

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM 88211

DEPT. OF ENERGY & NATURAL RESOURCES

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

A0026

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Oil A 3E
Well Name

Location: Unit or Qtr/Qtr Sec 0 Sec 26 T 28N R 10W County San Juan

Pit Type: Separator ☒ Dehydrator ☒ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 25', width 25', depth 18'
(Attach diagram)

Reference: wellhead ☒, other ☐

Footage from reference: 100

Direction from reference: 44 Degrees ☐ East North ☒
of
☒ West South ☐

RECEIVED
JUN 23 1994

Depth To Ground Water: OIL CON. DIV.
(Vertical distance from DIST. 3 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) <u>0</u>

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

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) 200 feet to 1000 feet (10 points) 0
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 5/23/94

Remediation Method: Excavation ☒ Approx. cubic yards 417
(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 15' + 18'

Sample date 5/23/94 Sample time _____

Sample Results

Benzene(ppm) 32.6 @ 15'
Total BTEX(ppm) 320.5 @ 15'
Field headspace(ppm) 903 @ 18'
TPH ND @ 18'

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 5/23/94

SIGNATURE Buddy D. Shaw

PRINTED NAME AND TITLE Buddy D. Shaw

lease # 82-077085

ENVIROTECH Inc.

PIT NO: A0026

C.D.C. NO: 3682

JOB No: 92100

PAGE No: 1 of 1

DATE STARTED: _____

DATE FINISHED: 5/23/94

ENVIRONMENTAL
SPECIALIST: CLG

DISPOSAL FACILITY: landfilled on-site

LAND USE: range

DEPTH TO GROUNDWATER: 7100 NEAREST SURFACE WATER: 71000 NEAREST WATER SOURCE: 71000

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

H_2 and H_3 are "bad" to pass
 E and bottom can't be extended due
 to self and col , respectively

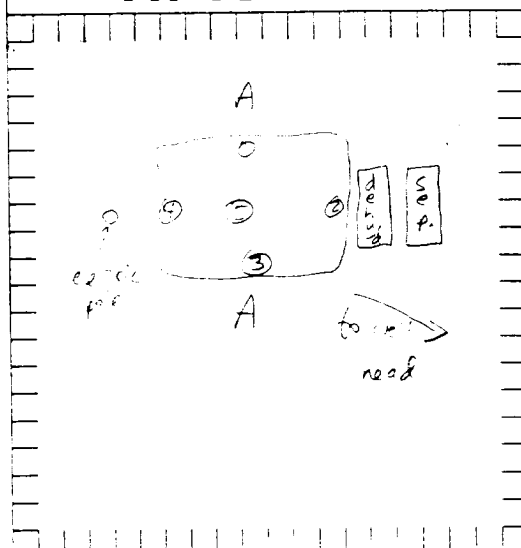
excavation bottom = rock
E wall = black moist sand, odor
remaining walls = lt. grey to white brown sand

sample ② may have saturated the oven and given a false low reading.

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

10/10

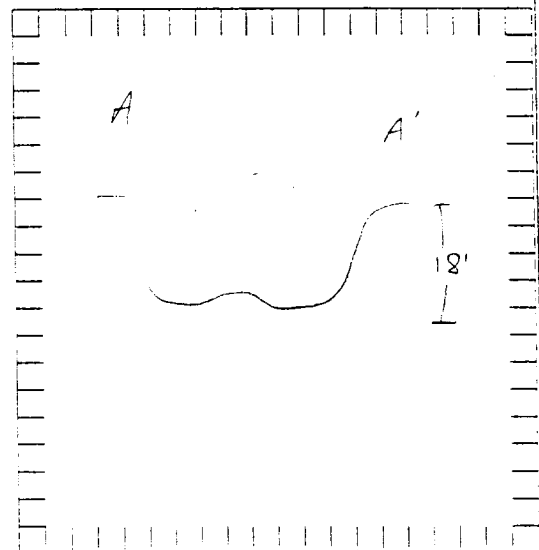
0 FEET
PIT PERIMETER



OVM RESULTS

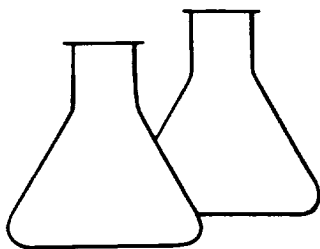
[illegible]

PIT PROFILE



CALLOUT: 5/22/04

ONSITE: 2/23/9



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:	2 @ 15'	Date Reported:	05-25-94
Laboratory Number:	7506	Date Sampled:	05-23-94
Sample Matrix:	Soil	Date Received:	05-23-94
Preservative:	Cool	Date Extracted:	05-24-94
Condition:	Cool & Intact	Date Analyzed:	05-24-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
-----	-----	-----
Benzene	32,600	13.3
Toluene	30,000	39.8
Ethylbenzene	57,400	26.6
p,m-Xylene	107,300	39.8
o-Xylene	93,200	53

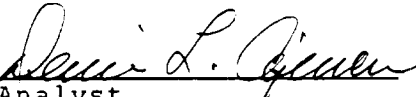
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Trifluorotoluene	99 %
	Bromofluorobenzene	100 %

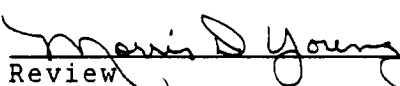
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

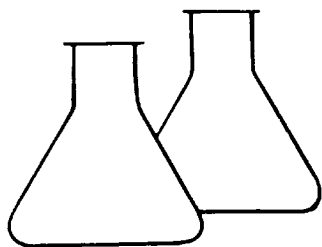
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Omler A 3E Separator/Dehyd. Pit A0026


Analyst


Review



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 @ 18'	Date Sampled:	05-23-94
Laboratory Number:	7507	Date Received:	05-23-94
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	ND	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: Omler A 3E Sep/Dehyd Pit A0026

Tony T. Tipton
Analyst

Marvin 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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DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

40026

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Omlet A 3E
Well Name

Location: Unit or Qtr/Qtr Sec 0 Sec 26 T 28N R 10W County San Juan

Pit Type: Separator Dehydrator Other production

Land Type: BLM ☒, State , Fee , Other

Pit Location: Pit dimensions: length 13', width 28', depth 8'
(Attach diagram)

Reference: wellhead ☒, other

Footage from reference: 120

Direction from reference: 5 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: 5/23/94

Remediation Method: Excavation ☒ Approx. cubic yards 108
(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 8'

Sample date 5/23/94 Sample time _____

Sample Results

Benzene(ppm) 0.2

Total BTEX(ppm) 18.0

Field headspace(ppm) 10.71

TPH 28.7 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 5/23/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

Results to JOHNNY 6/1/94 RLO

lease # 22-077085

CLIENT: Amoco

ENVIROTECH Inc.

PIT NO: A00265796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615C.O.C. NO: 3682

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140PAGE No: 1 of 1LOCATION: LEASE: Order AWELL #: 3EPIT: productionUNIT: 0 SEC: 26 TWP: 28N RNG: 10W BM: NM CNTY: ST ST: NMCONTRACTOR: EPC

DATE STARTED:

DATE FINISHED: 5/23/94

ENVIRONMENTAL

SPECIALIST: CLGSOIL REMEDIATION: EXCAVATION APPROX. 13 FT. x 28 FT. x 8 FT. DEEP.DISPOSAL FACILITY: landfilled on-siteLAND USE: RangeFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 120 FEET NEW FROM WELLHEAD.DEPTH TO GROUNDWATER: >100 NEAREST SURFACE WATER: >1000 NEAREST WATER SOURCE: >1000NMOC RANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

light gray sand w/ silt; slightly moist; cohesive

excavation bottom is rock as is east wall; sides are compact sand

sent extend excavation to south 1/2 of production tank

EPC extended excavation to west 1/4 - 4A - sand diked up

Note: 20' pit
ES and bottom cor'd by extended
excavation to north and prod. tank

FIELD 418.1 CALCULATIONS

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

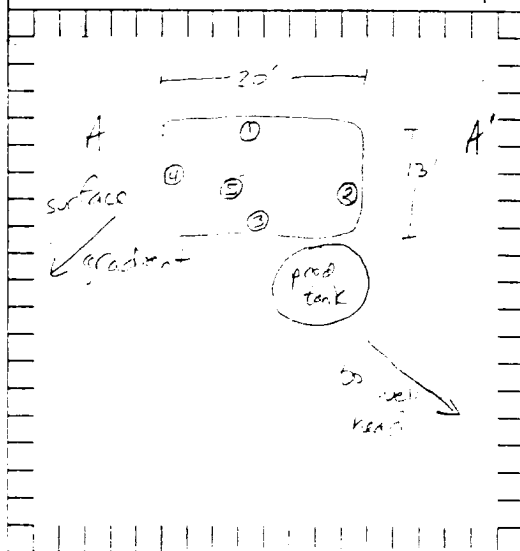
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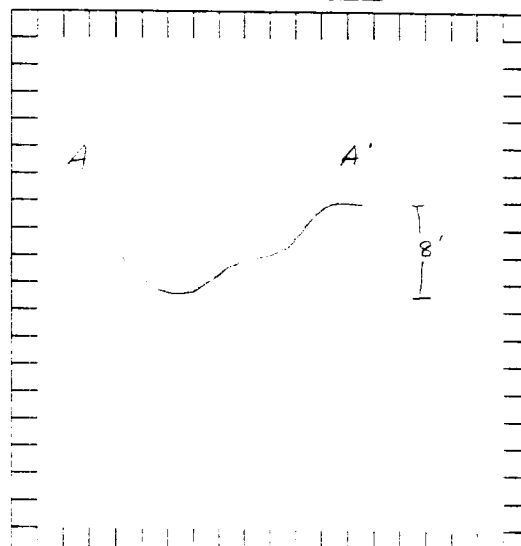
FEET

PIT PERIMETER



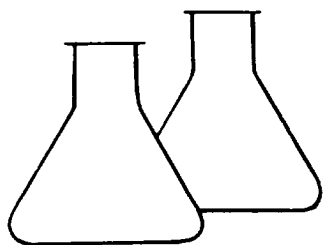
SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	323
2	1035
3	940
4	1213
5	1071
6	4
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

PIT PROFILE



TRAVEL NOTES.

CALLOUT: 5/23/94ONSITE: 5/23/94



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 @ 8'	Date Sampled:	05-23-94
Laboratory Number:	7508	Date Received:	05-23-94
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	28.7	25.0

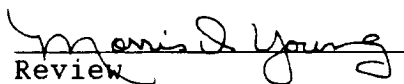
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

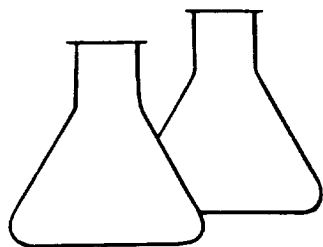
Comments: Omler A 3E Prod Pit A0026



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:	5 @ 8'	Date Reported:	05-25-94
Laboratory Number:	7508	Date Sampled:	05-23-94
Sample Matrix:	Soil	Date Received:	05-23-94
Preservative:	Cool	Date Extracted:	05-24-94
Condition:	Cool & Intact	Date Analyzed:	05-24-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
-----	-----	-----
Benzene	196	13.3
Toluene	5,310	40.0
Ethylbenzene	850	26.7
p,m-Xylene	8,390	40.0
o-Xylene	3,290	53

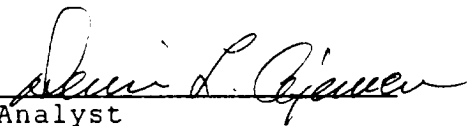
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Trifluorotoluene	100 %
	Bromofluorobenzene	99 %

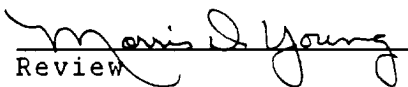
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

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: Omler A 3E Production Pit A0026


Analyst


Review