

District I

P.O. Box 1980, Hobbs, NM

District II

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 20887 - 7 1099
Santa Fe, New Mexico 87504-2088

A0100

OK

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

RECEIVED

OIL CON. DIV.

PIT REMEDIATION AND CLOSURE REPORT

Done 12/10/96 - LF

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: R.P. HARRIS F #3
Well Name

Location: Unit or Qtr/Qtr Sec E Sec 16 T 27N R 10W County SAN JUAN

Pit Type: Separator Dehydrator Other BLOW

Land Type: BLM ✓, State , Fee , Other

Pit Location: Pit dimensions: length 45', width 35', depth 3'
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 165'

Direction from reference: 45 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) 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) 0
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) 0
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 10

AC100 Blow Pit

Date Remediation Started: _____

Date Completed: 8/29/94
915

Remediation Method: Excavation ☒
(Check all appropriate sections) Landfarmed ☒

Approx. cubic yards 175

In situ Bioremediation _____

Other _____

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

Onsite ☒ Offsite _____

General Description Of Remedial Action: _____

Excavation Bedrock Bottom

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 9' (PIT Bottom)

Sample date 8/24/94

Sample time 0852

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 1.9

TPH 63 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 8/29/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

CLIENT: <u>Amoco 92140</u>	ENVIROTECH Inc. <u>[REDACTED]</u> 5796 US HWY. 64, FARMINGTON, NM 87401 (505) 632-0615	PIT NO: <u>A0100</u> C.C. NO: <u>3899</u>
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FIELD REPORT: CLOSURE VERIFICATION		JOB No: <u>92140</u> PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>R.P. HAYGRAVE "F"</u> WELL #: <u>3</u> PIT: <u>BLOW</u>		DATE STARTED: _____ DATE FINISHED: <u>24 Aug 94</u>
QUAD/UNIT: <u>E</u> SEC: <u>16</u> TWP: <u>27N</u> RNG: <u>10W</u> BM: <u>NM</u> CNTY: <u>SA</u> ST: <u>NM</u>		ENVIRONMENTAL SPECIALIST: <u>EM</u>
QTR/FOOTAGE: <u>SW/4 NW/4</u> CONTRACTOR: <u>EPC</u>		

SOIL REMEDIATION: EXCAVATION APPROX. 45 FT. x 35 FT. x 3 FT. DEEP.
 DISPOSAL FACILITY: Landfarm - on site CUBIC YARDAGE: 175
 LAND USE: Range LEASE: 5F-077382

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 165 FEET S45E FROM WELLHEAD.
 DEPTH TO GROUNDWATER 50-60 FEET. NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER >1000
 NMOC RANKING SCORE: 10 NMOC TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:
Soil is yellow-brown slightly moist, silty sand with no odor
Bedrock @ 9ft

FIELD 418.1 CALCULATIONS

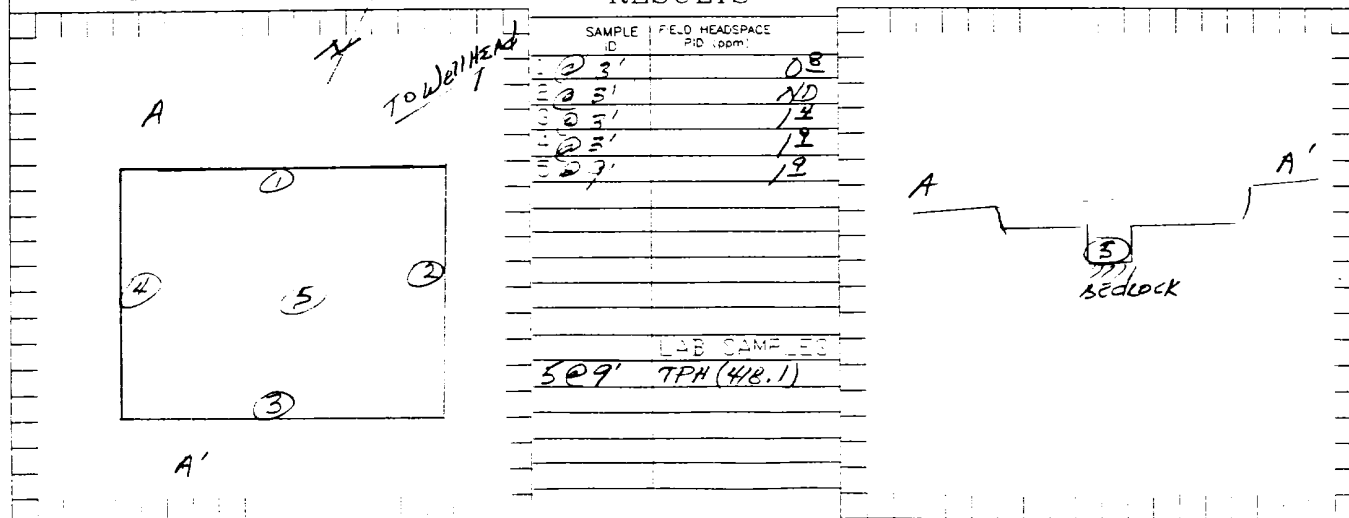
SAMPLE ID	LAB No:	WEIGHT (g)	mL. FREON DILUTION	READING CALC. ppm

SCALE
 1CM=10'
 0 FEET

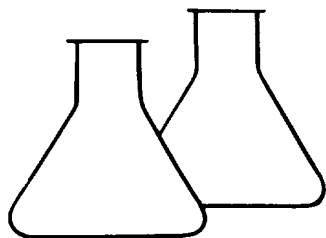
PIT PERIMETER

OVN 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:	5@9'	Date Sampled:	08-24-94
Laboratory Number:	7840	Date Received:	08-24-94
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	63	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: RP Hargrave F#3 Blow Pit A0100

Rex L. Hoffman
Analyst

Moni S. Yang
Review

CHAIN OF CUSTODY RECORD

San Juan repro Form 570-01

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>A0100</u> C.E.C. NO: <u>5768</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>HARGREVE, R.P.</u> F WELL #: <u>3</u> PITS: <u>BLOW</u> QUAD/UNIT: <u>E</u> SEC: <u>16</u> TWP: <u>27N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>SW1/4 NW1/4</u> CONTRACTOR: <u>EPC</u>	DATE STARTED: <u>5/5/98</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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SOIL REMEDIATION:

 REMEDIATION SYSTEM: LANDFARMED

 APPROX. CUBIC YARDAGE: 175

 LAND USE: RANGE

 LIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

 DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

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

MOSTLY MOD. TO DE. YELL. BROWN SAND EXCEPT FOR SAMPLE PT. ⑤ WHICH CONSISTED OF VERY PALE ORANGE SILTY SAND TO SILTY CLAY, NON COHESIVE SLIGHTLY MOIST, FIRM, NO APPARENT DISCOLORATION OR HC ODOR OBSERVED IN ANY OF THE SAMPLE PTS., COLLECTED 5 FT. COMPOSITE FOR LAB ANALYSIS.

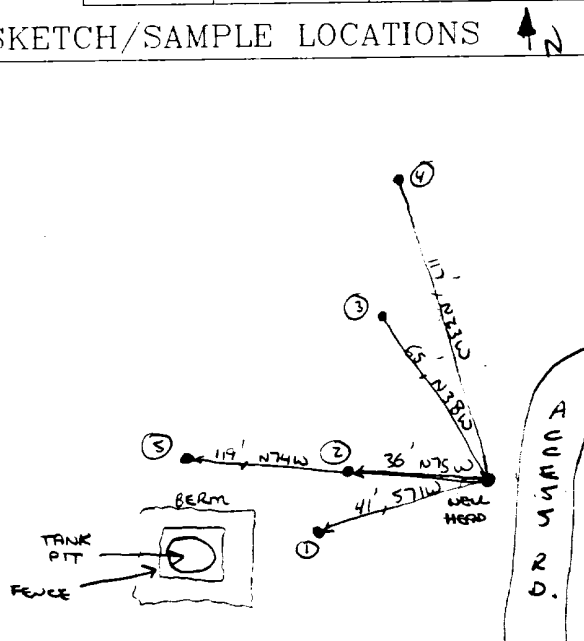
NO ACTUAL LANDFARM ON SITE.

FIELD 418.1 CALCULATIONS

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

SAMPLE PT.
 ⑤ - VERY
 PALE ORANGE

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TAH (BOTS)	1040	0.5

SCALE



0 FT

TRAVEL NOTES:

 CALLOUT: NA

 ONSITE: 5/5/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

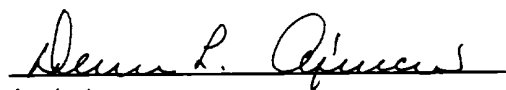
Client:	Blagg / Amoco	Project #:	98028-1
Sample ID:	LF - 1	Date Reported:	05-06-98
Laboratory Number:	D227	Date Sampled:	05-05-98
Chain of Custody No:	5768	Date Received:	05-05-98
Sample Matrix:	Soil	Date Extracted:	05-06-98
Preservative:	Cool	Date Analyzed:	05-06-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

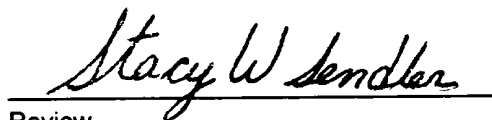
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	0.5	0.1
Total Petroleum Hydrocarbons	0.5	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Hargrave, R. P. F #3 Landfarm. 5 Pt. Composite.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name ELGES/Amoco			Project Location LANDFARM			ANALYSIS/PARAMETERS					
Sampler: (Signature) <i>John V. G.</i>			Chain of Custody Tape No. 04034-10			No. of Containers 1					
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	Remarks RESERVED - COOL						
LF-1	5/5/98	1040	D227	Soil	5 PT. COMPOSITE						
Relinquished by: (Signature) <i>John V. G.</i>			Date 5/5/98	Time 1335	Received by: (Signature) <i>John R. Quinn</i>	Date 5.5.98 Time 1335					
Relinquished by: (Signature)			Received by: (Signature)								
Relinquished by: (Signature)			Received by: (Signature)								

ELGES COC 5766-5770

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmingington, New Mexico 87401
(505) 632-0615