

District I
P.O. Box 1980, Hobbs, NM

District II
P.O. Drawn DE, Hobbs, NM 78201

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

800 71
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

DEC 11 9 1996

PIT REMEDIATION AND CLOSURE REPORT

Approved

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility or: Hancock Gas Com #1
Well Name _____
Location: Unit or Qtr/Qtr Sec L Sec 15 T 30 R 12 County San Juan
Pit Type: Separator _____ Dehydrator _____ other Compressor
Land Type: BLM _____, State _____, Fee X, other _____

Pit Location: Pit dimensions: length 15', width 18', depth 5.5'
(Attach diagram) Reference: wellhead X, other _____
Footage from reference: 70'
Direction from reference: 50 Degrees _____ East North X
of
X 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) 10
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)

RANKING SCORE (TOTAL POINTS): 10

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DIST. 3



Date Remediation Started: 8/18/94 Date Completed: 8/18/94

Remediation Method: Excavation ☒ (Check all appropriate sections) Landfarmed ☒ Approx. cubic yards 55 Insitu Bioremediation ☐ Other ☐

Remediation Location: Onsite ☐ Offsite APC Crouch Mesa Landfarm (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
Sample date 8/18/94 Sample time
Sample Results

Benzene(ppm)
Total BTEX(ppm)
Field headspace(ppm) 743
TPH 408 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 9/16/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator



CLIENT: Amoco / Envirotech

ENVIROTECH Inc.

LOCATION: Amoco NO: A00975796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615C.O.C. NO: 3881

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92145PAGE No: 1 of 1LOCATION: NAME: HANCOCK GAS CO. WELL #: 1 PIT: CompressorDATE STARTED: 8/18/94QUAD/UNIT: L SEC: 15 TWP: 30N RNG: 12W BM: 1147M CNTY: SS ST: NMDATE FINISHED: 8/18/94

QTR/FOOTAGE:

CONTRACTOR: Envirotech - EPCENVIRONMENTAL SPECIALIST: Rmy/SCSOIL REMEDIATION: EXCAVATION APPROX. 15' FT. x 18' FT. x 55' FT. DEEP.DISPOSAL FACILITY: APC Landfarm Crouch Mesa CUBIC YARDAGE: 55LAND USE: Rural Residential LEASE: N/A - PrivateFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 70 FEET N50°W FROM WELLHEAD.DEPTH TO GROUNDWATER: 60'-70' NEAREST WATER SOURCE: Uinkuntu NEAREST SURFACE WATER: >1000'NMCD RANKING SCORE: 10 NMCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:

Contamination appears to be fairly limited to the sand
inner beds within the sandstone layers. BEDROCK is at 5.5' below
surface and is hard enough to make sampling difficult. Lab samples of
the bedrock will be submitted for APC and TEX ANALYSIS.

FIELD 418.1 CALCULATIONS

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

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DIST. 3

SCALE



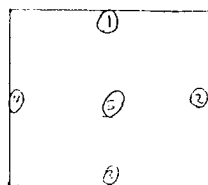
0 5 10

FEET

PIT PERIMETER N

SURFACE FLOW
AND SUSPENDED
SOLIDS
IN THE
PITOVM
RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 0'1"	156.
2 0'2"	2.6
3 0'5"	742
4 0'11"	429
5 0'15.5"	743

LAB SAMPLES

50 5.5' BTEX / 116.1

0'-2' Well-sorted to poorly sorted brown sand.
Loose, moist, non-comp. soil.
No visible contamination.

2'-5.5' Sandstone with thin interbeds
of poorly lithified sand. From
to hard, moist. Visible staining
in sand lenses, no staining in
sandstone.

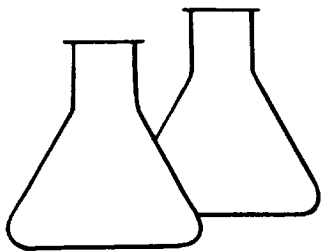
5.5' HARD SANDSTONE (BEDROCK).
No visible contamination.

TRAVEL NOTES:

CALLOUT: _____

ONSITE: _____





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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@ 5.5'	Date Sampled:	08-18-94
Laboratory Number:	7827	Date Received:	08-18-94
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	408	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: Hancock Gas Com # 1 Compressor Pit A0097

Reed Hoiffin
Analyst

Mari S. 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

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PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: Hancock Gas Com # 1
Well Name _____
Location: Unit or Qtr/Qtr Sec (L) Sec 15 T 30N R 12W County San Juan
Pit Type: Separator _____ Dehydrator _____ Other Separator
Land Type: BLM _____, State _____, Fee X, Other _____

Pit Location: Pit dimensions: length 35', width 15', depth 5'
(Attach diagram) Reference: wellhead X, other _____
Footage from reference: 150'
Direction from reference: 45 Degrees _____ East North X
of _____
X 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) <u>10</u>
high water elevation of		
ground water)		

Wellhead Protection Area:		
(Less than 200 feet from a private		
domestic water source, or; less than		
1000 feet from all other water sources)		

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DIST. 3

Yes (20 points)	<u>?</u>
No (0 points)	

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) <u>0</u>
irrigation canals and ditches)		

RANKING SCORE (TOTAL POINTS): 10



Date Remediation Started: 8/18/94 Date Completed: 8/18/94

Remediation Method: Excavation X Approx. cubic yards 112 1000e
(Check all appropriate sections) Landfarmed X Insitu Bioremediation
Other

Remediation Location: Onsite Offsite APC Crouch Mesa Landfarm
(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 5'
Sample date 8-18-94 Sample time

Sample Results

Benzene(ppm) 0.283 @ 4'
Total BTEX(ppm) 84.383 @ 4'
Field headspace(ppm) 400 @ 5'
TPH 263 PPM @ 5'

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 9/16/94
SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator



FIT NO: A 0098

C.C.C. NO: 3888

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92146

PAGE No: 1 of 1

LOCATION: NAME: Hancock Com WELL #: 1 PIT: Separator

DATE STARTED: 8/18/94

QUAD/UNIT: 2 SEC: 15 TWP: 30N RNG: 12W BM: NMPM CNTY: SJ ST: NM

DATE FINISHED: 8/18/9

QTR/FOOTAGE:

CONTRACTOR: EPC

ENVIRONMENTAL SPECIALIST: *WC*

SOIL REMEDIATION: EXCAVATION APPROX. 15 FT. x 35 FT. x 5 FT. DEEP.

DISPOSAL FACILITY: APC Landfarm, Crows, Mesa CUBIC YARDAGE:

LAND USE: Rural Residential LEASE: NA/Private

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 150' FEET NW FROM WELLHEAD.

DEPTH TO GROUNDWATER: 60-70' NEAREST WATER SOURCE: unknown NEAREST SURFACE WATER: >1000

NMCCD RANKING SCORE: 10 NMCCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:

SOIL AND EXCAVATION DESCRIPTION:		DEPTH	DESCRIPTION
strong HC odor from more perm.	0'-2'	QAL	pebble/sand/clay, loose, dry no odor
zones within bedrock. 1" to 2' thick	2'-4'	Bedrock	sand/sandstone orange, tan dry, fm. md grained, well consolidated
	4'-6'	" "	blue grey / strong HC odor sandstone, hard

FIELD 418.1 CALCULATIONS

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

SCALE

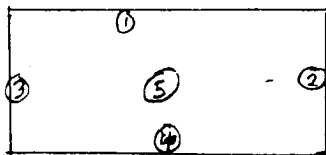


0 5 10 FEET

PIT PERIMETER

OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 5.0'	409
2 @ 5.0'	514
3 @ 4.0'	517
4 @ 3.0'	477
5 @ 5.0'	400

LAB SAMPLES

3/0 4' BTEX

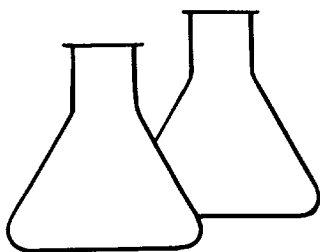
50 51	TPH
-------	-----

TRAVEL NOTES:

CA-001

ONCE





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@ 5'	Date Sampled:	08-18-94
Laboratory Number:	7829	Date Received:	08-18-94
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	263	10.0

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

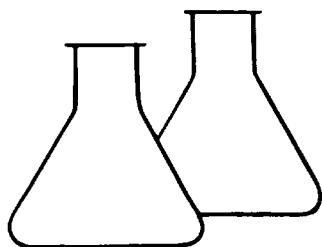
Method: Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and
Waste, USEPA Storet No.4551, 1978

Comments: Hancock Com # 1 Sep. PCT

Rex D. Hoffman
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 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	304.0'	Date Reported:	09-02-94
Laboratory Number:	7828	Date Sampled:	08-18-94
Sample Matrix:	Soil	Date Received:	08-18-94
Preservative:	Cool	Date Extracted:	08-26-94
Condition:	Cool & Intact	Date Analyzed:	09-01-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
-----	-----	-----
Benzene	283	20.0
Toluene	22800	20.0
Ethylbenzene	8900	13.3
p,m-Xylene	23200	20.0
o-Xylene	29200	20.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Trifluorotoluene	202 %
	Bromofluorobenzene	165 %

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: Hancock Com #1 sep. PIT
Excessive surrogate recovery due to coelution

Res. L. Gaffin
Analyst

Morris D. Young
Review

