

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesa, 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 TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Pit # A0076

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: JACK FROST "D" #1
Well Name
Location: Unit or Qtr/Qtr Sec E Sec 26 T 27N R 10W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM State Fee Other

Pit Location: Pit dimensions: length 20, width 30, depth 15
(Attach Diagram of Pit)
Reference: wellhead other
DEPUTY OIL & GAS INSPECTOR
Footage from reference: 240'
DEC 11 9 1996
Direction from reference: 70 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: 6 July 1994

Remediation Method: Excavation ☒ Approx. cubic yards 333
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite ☒ Offsite landfarmed 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 6 July 1994 Sample time 1040

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 1.512

Field headspace(ppm) 429

TPH 1090 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 July 1994

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

results copied to Johnny 7/14/94

CLIENT: Amoco

ENVIROTECH Inc.

PIT NO: A0076

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

C&C NO: 3797

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140

PAGE No: 1 of 1

LOCATION: NAME: JACK FROST "D" WELL # 1 PIT: Blow

DATE STARTED: 7/6/97

QUAD/UNIT: E SEC: 26 TWP: 27N RNG: 10W BM: NM CNTY: SJ ST: NM

DATE FINISHED: 7/6/97

QTR/FEETAGE: SW/4 NW/4 CONTRACTOR: EPC

ENVIRONMENTAL SPECIALIST: FM

SOIL REMEDIATION: EXCAVATION APPROX. 20 FT. x 30 FT. x 15 FT. DEEP.

DISPOSAL FACILITY: LANDFARMED ON-SITE CUBIC YARDAGE: 333

LAND USE: RANGE LEASE: SF-077951

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 240 FEET 70°W & N FROM WELLHEAD.

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

NMCD RANKING SCORE: 0 NMCD TPH CLOSURE STD: 5000 ppm

SOIL AND EXCAVATION DESCRIPTION: Yellow/Brown - Silty Sand - Slightly Moist
Bedrock @ 15'

FIELD 418.1 CALCULATIONS

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

SCALE



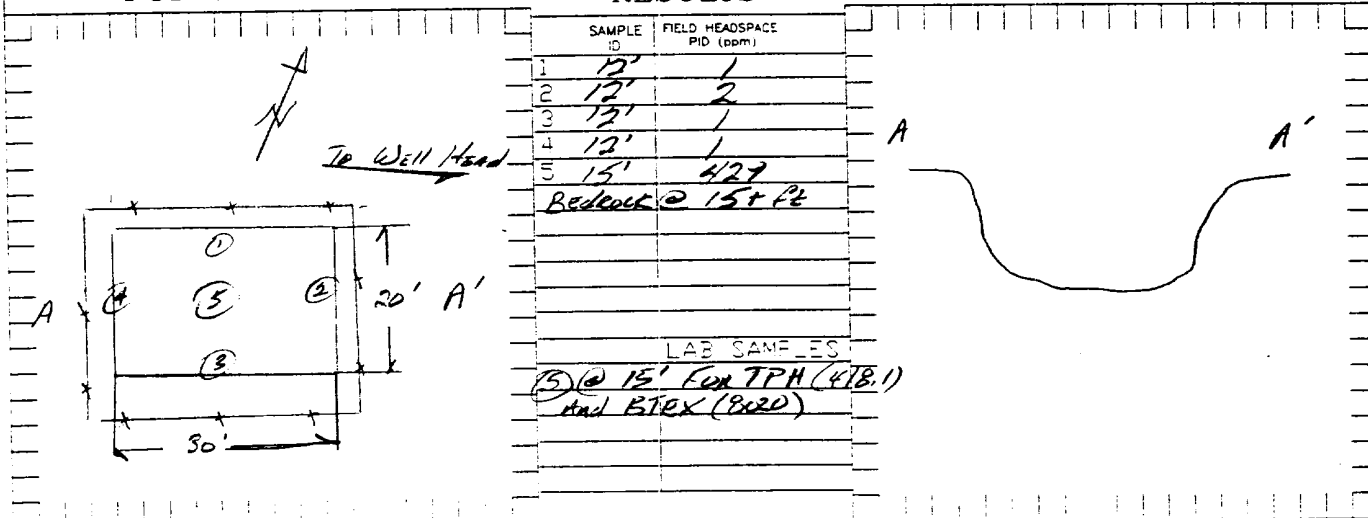
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FEET

PIT PERIMETER

OVM RESULTS

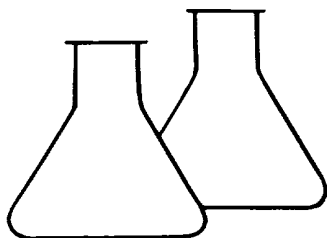
PIT PROFILE



TRAVEL NOTES

CALCULATIONS

ONSITE



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

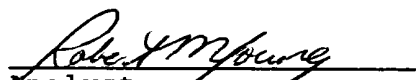
Client:	Amoco	Project #:	92140
Sample ID:	5 @ 15'	Date Sampled:	07-06-94
Laboratory Number:	7697	Date Received:	07-06-94
Sample Matrix:	Soil	Date Analyzed:	07-09-94
Preservative:	Cool	Date Reported:	07-09-94
Condition:	Cool and Intact	Analysis Needed:	TPH

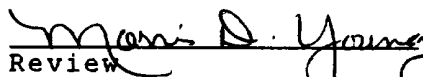
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	1090	30.0

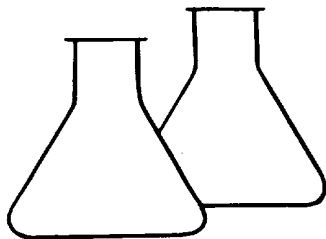
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Jack Frost "D" #1 Blow Pit A0076.


Analyst


Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	5 @ 15'	Date Reported:	07-13-94
Laboratory Number:	7697	Date Sampled:	07-06-94
Sample Matrix:	Soil	Date Received:	07-06-94
Preservative:	Cool	Date Extracted:	07-08-94
Condition:	Cool & Intact	Date Analyzed:	07-11-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	20.3
Toluene	138	27.1
Ethylbenzene	274	40.7
p,m-Xylene	840	61.0
o-Xylene	260	47.4

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	118 %
	Bromofluorobenzene	105 %

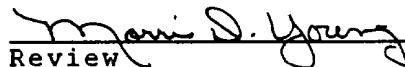
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

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: Jack Frost "D" #1 Blow Pit A0076


Analyst


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Pit # A0076

Operator: Amoco Production Company Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: JACK FROST "D" #1
Well Name _____
Location: Unit or Qtr/Qtr Sec E Sec 26 T 27N R 10W County SAN JUAN
Pit Type: Separator ☒ Dehydrator _____ Other _____
Land Type: BLM ☒ State _____ Fee _____ Other _____

Pit Location: Pit dimensions: length 20, width 15, depth 18
(Attach diagram)
Reference: wellhead ☒, other _____
Footage from reference: 150
Direction from reference: 70 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) 0
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) _____
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 6 July 1994

Remediation Method: Excavation ☒ Approx. cubic yards 200
(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 18'
Sample date 6 July 1994 Sample time 1140

Sample Results

Benzene(ppm) 0.370
Total BTEX(ppm) 34.17
Field headspace(ppm) 659
TPH 310 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 July 1994
SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw
Environmental Coordinator

results copied to Johnny 7/14/94

CLIENT: <u>Amoco</u>	ENVIROTECH Inc. 5796 US HWY. 64, FARMINGTON, NM 87401 (505) 632-0615	PIT NO: <u>A0076</u> C.O.C. NO: <u>3797</u>
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FIELD REPORT: CLOSURE VERIFICATION		JOB No: <u>92140</u> PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>JACK FRAC "D" WELL # 1</u>	PIT: <u>SEP</u>	DATE STARTED: _____ DATE FINISHED: <u>6 July 94</u>
QUAD/UNIT: <u>E SEC 26 TWP 27N RNG 10W BM: NM CNTY: SJ ST: NM</u>	CONTRACTOR: <u>EPL</u>	ENVIRONMENTAL SPECIALIST: <u>FM</u>
QTR/FOOTAGE: <u>SW/4 NW/4</u>		

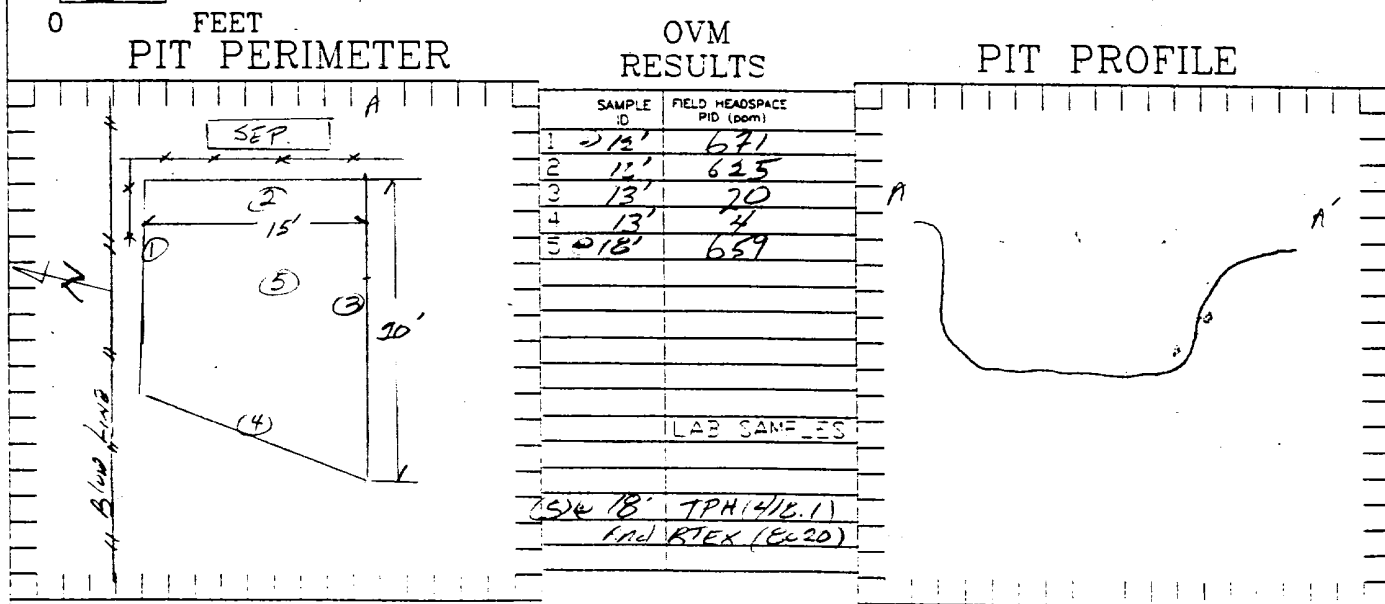
SOIL REMEDIATION: EXCAVATION APPROX. 20 FT. x 15 FT. x 10 FT. DEEP.
DISPOSAL FACILITY: LAND FARMED - ON SITE CUBIC YARDAGE: 200
LAND USE: RANGE LEASE: SF-077951

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 150 FEET 70° W & N FROM WELLHEAD.
DEPTH TO GROUNDWATER: > 100' NEAREST WATER SOURCE: > 1000' NEAREST SURFACE WATER: > 1000'
NMCD RANKING SCORE: 0 NMCD TPH CLOSURE STD: 5000 ppm

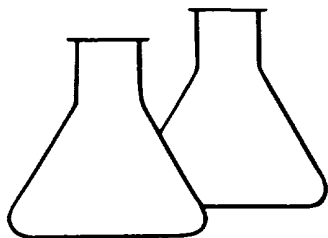
SOIL AND EXCAVATION DESCRIPTION: yellow/brown - silty sand - slightly moist
0-15'
15'-18' - Gray shale; 18'+ - Bedrock
X UNABLE TO EXCAVATE ALONG NORTH WALL, due to Blow Line (congestion)
X UNABLE TO EXCAVATE ALONG East Wall, due to Separator (congestion)

FIELD 418.1 CALCULATIONS

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



TRAVEL NOTES: _____ CALLOUT: _____ INSTE: _____



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

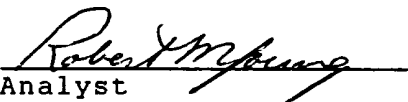
Client:	Amoco	Project #:	92140
Sample ID:	5 @ 18'	Date Sampled:	07-06-94
Laboratory Number:	7698	Date Received:	07-06-94
Sample Matrix:	Soil	Date Analyzed:	07-09-94
Preservative:	Cool	Date Reported:	07-09-94
Condition:	Cool and Intact	Analysis Needed:	TPH

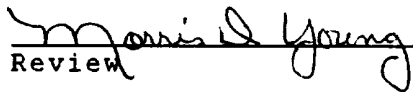
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	310	30.0

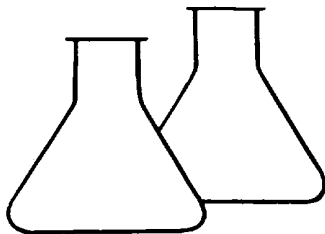
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Jack Frost "D" #1 Separator Pit A0076.


Analyst


Review



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	5 @ 18'	Date Reported:	07-13-94
Laboratory Number:	7698	Date Sampled:	07-06-94
Sample Matrix:	Soil	Date Received:	07-06-94
Preservative:	Cool	Date Extracted:	07-08-94
Condition:	Cool & Intact	Date Analyzed:	07-11-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	370	20.2
Toluene	2850	26.9
Ethylbenzene	2690	40.4
p,m-Xylene	23800	60.6
o-Xylene	4460	47.1

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromofluorobenzene	130 %

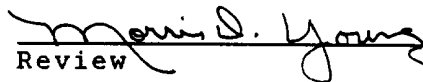
Method: Method 5030, Purge-and-Trap, Test Methods for
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Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Jack Frost "D" #1 Separator Pit A0076
Excessive surrogate recovery due to coelution.


Analyst


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