

District I

P.O. Box 1980, Hobbs, NM

Discipline

P.O. Box 991, Artesia, NM 88211

District III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico

Energy, Minerals and Natural Resources Department

DEPUTY OIL & GAS INSPECTOR

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

DEC 13 1996

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: GALLEGOS CANYON UNIT # 200 E
Well Name

Location: Unit or Qtr/Qtr Sec P Sec 29 T 29N R 12W County SAN JUAN

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM, State, Fee, Other UNITED STATES AGMT.

Pit Location: Pit dimensions: length 45', width 37', depth 15'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 190

Direction from reference: 45 Degrees — East North —
of
X West South X

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) ☐

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: 8-26-94

Remediation Method: Excavation X Approx. cubic yards 925
 (Check all appropriate sections) Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____
 (ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation

Ground Water Encountered: No X 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 17'

Sample date 8-26-94 Sample time _____

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 0.954

Field headspace(ppm) 276

TPH 1660 ppm

Ground Water Sample: Yes _____ No X (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 10/25/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

CLIENT: Amico

ENVIROTECH Inc.

PIT NO: A 01025796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615C.D.C. NO: 3847

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 892140PAGE No: of LOCATION: NAME: Gallegos Canyon WELL #: GCY-200 PIT: SeparatorDATE STARTED: 8/26/94QUAD/UNIT: 200E SEC 29 TWP 29N RNG 12W BM NM CNTY: SJ STNMDATE FINISHED: 8/26/94QTR/FOOTAGE: SW 4 SE 0CONTRACTOR: EnvirotechENVIRONMENTAL
SPECIALIST: CJC

SOIL REMEDIATION: EXCAVATION APPROX. 45 FT. x 37 FT. x 15 FT. DEEP.
DISPOSAL FACILITY: onsite land farm CUBIC YARDAGE: 925 (in place)
LAND USE: Range LEASE: Private

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 190 FEET SW FROM WELLHEAD.DEPTH TO GROUNDWATER: >50 NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOC D RANKING SCORE: 10 NMOC D TPH CLOSURE STD: 1000 ppm

SOIL AND EXCAVATION DESCRIPTION: 0'-5' sand fn-md/day, dry, no odor, tan, soft;
5'-10' Pebble Conglomerate/sand matrix; moist; slight odor, soft.
10'-15' Sand fn-md grey-tan, moist, slight odor, soft; some cobbles &
clay stringers, blue grey.

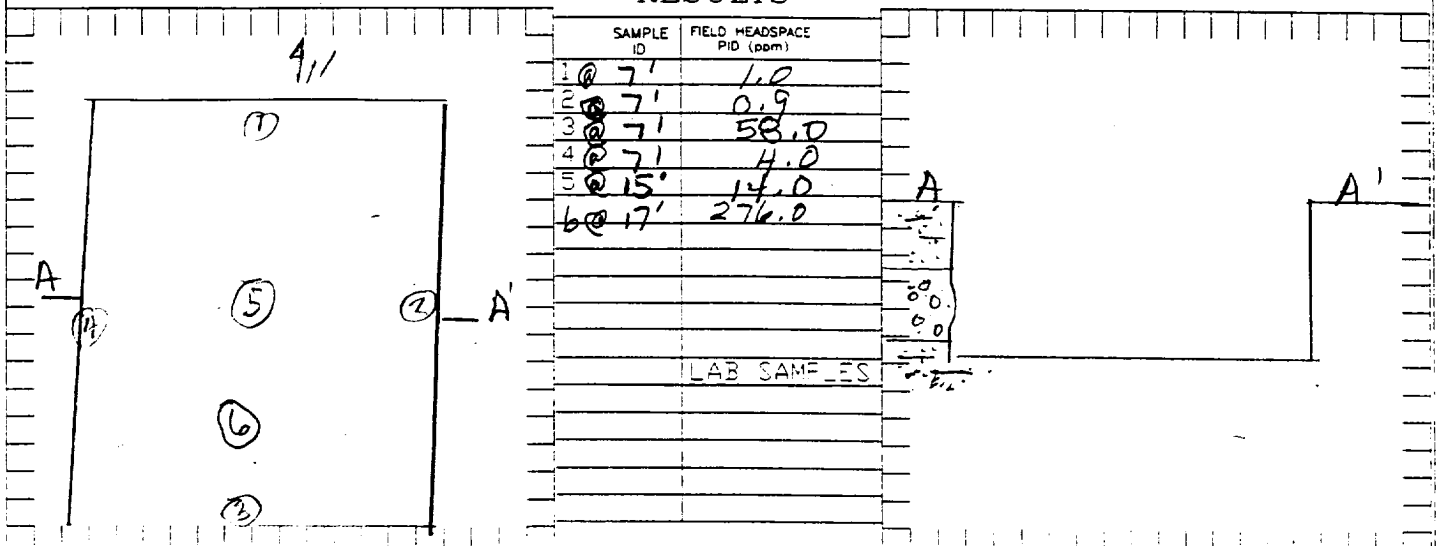
FIELD 418.1 CALCULATIONS

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

SCALE

0 20 FEET
PIT PERIMETEROVM
RESULTS

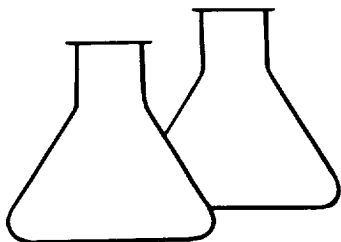
PIT PROFILE



TRAVEL NOTES

CALLOUT:

ON SITE:



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:	6@17' Sep	Date Sampled:	08-26-94
Laboratory Number:	7850	Date Received:	08-26-94
Sample Matrix:	Soil	Date Analyzed:	08-26-94
Preservative:	Cool	Date Reported:	08-29-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	1610	10.0

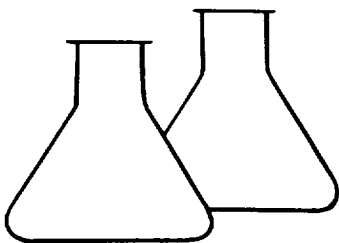
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Gallegos Gas Com # 200E Sep

Rex L. Griffin
Analyst

Mavis D. Young
Review



ENVIROTECH LABS

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EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	6@17'sep	Date Reported:	09-08-94
Laboratory Number:	7850	Date Sampled:	08-26-94
Sample Matrix:	Soil	Date Received:	08-26-94
Preservative:	Cool	Date Extracted:	09-01-94
Condition:	Cool & Intact	Date Analyzed:	09-07-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
-----	-----	-----
Benzene	ND	46.0
Toluene	81	26.3
Ethylbenzene	107	13.1
p,m-Xylene	226	19.7
o-Xylene	540	19.7

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Bromofluorobenzene	110 %

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: Gallegos Gas Com #200 E

Rex L. Griffin
Analyst

Mavis D. Young
Review

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P.O. Drawer DD, Artesia, NM 88211
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P.O. Box 2088
Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: GALLEGOS CANYON UNIT # 200E
Well Name _____
Location: Unit or Qtr/Qtr Sec P Sec 29 T 29N R 12W County SAN JUAN
Pit Type: Separator X Dehydrator _____ Other _____
Land Type: BLM _____, State _____, Fee _____, Other UNITGOMT AGMT,

Pit Location: Pit dimensions: length 65', width 55', depth 15'
(Attach diagram) Reference: wellhead X, other _____
Footage from reference: 175'
Direction from reference: 45 Degrees X East North _____
of _____ West South X

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: 8-26-94Remediation Method: Excavation XApprox. cubic yards 1986

(Check all appropriate sections)

Landfarmed X

Insitu Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____
(ie. landfarmed onsite,
name and location of
offsite facility)

General Description Of Remedial Action: _____

Excavation

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit:

Closure Sampling:

(if multiple samples,
attach sample results
and diagram of sample
locations and depths)Sample location see Attached DocumentsSample depth 15'Sample date 8-26-94

Sample time _____

Sample Results

Benzene(ppm) 0.258Total BTEX(ppm) 3.87Field headspace(ppm) 223TPH 442 ppmGround Water Sample: Yes _____ No X (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 10/25/94

SIGNATURE

B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
Environmental Coordinator

CLIENT: AMOCO

ENVIROTECH Inc.

PIT NO: A0103

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

C.C.C. NO: 3894

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140

PAGE No: 1 of 1

LOCATION: NAME: Galka - GC - WELL #: 200F PIT: Blow Down

DATE STARTED: 8/26/94

QUAD/UNIT: 200 E SEC: 29 TWP: 29N RNG: 12W BM: NM CNTY: S.J. ST: NM

DATE FINISHED: 8/24/94

QTR/FOOTAGE: SW SED

CONTRACTOR: Enviro tech

ENVIRONMENTAL
SPECIALIST: CJC

SOIL REMEDIATION: EXCAVATION APPROX. 65 FT. x 55 FT. x 15 FT. DEEP.

DISPOSAL FACILITY: On site land farm CUBIC YARDAGE: 1986 (in place)

LAND USE: Range LEASE: Private

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 175 FEET SE FROM WELLHEAD.

DEPTH TO GROUNDWATER: 250 NEAREST WATER SOURCE: > 1000' NEAREST SURFACE WATER: > 1000'

NMOC Ranking Score: 10 NMOC TPH Closure Std: 1000 ppm

SOIL AND EXCAVATION DESCRIPTION: QAL 0'-5' sand tan, fn-mcl, dry
no odor
5'-15' Pebbles conglomerat- / thin
1" thick layers of sand & A₂ od
15'- Clay / shale, blue gray, hard,
strong odor

FIELD 418.1 CALCULATIONS

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

SCALE



C

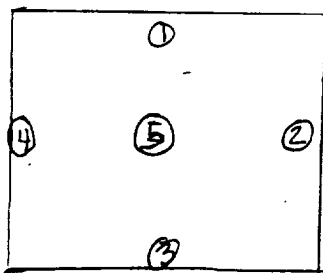
48 FEET

PIT PERIMETER

OVM RESULTS

PIT PROFILE

	SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	@ 7'	66.0
2	@ 7'	6.0
3	@ 7'	3.0
4	@ 7'	69.0
5	@ 15'	723.0

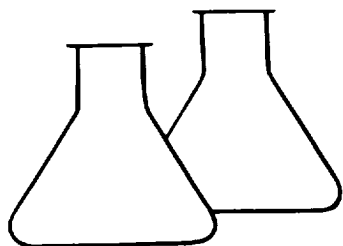


LAB SAMPLES

TRAVEL NOTES

Caldwell

ONSITE



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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	5@15' Blow	Date Sampled:	08-26-94
Laboratory Number:	7851	Date Received:	08-26-94
Sample Matrix:	Soil	Date Analyzed:	08-26-94
Preservative:	Cool	Date Reported:	08-29-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	442	10.0

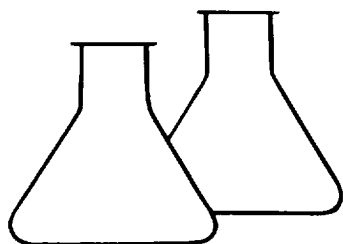
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Gallegos Gas Com # 200E Blow

Rex D. Driffin
Analyst

Marissa 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@15' blow	Date Reported:	09-06-94
Laboratory Number:	7851	Date Sampled:	08-26-94
Sample Matrix:	Soil	Date Received:	08-26-94
Preservative:	Cool	Date Extracted:	09-01-94
Condition:	Cool & Intact	Date Analyzed:	09-02-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
-----	-----	-----
Benzene	258	19.0
Toluene	220	19.0
Ethylbenzene	844	12.7
p,m-Xylene	328	19.0
o-Xylene	2220	19.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Bromofluorobenzene	94 %

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: Gallegos Gas Com #200E

Rex L. Griffin
Analyst

Marianne D. Young
Review