

District I
P.O. Box 1980, Hobbs, NM
~~District II~~
P.O. Drawer 60, Artesia, NM 88211
DEPUTY OIL & GAS INSPECTOR
1000 Rio Brazos Rd, Aztec, NM 87410
JAN 11 3

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

A0018

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: Johnston LS 8
Well Name
Location: Unit or Qtr/Qtr Sec G Sec 17 T 28N R 9W County San Juan
Pit Type: Separator Dehydrator Other production
Land Type: BLM ✓, State , Fee , Other

Pit Location: Pit dimensions: length 35', width 46', depth 15'
(Attach diagram) Reference: wellhead ✓, other
Footage from reference: 110
Direction from reference: 6 Degrees East North
of
✓ West South ✓

RECEIVED
JUN 23 1994

Depth To Ground Water: **OIL CON. DIV.** Less than 50 feet (20 points)
(Vertical distance from **DIST. 3** 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 0
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

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, Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____

Date Completed: 5/19/94

Remediation Method: Excavation ☒
(Check all appropriate sections)

Landfarmed ☒

Other _____

Approx. cubic yards 894

Insitu Bioremediation _____

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: _____

Sample location see Attached Documents

Closure Sampling: _____

(if multiple samples,
attach sample results
and diagram of sample
locations and depths)

Sample depth 15'

Sample date 5/19/94

Sample time _____

Sample Results

Benzene(ppm) ND ps @ 11'

Total BTEX(ppm) 11.3 ps @ 11'

Field headspace(ppm) 15 cc @ 15'

TPH 198 ppm cc @ 15'

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. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

CLIENT: Amoco

ENVIROTECH Inc.

PIT NO: A0018

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

C.D.C. NO: 3649

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140

PAGE No: 1 of 1

LOCATION: LEASE: Johnston LS WELL #: 8 PIT: prod.

DATE STARTED: _____

UNIT: G SEC: 17 TWP: 28N RNG: 9W BM: NM CNTY: ST ST: NM

DATE FINISHED: 5/19/04

CONTRACTOR: EPC

ENVIRONMENTAL SPECIALIST: *CLG*

SOIL REMEDIATION: EXCAVATION APPROX. 35 FT. x 46 FT. x 15 FT. DEEP.

DISPOSAL FACILITY: landfilled on-site

LAND USE: Range

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 110 FEET S6W FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100 NEAREST SURFACE WATER: >1000 NEAREST WATER SOURCE: >1000

NMOCB RANKING SCORE: 0 NMOCB TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

DESCRIPTION: prod. tank inhibited further excavation

soil = dark yellow brown sand, slightly moist, slightly cohesive, non plastic

FIELD 418.1 CALCULATIONS

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

SCALE

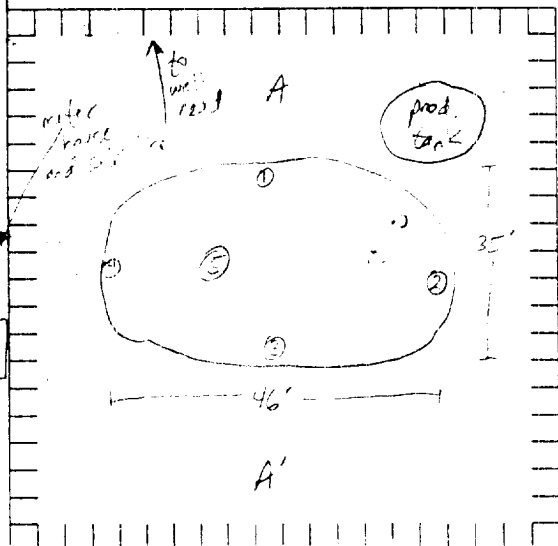
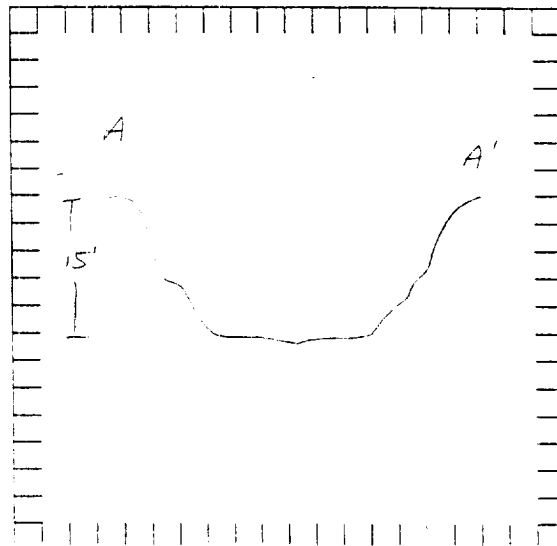
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FEET

PIT PERIMETER

OVM RESULTS

PIT PROFILE

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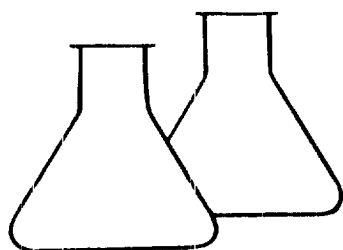
TRAVEL NOTES:

CALLOUT:

5/18/94

ON SITE

 $\frac{1}{2} \ln \frac{a}{a}$



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 @ 15'	Date Sampled:	05-19-94
Laboratory Number:	7464	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	198	25.0

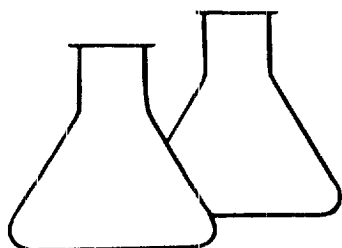
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Johnston LS 8 Prod Pit A0018

Tony Tistone
Analyst

Marisa 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:	1 @ 11'	Date Reported:	05-20-94
Laboratory Number:	7465	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	ND	19.6
Toluene	910	39.2
Ethylbenzene	720	19.6
p,m-Xylene	7,200	49.0
o-Xylene	2,480	29.4

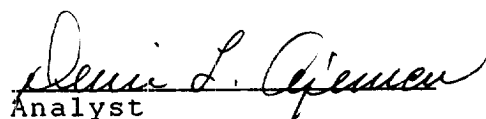
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	97 %
	Bromofluorobenzene	97 %

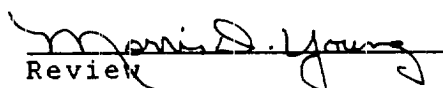
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

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: Johnston LS 8 Production Pit A0018


Analyst


Review

District I
P.O. Box 1980, Hobbs, NM
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P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

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SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

A0018

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility or: Johnston LS 8
Well Name
Location: Unit or qtr/qtr Sec G Sec 17 T 28N R 9W County San Juan
Pit Type: Separator Dehydrator Other blow
Land Type: BLM ☒, State ☐, Fee ☐, Other ☐

Pit Location: Pit dimensions: length 14', width 15', depth 10'
(Attach diagram) Reference: wellhead ☒, other ☐
Footage from reference: 150
Direction from reference: 63 Degrees ☒ East North ☒
of
West South ☐

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 0
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

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, Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

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

Remediation Method: Excavation ☒
(Check all appropriate sections)

Approx. cubic yards 78

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:

Sample location see Attached Documents

Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 10'

Sample date 5/19/94

Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 58

TPH 70 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 5/20/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

FE

results copied to Johnny 5/31/94

lease # NM-04202 ^{cler.} 5878

CLIENT: <u>Amoco</u>	ENVIROTECH Inc. 5796 US HWY. 64, FARMINGTON, NM 87401 (505) 632-0615	PIT NO: <u>A0018</u> C.O.C. NO: <u>3651</u>
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FIELD REPORT: CLOSURE VERIFICATION		JOB No: <u>92140</u> PAGE No: <u>1</u> of <u>1</u>
LOCATION: LEASE: <u>Johnston LS</u>	WELL #: <u>8</u>	PIT: <u>How</u>
UNIT: <u>G</u> SEC: <u>17</u> TWP: <u>28N</u>	RNG: <u>9W</u> BM: <u>NM</u> CNTY: <u>ST</u>	ST: <u>NM</u>
CONTRACTOR: <u>EPC</u>		DATE STARTED: <u>5/19/94</u> DATE FINISHED: <u>5/19/94</u> ENVIRONMENTAL SPECIALIST: <u>CLG</u>

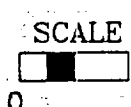
SOIL REMEDIATION: EXCAVATION APPROX. 14 FT. x 15 FT. x 10 FT. DEEP.
DISPOSAL FACILITY: landfilled on-site
LAND USE: range

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 150 FEET N63E FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100 NEAREST SURFACE WATER: >1000 NEAREST WATER SOURCE: >1000
NMOC RANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM

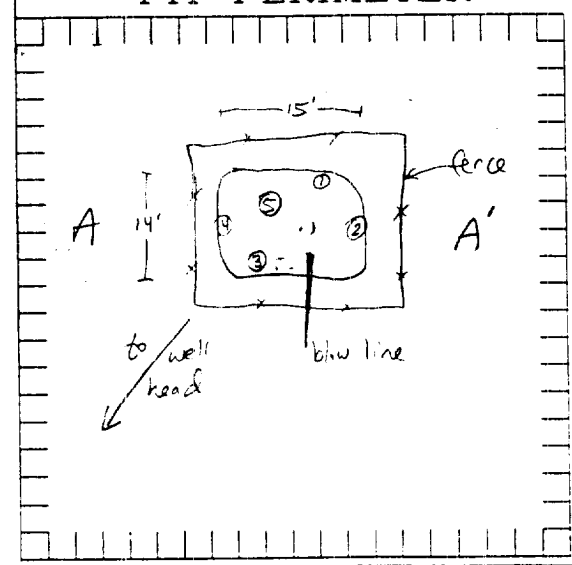
SOIL AND EXCAVATION DESCRIPTION:
dark yellow brown sand; slightly moist; slightly cohesive; non-plastic

FIELD 418.1 CALCULATIONS

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



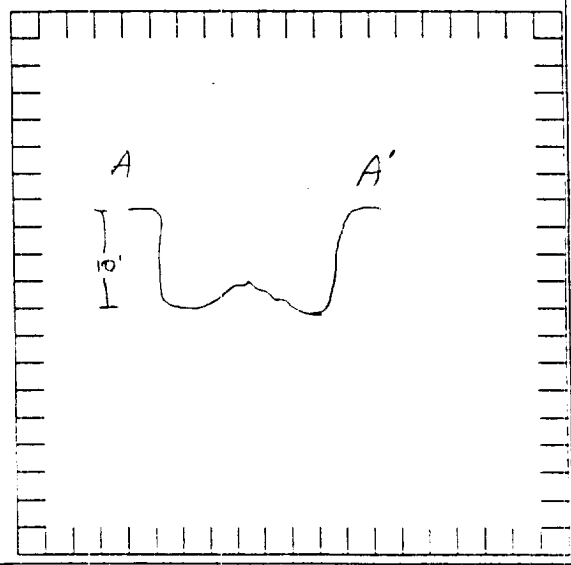
PIT PERIMETER



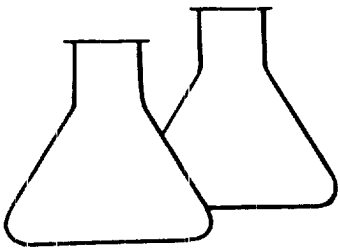
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
N 08 8'	11
E 20 8'	17
S 08 8'	3
W 08 8'	2
CB 08 10'	58
56r TPH (418.1)	

PIT PROFILE



TRAVEL NOTES: CALLOUT: 5/12/94 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 @ 10'	Date Sampled:	05-19-94
Laboratory Number:	7467	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	70	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: Johnston LS 8 Blow Pit A0018

Tony Testano
Analyst

Maris D Young
Review

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

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APPROPRIATE
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AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

A0018

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility or: Johnston LS 8
Well Name

Location: Unit or Qtr/Qtr Sec G Sec 17 T 28N R 9W County San Juan

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒, State ☐, Fee ☐, Other ☐

Pit Location: Pit dimensions: length 15', width 15', depth 10'
(Attach diagram)

Reference: wellhead ☒, other ☐

Footage from reference: 100

Direction from reference: 46 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: 5/19/94

Remediation Method: Excavation ☒
(Check all appropriate sections)

Approx. cubic yards 83

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:

Sample location see Attached Documents

Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 10'

Sample date 5/19/94

Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 10

TPH 65 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 5/20/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

lease *NM-04202^{dev.} 5878'

PIT NO: A0018

C.O.C. NO: 3650

PAGE No: 1 of 1

DATE STARTED: _____
DATE FINISHED: 5/9/90

ENVIRONMENTAL
SPECIALIST: CLG

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 100 FEET S46E FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100 NEAREST SURFACE WATER: >1000 NEAREST WATER SOURCE: >1000
NMOC RANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM

CAVATION DESCRIPTION:
dark yellow brown sand; slightly moist; cohesive; non-plastic

FIELD 418.1 CALCULATIONS

FIELD #181 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm



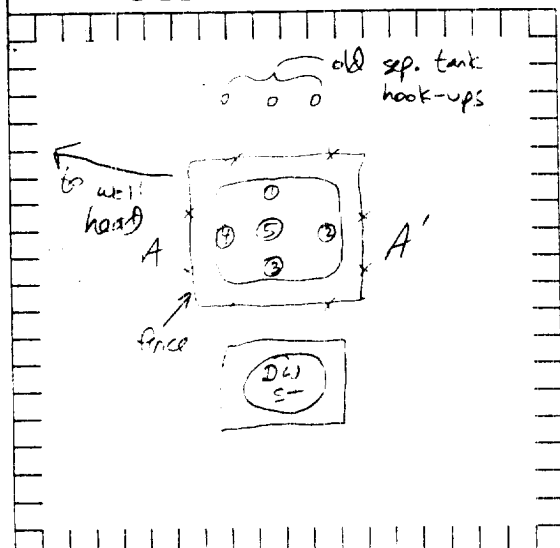
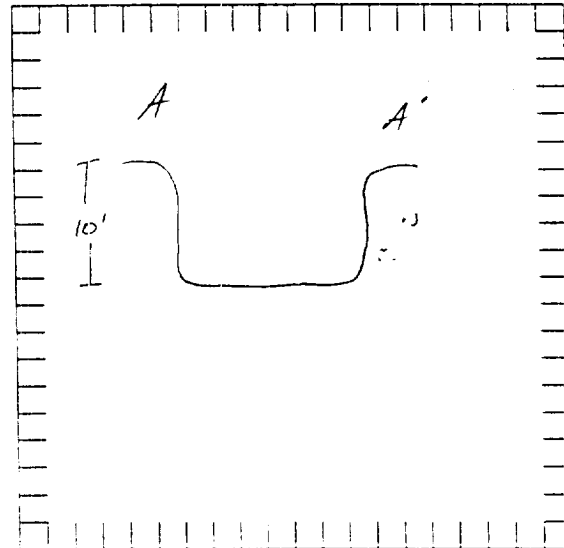
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FEET

PIT PERIMETER

OVM RESULTS

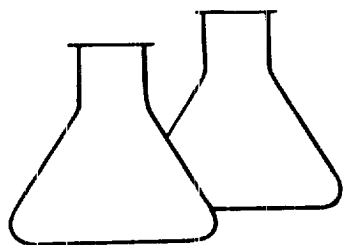
PIT PROFILE

[illegible]

TRAVEL NOTES:

CALLOUT: 5/18/94

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 @ 10'	Date Sampled:	05-19-94
Laboratory Number:	7466	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	65	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: Johnston LS 8 Sep Pit A0018

Tony Twiston
Analyst

Marion D. Young
Review