

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Aztec, NM 87410

District III
DEPUTY OIL & GAS INSPECTOR

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

JAN 13 97

PIT REMEDIATION AND CLOSURE REPORT

40044

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Madeleine N. Galt H 1E
Well Name

Location: Unit or Qtr/Qtr Sec E Sec 1 T 27N R 10W county San Juan

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

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

Pit Location: Pit dimensions: length 7', width 12', depth 6'
(Attach diagram)

Reference: wellhead ☒, other ☐

Footage from reference: 160

Direction from reference: 30 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: 6/7/94

Remediation Method: Excavation ☒ Approx. cubic yards 19
(Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
Other Compost

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 6'

Sample date 6/7/94 Sample time 925

Sample Results

Benzene(ppm) 0.109

Total BTEX(ppm) 3.914

Field headspace(ppm) 444

TPH 10,970 ppm Bedrock

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

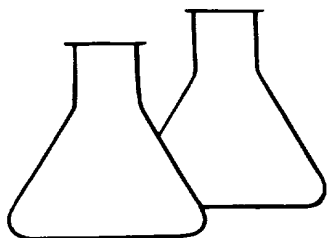
DATE 6/7/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

$$6 \overline{) 7104}$$



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

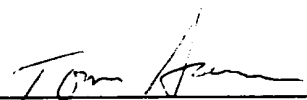
Client:	Amoco	Project #:	92140
Sample ID:	5 @ 6'	Date Sampled:	06-07-94
Laboratory Number:	7556	Date Received:	06-07-94
Sample Matrix:	Soil	Date Analyzed:	06-13-94
Preservative:	Cool	Date Reported:	06-15-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	10970	25.0

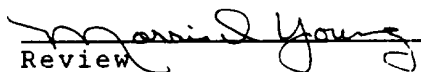
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

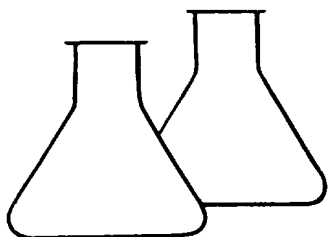
Comments: Madeleine N. Galt H1E SEP Pit -- A0044



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 @ 6'	Date Reported:	06-13-94
Laboratory Number:	7556	Date Sampled:	06-07-94
Sample Matrix:	Soil	Date Received:	06-07-94
Preservative:	Cool	Date Extracted:	06-07-94
Condition:	Cool & Intact	Date Analyzed:	06-11-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
-----	-----	-----
Benzene	109	13.5
Toluene	475	33.7
Ethylbenzene	200	13.5
p,m-Xylene	730	13.5
o-Xylene	2400	13

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Bromofluorobenzene	126 %

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: Madeline N. Galt H1E Separator Pit A0044.

Rob J. M. Young
Analyst

Mari D. Young
Review

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

A0044

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Madeleine N. Galt H 1E
Well Name

Location: Unit or Qtr/Qtr Sec E Sec 1 T 27N R 10W County San Juan

Pit Type: Separator Dehydrator Other blow / production

Land Type: BLM ✓, State , Fee , Other

Pit Location: Pit dimensions: length 41', width 43', depth 13'
(Attach diagram) Reference: wellhead ✓, other

Footage from reference: 115

Direction from reference: 84 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: 6/7/94

Remediation Method: Excavation ☒ Approx. cubic yards ~849

(Check all appropriate sections)

Landfarmed _____ Insitu Bioremediation _____

Other Compost

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 13'

Sample date 6/7/94 Sample time 1030

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 0.659

Field headspace(ppm) 426

TPH 146 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 6/7/94

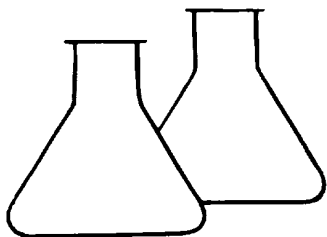
SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

617 10-



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 @ 13'	Date Sampled:	06-07-94
Laboratory Number:	7557	Date Received:	06-07-94
Sample Matrix:	Soil	Date Analyzed:	06-13-94
Preservative:	Cool	Date Reported:	06-15-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	146	25.0

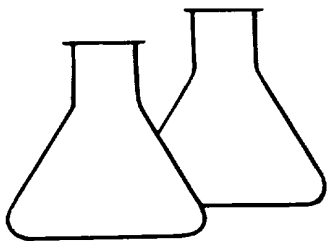
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Madeleine N. Galt H1E Prod/Blow Pit -- A0044

Tom Hume
Analyst

Mavis D. 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:	5 @ 13'	Date Reported:	06-13-94
Laboratory Number:	7557	Date Sampled:	06-07-94
Sample Matrix:	Soil	Date Received:	06-07-94
Preservative:	Cool	Date Extracted:	06-09-94
Condition:	Cool & Intact	Date Analyzed:	06-11-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	13.4
Toluene	147	33.5
Ethylbenzene	ND	13.4
p,m-Xylene	471	13.4
o-Xylene	41	13

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromofluorobenzene	113 %

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: Madeline N. Galt H1E Prod/Blow Pit A0044.

Analyst

Review