

District I

P.O. Box 1980, Hobbs, NM

District II

DEPUTY OIL & GAS INSPECTOR

District III

1000 Rio Brazos, Amoco, NM 87410

FEB 06 1997

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

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility or: ATLANTIC A 19
Well Name

Location: Unit or Qtr/Qtr Sec 935' FNL 1775' FEL (B) sec 27 T 31N R 10W County SAN JUAN

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 20', width 20', depth 9'
(Attach diagram)

Reference: wellhead ☒ other ☐

Footage from reference: 150'

Direction from reference: 20 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

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 4/19/94

Remediation Method: Excavation ☒
(Check all appropriate sections)

Approx. cubic yards 150

Landfarmed ☒

In situ Bioremediation _____

Other _____

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

General Description Of Remedial Action: Pit excavated, with removed soils
Thin spread on site

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 "Closure Verification" Sheet

Sample depth 9'

Sample date 4-19-94

Sample time _____

Sample Results

Benzene(ppm) 0.9

Total BTEX(ppm) 321

Field headspace(ppm) _____

TPH 3260 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 4/19/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

Field notes on 4/15/94 Delivered to C. Richardson on 4/25/94 via Jerry Steig, Lab to ER 4/25/94 pmg

CLIENT: <u>Amoco</u>	<u>ENVIROTECH Inc.</u>	PIT NO: <u>C4368</u>
5796 US HWY. 64, FARMINGTON, NM 87401 (505) 632-0615		C.O.C. NO: <u>3522</u>

FIELD REPORT: CLOSURE VERIFICATION	JOB No: <u>92140</u>
LOCATION: LEASE: <u>ATLANTIC A</u> WELL #: <u>19</u> PIT: <u>SEP</u>	PAGE No: <u>1</u> of <u>1</u>
UNIT: <u>935' FNL</u> SEC: <u>27</u> TWP: <u>31N</u> RNG: <u>10W</u> BM: <u>NMPM</u> CNTY: <u>ST</u> ST: <u>NM</u>	DATE STARTED: <u>4/19/94</u>
CONTRACTOR: <u>Moss Excavation</u>	DATE FINISHED: <u>4/19/94</u>
ENVIRONMENTAL SPECIALIST: <u>Rmy</u>	

SOIL REMEDIATION: EXCAVATION APPROX. 20 FT. x 20 FT. x 9' FT. DEEP.
DISPOSAL FACILITY: On-Site Landfarm
LAND USE: Range Lease # NM 0606 AMO ELEV 6221g

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 150 FEET S20°W FROM WELLHEAD.
DEPTH TO GROUNDWATER: 2750' NEAREST SURFACE WATER: >1000' NEAREST WATER SOURCE: >1000'
NMOC D RANKING SCORE: 10 NMOC D TPH CLOSURE STD: 1000 PPM

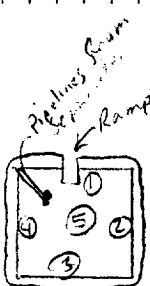
SOIL AND EXCAVATION DESCRIPTION:
4"-6" Soil Covering bedrock is saturated w/ Hydrocarbons. No discoloration noted. DDOR only noticeable in bottom (directly above bedrock). Contamination appears to be very light. Aeration of pit is Recommended.

FIELD 418.1 CALCULATIONS

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

SCALE 0 10 20 FEET

PIT PERIMETER



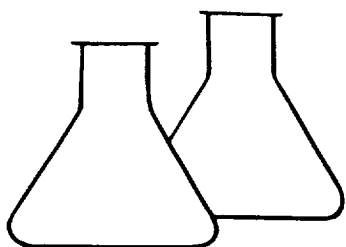
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
107'	231 ppm
208'	27.8 ppm
309'	59.1 ppm
408'	214 ppm
509'	397 ppm

PIT PROFILE

Uniform Sidewall Profile.
Silty Sand. Pale Yellowish brown, loose, non-coh,
Moist, No Visible Contaminant apparent odor.

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:	CB @ 9' bgs	Date Sampled:	04-19-94
Laboratory Number:	7243	Date Received:	04-19-94
Sample Matrix:	Soil	Date Analyzed:	04-22-94
Preservative:	Cool	Date Reported:	04-22-94
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	3,260	20.0

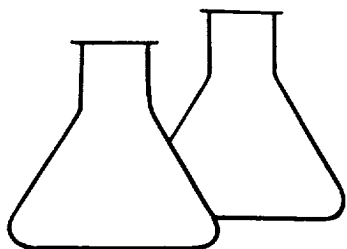
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Atlantic A-19 Sep Pit C4368

Tony Tristano
Analyst

Marion 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:	CB @ 9' bgs	Date Reported:	04-20-94
Laboratory Number:	7243	Date Sampled:	04-19-94
Sample Matrix:	Soil	Date Received:	04-19-94
Preservative:	Cool	Date Extracted:	04-20-94
Condition:	Cool & Intact	Date Analyzed:	04-20-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	910	19.6
Toluene	29,600	49
Ethylbenzene	17,900	19.6
p,m-Xylene	141,600	29.5
o-Xylene	130,700	19.6

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	101 %
	Bromofluorobenzene	98 %

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: Atlantic A-19 Separator Pit C4368

Analyst

Review