

DISTRICT I

P.O. Box 1980, Hobbs, NM

DISTRICT II

P.O. Drawer 100, Lordsburg, NM 88330

DISTRICT III

1000 Rio Grande 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

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JUL 15 1994

JAN 13 1997

PIT REMEDIATION AND CLOSURE REPORT OIL CON. DIV.

A0052 DIST. 3

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility or: RB Sullivan 3
Well Name

Location: Unit or Qtr/Qtr Sec B Sec 11 T27N R10W County San Juan

Pit Type: Separator Dehydrator Other blow

Land Type: BLM, State, Fee X, Other

Pit Location: Pit dimensions: length 32', width 25', depth 22'
(Attach diagram)Reference: wellhead ☒, other

Footage from reference: 185

Direction from reference: 10 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) 10

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): 10

Date Remediation Started: _____ Date Completed: 6/14/94

Remediation Method: Excavation ☒ Approx. cubic yards 652
(Check all appropriate sections) 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 22'
Sample date 6/14/94 Sample time 1105

Sample Results
Benzene(ppm) ND
Total BTEX(ppm) 0.2
Field headspace(ppm) >100
TPH 36 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 6/15/94
SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

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Original

CLIENT: Amax

ENVIROTECH Inc.

PIT NO: A00525796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

C.E.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140PAGE No: 1 of 1LOCATION: NAME: RB Sullivan WELL #: 3 PIT: Blow
QUAD/UNIT: L SEC: 19 TWP: 31N RNG: 9W BM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: NW/4 CONTRACTOR: EPCDATE STARTED: 6/14/92
DATE FINISHED: _____ENVIRONMENTAL
SPECIALIST: THSOIL REMEDIATION: EXCAVATION APPROX. 22' FT. x 22' FT. x 22' FT. DEEP.
DISPOSAL FACILITY: Landfill on site CUBIC YARDAGE: _____
LAND USE: Range LEASE: _____FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 185 FEET NW FROM WELLHEAD.
DEPTH TO GROUNDWATER: 50' x 40' NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: 71000'NMDCD RANKING SCORE: 10 NMDCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:

- yellow brown sandy/some silt - moist to slightly moist

(10) @ 22'

- ~~1000'~~ collected @ 11005 & sent to lab for TPH (418.1) + BTEX (8000)

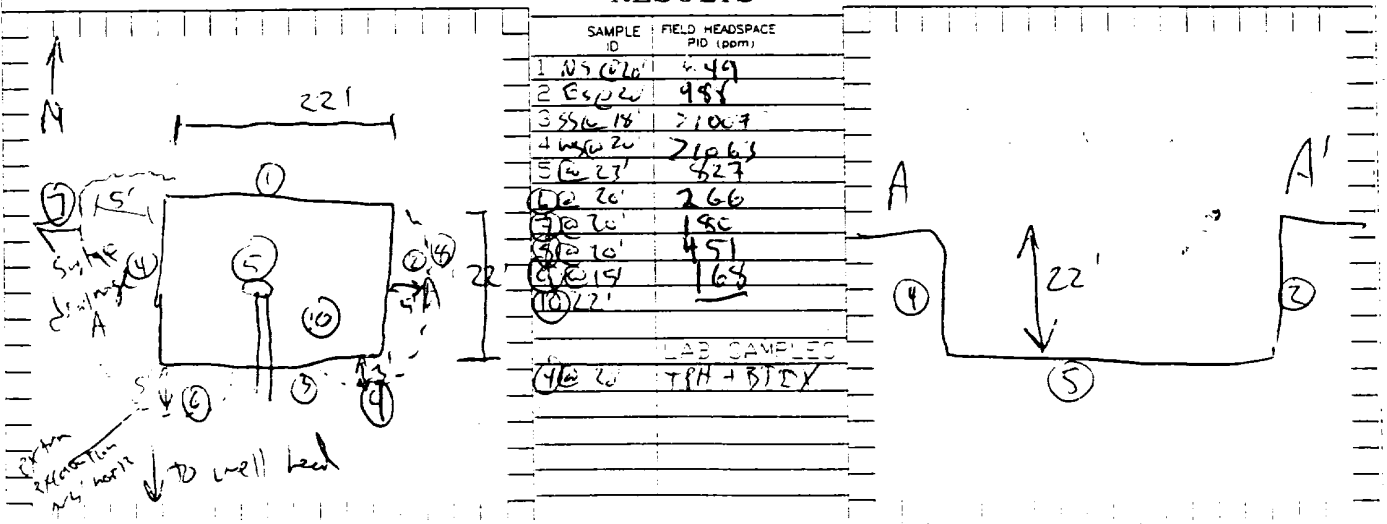
FIELD 418.1 CALCULATIONS

SAMPLE ID	LAB No:	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC. ppm

SCALE

0 FEET
PIT PERIMETEROVM
RESULTS

PIT PROFILE



TRAVEL NOTES:

CALCULATED: 6/13/94ON SITE: 6/14/94

(10) @ 22': TPH = 36, B = ND, BTEX = 0.2 PPM

22

CLIENT: Amoco

ENVIROTECH Inc.

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

PIT NO: ACE52

CED NO: 3737

FIELD REPORT: CLOSURE VERIFICATION

UCB No: 92140

PAGE No: 1 of 1

LOCATION: NAME: R.B. Sullivan WELL #: 3 PIT: 3/0-0
QUAD/UNIT: L SEC: 19 TWP: 31N RNG: 90 BM: Nm CNTY: SS ST: Nm
QTR/FOOTAGE: Nw/3w CONTRACTOR: EPC

DATE STARTED: 6/14/94

DATE FINISHED:

ENVIRONMENTAL SPECIALIST: Tom Hansen

SOIL REMEDIATION: EXCAVATION APPROX. 32' FT. x 25' FT. x 22' FT. DEEP.

DISPOSAL FACILITY: Landfill on site CUBIC YARDAGE: 652

LAND USE: Range LEASE: -

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 185 FEET N10°W FROM WELLHEAD.

DEPTH TO GROUNDWATER: 50' XCL 100' NEAREST WATER SOURCE: >100' NEAREST SURFACE WATER: >100'

NMCD RANKING SCORE: 10 NMCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION: - yellow brown silty sand, moist to slightly moist
- sample (10) @ 22' collected @ 11:05 & sent to lab for TPH (418.1) + BTEX (8020) analyses

FIELD 418.1 CALCULATIONS

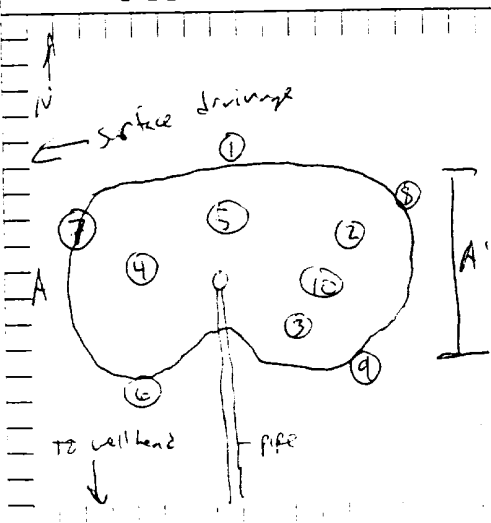
SAMPLE I.D.	LAB No.	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC. ppm

SCALE



0 FEET

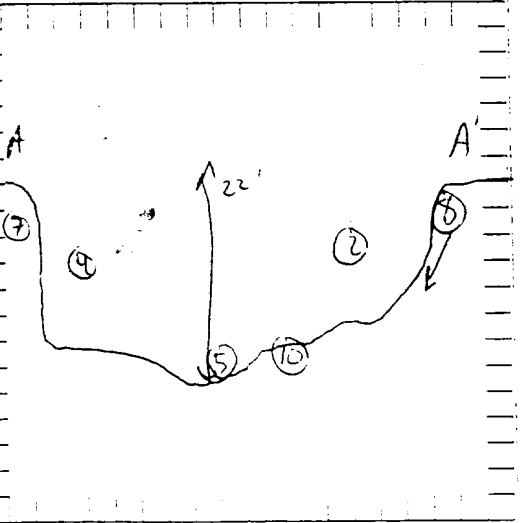
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 (2) @ 20'	649
2 (2) @ 20'	488
3 (2) @ 18'	2104
4 (2) @ 20'	71063
5 (2) @ 23'	823
6 (2) @ 22'	266
7 (2) @ 20'	152
8 (2) @ 20'	451
9 (2) @ 15'	168
10 (2) @ 22'	-

PIT PROFILE

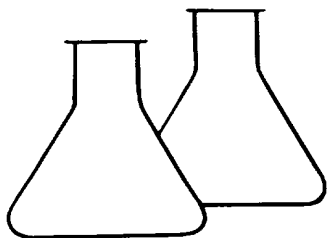


TRAVEL NOTES

CALLOUT: 6/13/94

ON SITE

6/14/94



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

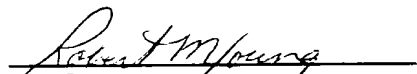
Client:	Amoco	Project #:	92140
Sample ID:	10 @ 22'	Date Sampled:	06-14-94
Laboratory Number:	7605	Date Received:	06-14-94
Sample Matrix:	Soil	Date Analyzed:	06-25-94
Preservative:	Cool	Date Reported:	06-30-94
Condition:	Cool and Intact	Analysis Needed:	TPH

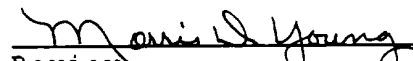
Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	36	25.0

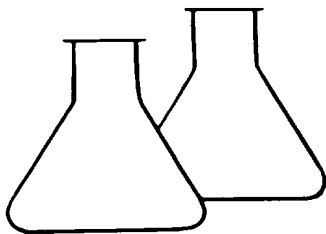
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: R.B. Sullivan #3 Blow Pit A0052


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:	10 @ 22'	Date Reported:	07-13-94
Laboratory Number:	7605	Date Sampled:	06-14-94
Sample Matrix:	Soil	Date Received:	06-14-94
Preservative:	Cool	Date Extracted:	07-11-94
Condition:	Cool & Intact	Date Analyzed:	07-11-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
-----	-----	-----
Benzene	ND	20.1
Toluene	108	26.8
Ethylbenzene	128	40.2
p,m-Xylene	ND	60.2
o-Xylene	ND	46.9

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Trifluorotoluene	120 %
	Bromofluorobenzene	106 %

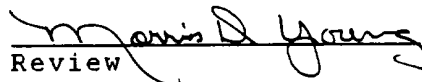
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

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: R.B. Sullivan #3 Blow Pit A0052.


Analyst


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
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

A0052

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: RB Sullivan 3
Well Name
Location: Unit or Qtr/Qtr Sec B Sec 11 T 27N R 10W County San Juan
Pit Type: Separator Dehydrator Other production
Land Type: BLM , State , Fee X, Other

Pit Location: Pit dimensions: length 30', width 40', depth 3'
(Attach diagram) Reference: wellhead ✓, other
Footage from reference: 140
Direction from reference: 10 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) 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: 6/14/94

Remediation Method: Excavation ☒ Approx. cubic yards 133
(Check all appropriate sections) 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 4'
Sample date 6/14/94 Sample time 920

Sample Results
Benzene(ppm) _____
Total BTEX(ppm) _____
Field headspace(ppm) ND
TPH 33 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 6/15/94
SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw
Environmental Coordinator

① @ 4': TPH = 33 ppm

CLIENT: Ameco

ENVIROTECH Inc.

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

PIT NO: A0052

SEC NO: 3737

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140

PAGE No: 1 of 1

LOCATION: NAME: R B Sullivan WELL #: 3 PIT: Prod.
QUAD/UNIT: L SEC: 19 TWP: 31N RNG: 9W BM: Nm CNTY: SJ ST: Nm
QTR/FOOTAGE: Nw/4 CONTRACTOR: EPC

DATE STARTED: 6/14/94

DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: Tom Hansen

SOIL REMEDIATION: EXCAVATION APPROX. 30' FT. x 40' FT. x 3' FT. DEEP.

DISPOSAL FACILITY: landfill on site CUBIC YARDAGE: 133

LAND USE: Range LEASE: -

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY ~140' FEET N10°W FROM WELLHEAD.

DEPTH TO GROUNDWATER: 50' < x < 100' NEAREST WATER SOURCE: 21000' NEAREST SURFACE WATER: 21000'

NMCD RANKING SCORE: 10 NMCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:

- yellowbrown silty sand - dry
- ① @ 4' collected @ 9:20 & sent to lab for TPH (418.1)

FIELD 418.1 CALCULATIONS

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

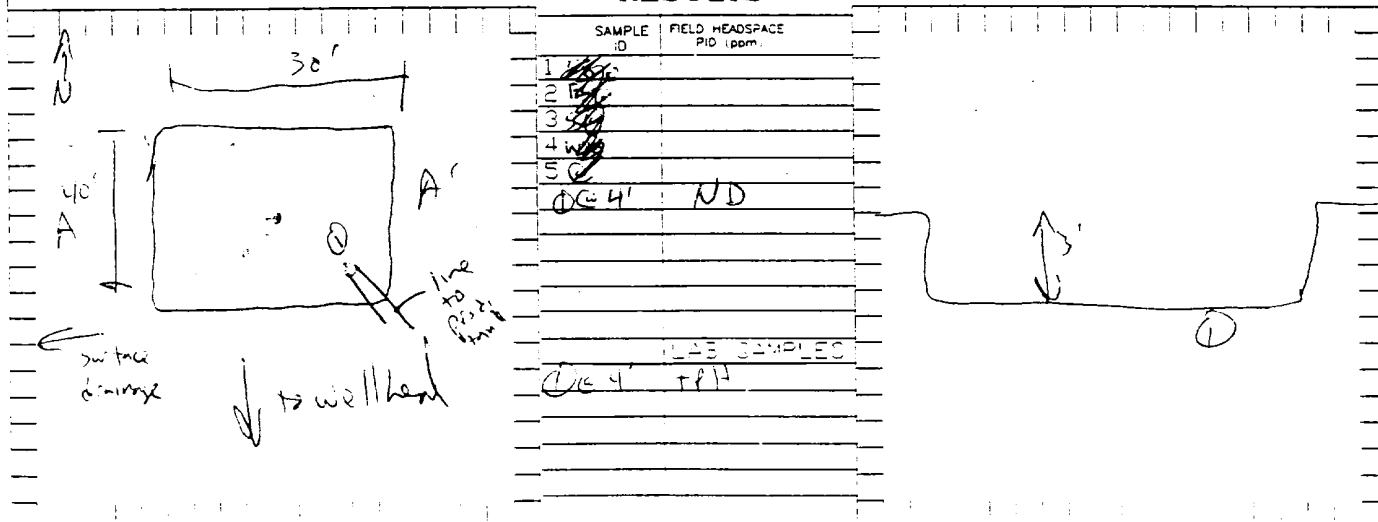
SCALE

0

FEET
PIT PERIMETER

OVM
RESULTS

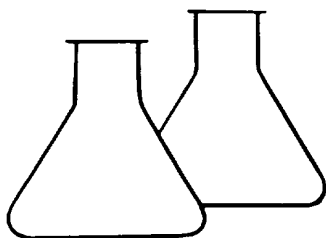
PIT PROFILE



TRAVEL NOTES

DATE: 6/13/94

TIME: 6/14/94



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:	1 @ 4'	Date Sampled:	06-14-94
Laboratory Number:	7606	Date Received:	06-14-94
Sample Matrix:	Soil	Date Analyzed:	06-25-94
Preservative:	Cool	Date Reported:	06-30-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	33	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: R.B. Sullivan #3 Production Tank Pit A0052

Robert M. Young
Analyst

Marion D. Young
Review