

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Box 200, Hobbs, NM
District III
1000 Rio Brazos, Hobbs, NM 87410
FEB 6 8 1977

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: BRUINGTON GC B # 1E
Well Name
Location: Unit or Qtr/Qtr Sec 0 Sec 15 T 29N R 12W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM, State, Fee, Other COM. AGMT.

Pit Location: Pit dimensions: length 35', width 35', depth 3'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 165'
Direction from reference: 45 Degrees East North X
of
X 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) 10
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): 10

Date Remediation Started: _____ Date Completed: 4/8/94

Remediation Method: Excavation X Approx. cubic yards 136
(Check all appropriate sections) Landfarmed X Insitu Bioremediation _____

Other _____

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

General Description Of Remedial Action: _____

Excavation

Ground Water Encountered: No X 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 _____

Sample date _____ Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) _____

TPH _____

Ground Water Sample: Yes _____ No X (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 4/25/94

SIGNATURE

Buddy D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

CLOSE

RESULTS TO JOHNNY 4-8-94

ENVIROTECH Inc.

5796 US HWY 64, FARMINGTON, NM 87401
(505) 632-0615PIT NO: C4965 NEWJOB NO: 92140PAGE NO: 1 OF 1

FIELD REPORT: CLOSURE VERIFICATION

LOCATION: LEASE BRUINGTON GC '8" WELL #1E QD SW/4 SE/4 (0)
SEC 15 TWP: 29 N RNG: 12 W BM: NM CNTY: SJ ST: NM PIT: Blow
CONTRACTOR: EPC
EQUIPMENT USED: EXCAVATORDATE STARTED: 4-8-94
DATE FINISHED: 4-8-94ENVIRONMENTAL
SPECIALIST: PEOSOIL REMEDIATION: QUANTITY PIT ~ 35' x 35' x 3' DEEP
DISPOSAL FACILITY: ON SITE - LANDFARM
LAND USE: RANGE
SURFACE CONDITIONS: EXCAVATED PRIOR TO SAMPLINGFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 165 FEET N45°W FROM WELLHEAD.

NO ODOR OR STAINING APPARENT IN EXCAVATION

SOIL: BROWN MOIST, SILTY SAND.

SAMPLE RESULTS BELOW STANDARDS - READY TO CLOSE

FIELD 4181 CALCULATIONS

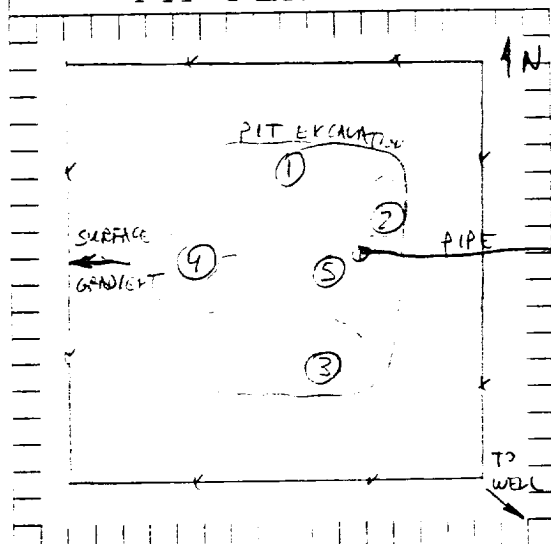
SAMPLE ID	LAB NO	WEIGHT (g)	ML	FREQUENCY	READING	CALC. ppm
⑤ EB@3'	EXC#418	10	20	NOTE	28	56

DEPTH TO GROUNDWATER ~ >50'
NEAREST WATER SOURCE: >1000'
NEAREST SURFACE WATER: >1000'
WIND SPEED: 10
WIND DIR: 1000/PM WIND

SCALE

0 10 20 FEET

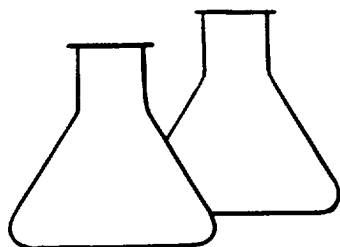
PIT PERIMETER

OVM
RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
① NS@2'	ND
② ES@2'	ND
③ SES@3'	ND
④ WS@4'	ND
⑤ EB@3'	5

PIT PROFILE

TRAVEL NOTES: 4-8-94 ON SITE 4-8-94 1030 HRS



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Amoco
Sample ID: EB @ 3'
Project Location: Bruington GC "B" 1E
Laboratory Number: GAC0418

Project #: 92140
Date Analyzed: 4-8-94
Date Reported: 4-8-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	56	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	510	490	4

*Administrative Acceptance limits set at 30%.

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

Comments: Blow Pit C4965

R. E. O'Neill
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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AND 1 COPY TO
SANTA FE OFFICE

PTT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: BRUINGTON GC B #1E
Well Name _____
Location: Unit or Qtr/Qtr Sec 0 Sec 15 T 29N R 12W County SAN JUAN
Pit Type: Separator X Dehydrator _____ Other _____
Land Type: BLM _____, State _____, Fee _____, Other COM, AGMT.

Pit Location: Pit dimensions: length 45', width 30', depth 23'
(Attach diagram) Reference: wellhead X, other _____
Footage from reference: 120'
Direction from reference: 40 Degrees X East North X
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) 10
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): 10

Date Remediation Started: _____ Date Completed: 4/11/94

Remediation Method: Excavation X Approx. cubic yards 1150
(Check all appropriate sections) Landfarmed X Insitu Bioremediation _____

Other _____

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

General Description Of Remedial Action: _____

Excavation

Ground Water Encountered: No X 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 _____

Sample date _____ Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) _____

TPH _____

Ground Water Sample: Yes _____ No X (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 4/25/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

RESULTS TO JOHNNY 4-11-94

ENVIROTECH Inc.

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

PIT NO: C4966 MB

C.O.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140
PAGE No: 1 of 1

LOCATION: LEASE BRUINBOW GC "8" WELL # 1E QD. SW/4, SE/4 (O)
SEC. 15 TWP. 29 N RNG. 12 W BM: Nm CNTY SJ ST: Nm PIT. SEP
CONTRACTOR: EPC
EQUIPMENT USED: EXCAVATOR

DATE STARTED: 4-11-94
DATE FINISHED: 4-11-94

ENVIRONMENTAL SPECIALIST: *R E*

SOIL REMEDIATION: QUANTITY: 11T IS ~ 30' x 45' x 23" DEEP
DISPOSAL FACILITY: ON SITE
LAND USE: RANGE
SURFACE CONDITIONS: EXCAVATED PRIOR TO SAMPLING

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 120 FEET N. 40° E FROM WELL HEAD.
PRACTICAL EXCAVATION COMPLETE - SOME CONTAMINATION REMAINS IN BOTTOM
SIDEWALLS. GRAY STAINING IS APPARENT IN BOTTOM ~ 10.' NORTH BOTTOM WALL IS BLACK,
EQUIPMENT INTERFERES WITH CONTINUED EXCAVATION - COMPLETION @ WELL P. + A.
BOTTOM IN HARD SILTSTONE - SANDSTONE LAYER AT ~ 15' DEPTH - SLOPING DOWN TO WEST.

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FRECN	DILUTION	READING	CALC. ppm
① NB @ 24'	6AC* 420	10.00	20	—	46	92 ppm
⑤ NS @ 16'	6AC* 421	10.00	20	—	127.8	6360 ppm
				10:1	318	

DEPTH TO GROUNDWATER: >50'
NEAREST WATER SOURCE: >1000'
NEAREST SURFACE WATER: >1000'
WOOD PAVING SCORE 10
WOOD FR- ALCOHOL STD 1000

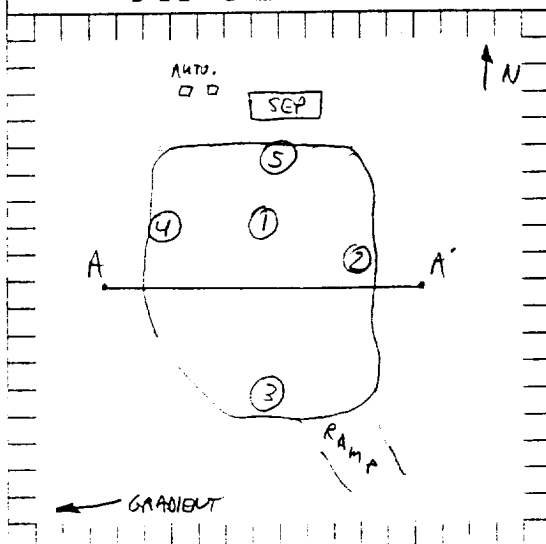
$$318 \times 2 \times 10 = 6360$$

SCALE



0 10 20 FEET

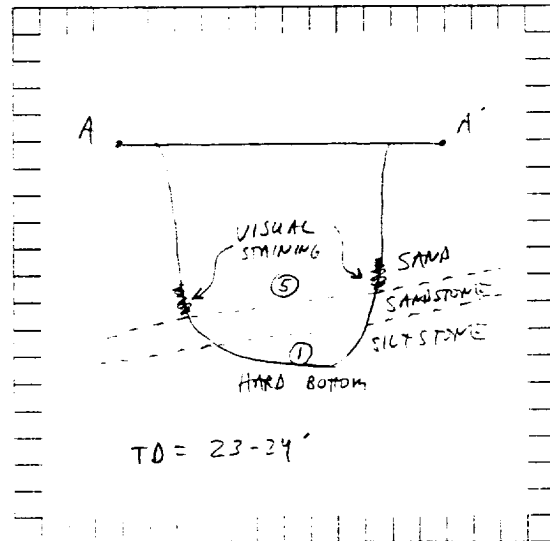
PIT PERIMETER



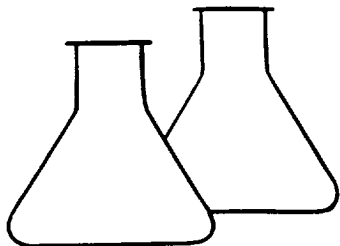
OVM RESULTS

[illegible]

PIT PROFILE



TRAVEL NOTES: CALLOUT: 4-11-94 ONSITE: 4-11-94 1330 HRS.



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Amoco
Sample ID: 5 NS @ 16'
Project Location: Bruington GC "B" 1E
Laboratory Number: GAC0421

Project #: 92140
Date Analyzed: 4-11-94
Date Reported: 4-12-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	6,400	100

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	510	490	4

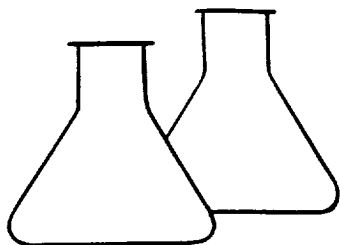
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit C4966

R. E. O'Neill
Analyst

Morris D. Young
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Amoco
Sample ID: 1 NB @ 24'
Project Location: Bruington GC "B" 1E
Laboratory Number: GAC0420

Project #: 92140
Date Analyzed: 4-11-94
Date Reported: 4-12-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	92	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	510	490	4

*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit C4966

R. E. O'Neill
Analyst

Mavis D. Young
Review