, Other com. AGMT.

Pit Location: (Attach diagram)
Pit dimensions: length 19', width 20', depth 7'
Reference: wellhead ✓, other ___
Footage from reference: 220
Direction from reference: 44 Degrees ✓ East North ___ of ___ West South ✓

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DIST. 3

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
	RANKING SCORE (TOTAL POINTS):	0

Date Remediation Started: _____ **Date Completed:** 5/19/94

Remediation Method: (Check all appropriate sections) Excavation ✓ Approx. cubic yards 99

Landfarmed ✓ Insitu Bioremediation ___

Other _____

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

General Description Of Remediation 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 5' + 7'

Sample date 5/19/94 Sample time _____

Sample Results

Benzene(ppm) 0.08 @ 5'

Total BTEX(ppm) 39.8 @ 5'

Field headspace(ppm) 625 @ 5'

TPH 217 ppm @ 7'

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 5/20/94

SIGNATURE B J Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

K 20

RESULTS TO EARL R. 6-1-94 A60 lease # SF-078139

CLIENT: Amoco

ENVIROTECH Inc.

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

PIT NO: A0019
C.O.C. NO: 3652

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140
PAGE No: 1 of 1

LOCATION: LEASE: Elliott GC C WELL #: 1 PIT: blow
UNIT: G SEC: 9 TWP: 30N RNG: 9W BM: NM CNTY: SJ ST: NM
CONTRACTOR: Moss Excavation

DATE STARTED:
DATE FINISHED: 5/19/94
ENVIRONMENTAL SPECIALIST: CLS

SOIL REMEDIATION: EXCAVATION APPROX. 19 FT. x 20 FT. x 7 FT. DEEP.
DISPOSAL FACILITY: land-farmed on-site
LAND USE: range

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 220 FEET S44E FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100 NEAREST SURFACE WATER: >1000 NEAREST WATER SOURCE: >1000
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

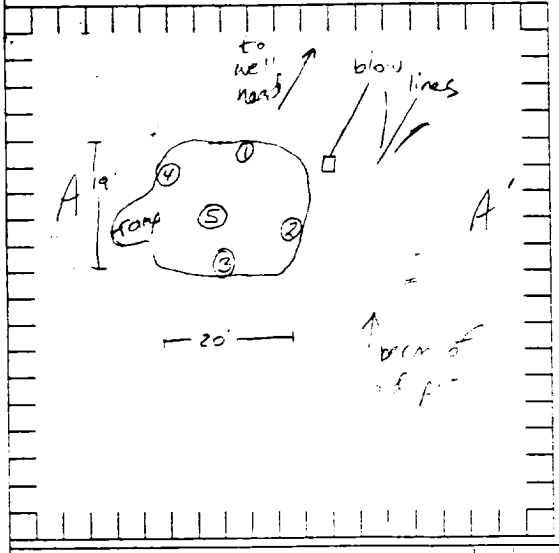
SOIL AND EXCAVATION DESCRIPTION:
excavation sides and floor are rock. 2 buckets of soil were removed from under blow lines, but contamination was observed by Moss to follow the rock to the excavation area.
sand is grey to yellow brown; very cohesive/consolidated; non-plastic; slightly moist

FIELD 418.1 CALCULATIONS

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

SCALE
0 FEET

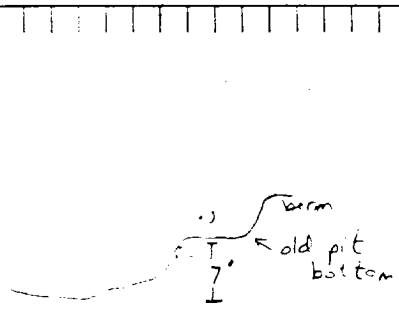
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
① @ 5'	3
② @ 5'	625
③ @ 6'	602
④ @ 5'	205
⑤ @ 7'	516
⑤ for TPH	8.1
② for BTEX (8020)	

PIT PROFILE



TRAVEL NOTES: CALLOUT: 5/17/94 ONSITE: 5/19/94

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 @ 7'	Date Sampled:	05-19-94
Laboratory Number:	7468	Date Received:	05-20-94
Sample Matrix:	Soil	Date Analyzed:	05-26-94
Preservative:	Cool	Date Reported:	05-26-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	217	25.0

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: Elliott GC C1 Blow Pit A0019

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:	2 @ 5'	Date Reported:	05-20-94
Laboratory Number:	7469	Date Sampled:	05-19-94
Sample Matrix:	Soil	Date Received:	05-20-94
Preservative:	Cool	Date Extracted:	05-20-94
Condition:	Cool & Intact	Date Analyzed:	05-20-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	80	19.3
Toluene	1,080	38.5
Ethylbenzene	630	19.3
p,m-Xylene	26,800	48.2
o-Xylene	11,200	28.9

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Trifluorotoluene	99 %
Bromofluorobenzene	101 %

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: Elliott GC C 1 Blow Pit A0019

Analyst

Review