

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

APPROV
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: Johnson Gas Com B #1
Well Name

Location: Unit or Qtr/Qtr Sec 14 Sec 21 T 27N R 10W County San Juan

Pit Type: Separator Dehydrator Other Blow

Land Type: BLM State Fee Other Com. AGMT.

Pit Location: See map Pit dimensions: length 50, width 40, depth 20
(Attach diagram)
DEPUTY OIL & GAS INSPECTOR Reference: wellhead , other

DEC 11 1998 Distance from reference: 165

Direction from reference: 80 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) 20

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): 20

Date Remediation Started: _____ Date Completed: 2 Aug 1994

Remediation Method: Excavation ☒ Approx. cubic yards 741
(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: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 8' + 10'

Sample date 2 Aug 1994 Sample time _____

Sample Results

Benzene(ppm) ND @ 8', ND @ 10'

Total BTEX(ppm) 0.283 @ 8' 7.750 @ 10'

Field headspace(ppm) 127.3 @ 8' + 513 @ 10'

TPH 228 ppm @ 10'

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 2 Aug 1994

SIGNATURE

B.D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

TPH- PASSED
BTER PASSED

26

CLIENT: Amoco ENVIROTECH Inc. PIT NO: A0091
5796 US HWY. 64, FARMINGTON, NM 87401 C.E.C. NO: 3833
(505) 632-0615

FIELD REPORT: CLOSURE VERIFICATION JCB No: 92140
PAGE No: 1 of 1
LOCATION: NAME: Johnson Gas PUM B WELL #: 1 PIT: Blow
QUAD/UNIT: H SEC: 71 TWP: 29N RNG: 10W BM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: SE/4 NE/4 CONTRACTOR: EDC
DATE STARTED: 2/28/94
DATE FINISHED: 2/28/94
ENVIRONMENTAL SPECIALIST: EM

SOIL REMEDIATION: EXCAVATION APPROX. 50 FT. x 40 FT. x 10 FT. DEEP.
DISPOSAL FACILITY: LAND FARM- D1 SITE CUBIC YARDAGE: 741
LAND USE: RANGE C/LM LEASE: SF- 677386

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 165 FEET 80° W FROM WELLHEAD.
DEPTH TO GROUNDWATER: BLW 450 NEAREST WATER SOURCE: 71000 NEAREST SURFACE WATER: 71000
NMCCD RANKING SCORE: 20 NMCCD TPH CLOSURE STD: 100 ppm

SOIL AND EXCAVATION DESCRIPTION:
0-3' Soil is yellow-brown, slightly moist, silty sand
3-10' (TD) - Soil is yellow brown slightly moist, poorly graded sand
10' (TD) - Soil is gray clay

FIELD 419.1 CALCULATIONS

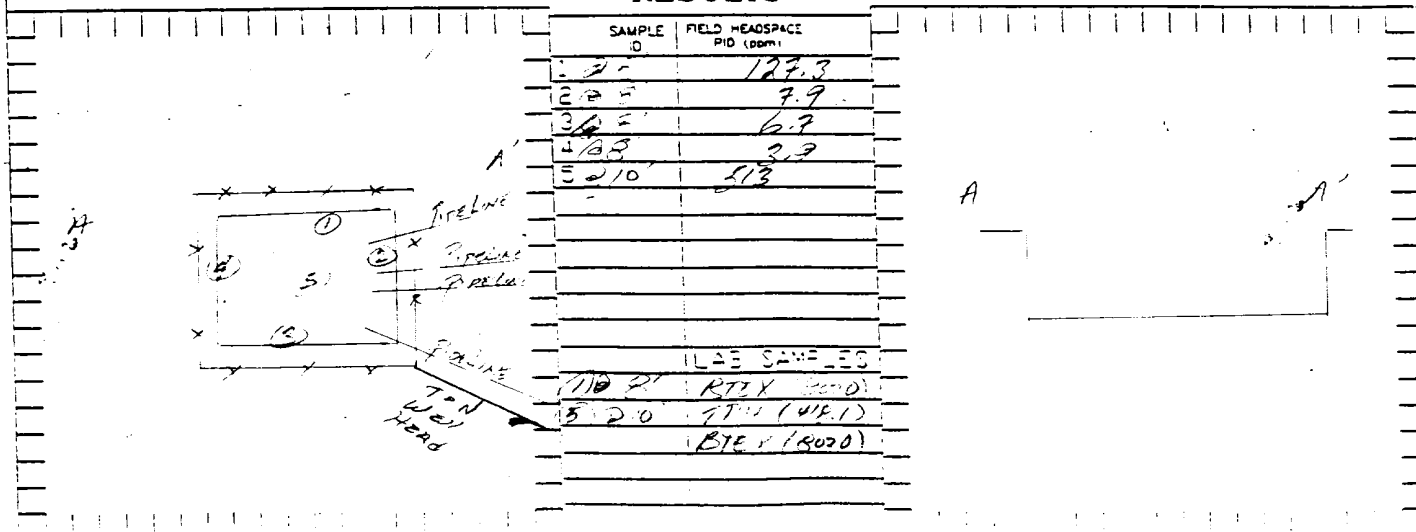
SAMPLE I.D.	LAB No:	WEIGHT (g)	ML. FREON DILUTION	READING	CALC. ppm

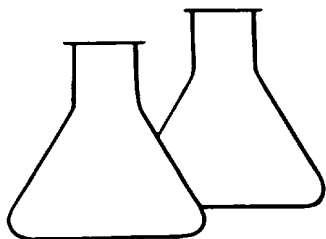


PIT PERIMETER

OVN RESULTS

PIT PROFILE





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:	108'	Date Reported:	08-15-94
Laboratory Number:	7760	Date Sampled:	08-02-94
Sample Matrix:	Soil	Date Received:	08-02-94
Preservative:	Cool	Date Extracted:	08-08-94
Condition:	Cool & Intact	Date Analyzed:	08-11-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	19.8
Toluene	36	19.8
Ethylbenzene	ND	13.2
p,m-Xylene	217	19.8
o-Xylene	30	19.8

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	112 %
	Bromofluorobenzene	99 %

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

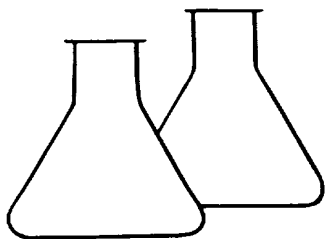
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: JOHNSON GAS COM B # 1 ^{B/L}~~SEP~~ PIT A0091

Rex D. Griffin
Analyst

Maris D. Young
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@10'	Date Sampled:	07-28-94
Laboratory Number:	7759	Date Received:	07-28-94
Sample Matrix:	Soil	Date Analyzed:	08-09-94
Preservative:	Cool	Date Reported:	08-09-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	228	30.0

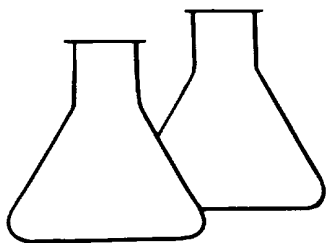
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: JOHNSON GAS COM B #1 ~~SEP~~ PIT A0091
Blow

Rex L. Griffin
Analyst

Morris 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@10'	Date Reported:	08-10-94
Laboratory Number:	7759	Date Sampled:	07-28-94
Sample Matrix:	Soil	Date Received:	07-28-94
Preservative:	Cool	Date Analyzed:	08-10-94
Condition:	Cool & Intact	Date Extracted:	08-10-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	98.4
Toluene	730	98.4
Ethylbenzene	1150	98.4
p,m-Xylene	1620	98.4
o-Xylene	4250	98.4

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	113 %
	Bromfluorobenzene	100 %

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

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: JOHNSON GAS COM B #/ A0091

Rep. L. Haffner
Analyst

Maris D. Young
Review

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P O Box 1980, Hobbs, NM
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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: Johnson Gas Com B #1
Well Name

Location: Unit or Qtr/Qtr Sec H Sec 21 T 27N R 10W County San Juan

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other com. AGMT.

Pit Location: Pit dimensions: length 20, width 15, depth 8
(Attach diagram) Reference: wellhead ☒, other ☐

Footage from reference: 75

Direction from reference: 60 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) 20
Greater than 100 feet (0 Points)

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) 0
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: _____

Date Completed: 2 Aug 1994

Remediation Method: Excavation ☒

Approx. cubic yards 89

(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 2 Aug 1994

Sample time _____

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 1.409

Field headspace(ppm) 139.9

TPH ND

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

2 Aug 1994

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

TPH - Passed - ND
BTEX - Passed

CLIENT: Amoco ENVIROTECH Inc.
5796 US HWY. 64, FARMINGTON, NM 87401
(505) 622-0615
PIT NO: A0091
C.C. NO: 3833

FIELD REPORT: CLOSURE VERIFICATION
JCE No: 92140
PAGE No: 1 of 1
LOCATION: NAME: Johnson Spr. in R WELL #: 1 PIT: SED
QUAD/UNIT: H SEC: 21 TWP: 27N RNG: 10W BM: NM CNTY: 21 STA: H
QTR/FOOTAGE: SE 1/4 CONTRACTOR: EPC
DATE STARTED: 2 Aug 1994
DATE FINISHED: 2 Aug 1994
ENVIRONMENTAL SPECIALIST: FM

SOIL REMEDIATION: EXCAVATION APPROX. 20 FT. x 15 FT. x 8 FT. DEEP.
DISPOSAL FACILITY: LAND FARM - ON SITE CUBIC YARDAGE: 24
LAND USE: RAVINE - RLM LEASE: SF-600006

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 75 FEET 60' W FROM WELLHEAD.
DEPTH TO GROUNDWATER: 26' 50" NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000
NMOC RANKING SCORE: 20 NMOC TPH CLOSURE STD: 100 ppm

SOIL AND EXCAVATION DESCRIPTION: 0-3': Soil is yellow-brown, slightly moist, silty sand
3'-8': Soil is yellow-brown, moist, poorly graded sand
8'-11' DEEP

FIELD 419.1 CALCULATIONS

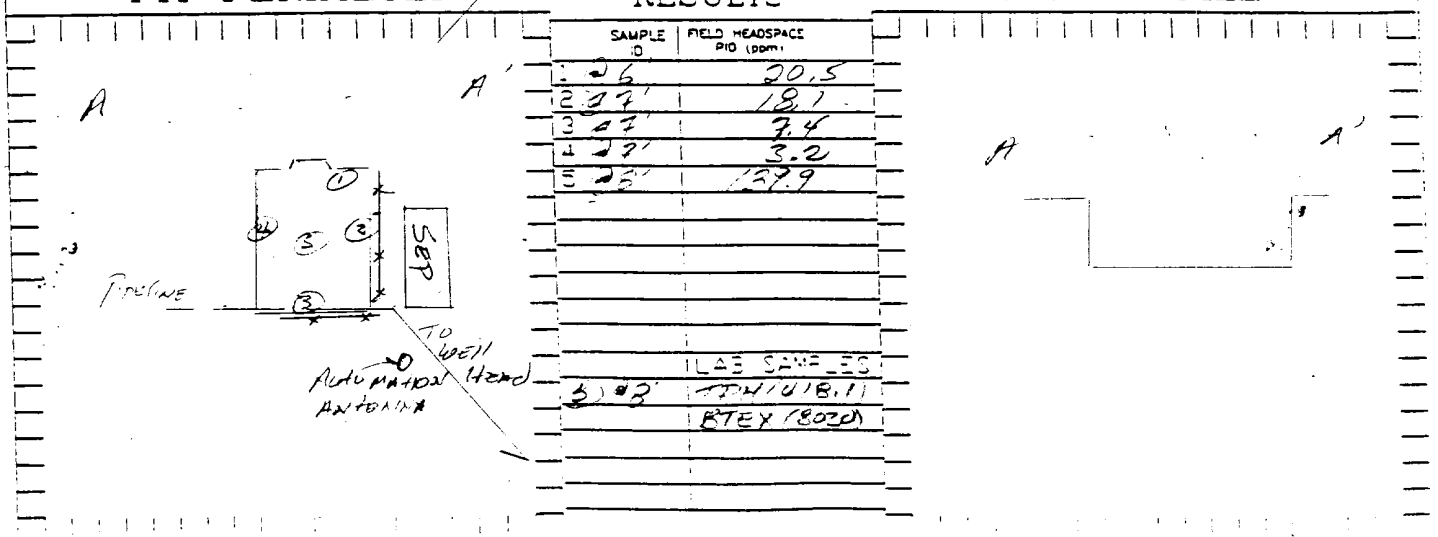
SAMPLE I.D.	LAB No:	WEIGHT (g)	ML. FREON DILUTION	READING	CALC. ppm

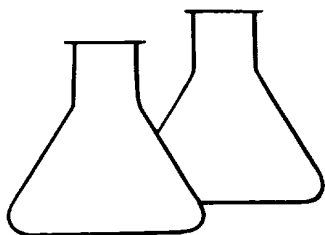
SCALE
0  FEET

PIT PERIMETER

OV
RESULTS

PIT PROFILE





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:	508'	Date Sampled:	07-28-94
Laboratory Number:	7758	Date Received:	07-28-94
Sample Matrix:	Soil	Date Analyzed:	08-09-94
Preservative:	Cool	Date Reported:	08-09-94
Condition:	Cool and Intact	Analysis Needed:	TPH

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

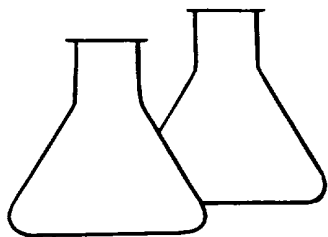
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: JOHNSON GAS COM B #1 SEP PIT A0091

Reyd Griffin
Analyst

Morris 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:	508'	Date Reported:	08-10-94
Laboratory Number:	7758	Date Sampled:	07-28-94
Sample Matrix:	Soil	Date Received:	07-28-94
Preservative:	Cool	Date Analyzed:	08-10-94
Condition:	Cool & Intact	Date Extracted:	08-10-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	13.1
Toluene	111	13.1
Ethylbenzene	261	13.1
p,m-Xylene	167	13.1
o-Xylene	870	13.1

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	119 %
	Bromfluorobenzene	108 %

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

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:

JOHNSON GAS COM B # ~~844~~ A0091 SEP PIT

Rex L. Griffin
Analyst

Marion D. Young
Review