

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

District II

P.O. Drawer DD, Alamogordo, NM 88310

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

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

JAN 11 3

PIT REMEDIATION AND CLOSURE REPORT

A0042

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Cole A # 1 E
Well Name

Location: Unit or Qtr/Qtr Sec NE/SE (I) Sec 35 T 28N R 10W County San Juan

Pit Type: Separator Dehydrator Other Blow

Land Type: BLM X, State, Fee, Other

Pit Location: Pit dimensions: length 12', width 10', depth 14'
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 150'

Direction from reference: 10° Degrees X East North X
of
West South

RECEIVED
JUN 23 1994

Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)
OIL CON. DIV. DIST. 3
Less than 50 feet (20 points)
50 feet to 99 feet (10 points) 0
Greater than 100 feet (0 Points) 0

Wellhead Protection Area: Yes (20 points) 0
(Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources) No (0 points)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) 200 feet to 1000 feet (10 points) 0
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 6/3/94

Remediation Method: Excavation X Approx. cubic yards 200
(Check all appropriate sections) Landfarmed Y 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 9'

Sample date 6/3/94 Sample time 10:30

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 0.497

Field headspace(ppm) 77

TPH ND

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 6/15/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

results copied to Johnny 6/16/94

CLIENT: Amoco

ENVIROTECH Inc.

PIT NO: A0042

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

REC. NO: 3711

FIELD REPORT: CLOSURE VERIFICATION

JCB No: 92140

PAGE No: 1 of 1

LOCATION: NAME: Cole A

WELL #: 1E

PIT: Blow?

DATE STARTED: 6/3/94

QUAD/UNIT: I SEC: 35 TWP: 28N RNG: 10W BM: NM CNTY: SS ST: NA

DATE FINISHED: _____

QTR/FOOTAGE: NE/SE

CONTRACTOR: EPC

ENVIRONMENTAL SPECIALIST: Ten Hansen

SOIL REMEDIATION: EXCAVATION APPROX. 12 FT. x 10 FT. x 14 FT. DEEP.

DISPOSAL FACILITY: land farm on site CUBIC YARDAGE: ~200

LAND USE: Range LEASE: 079508

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 150 FEET N10°E FROM WELLHEAD.

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

NMOCB RANKING SCORE: 0 NMOCB TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION: - yellow/brown sandy silt, slightly moist

- sample @ 9' sampled @ 10:30 & sent to lab for TPH (416.1) + BTEX (8020) analysis

FIELD 4181 CALCULATIONS

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

SCALE

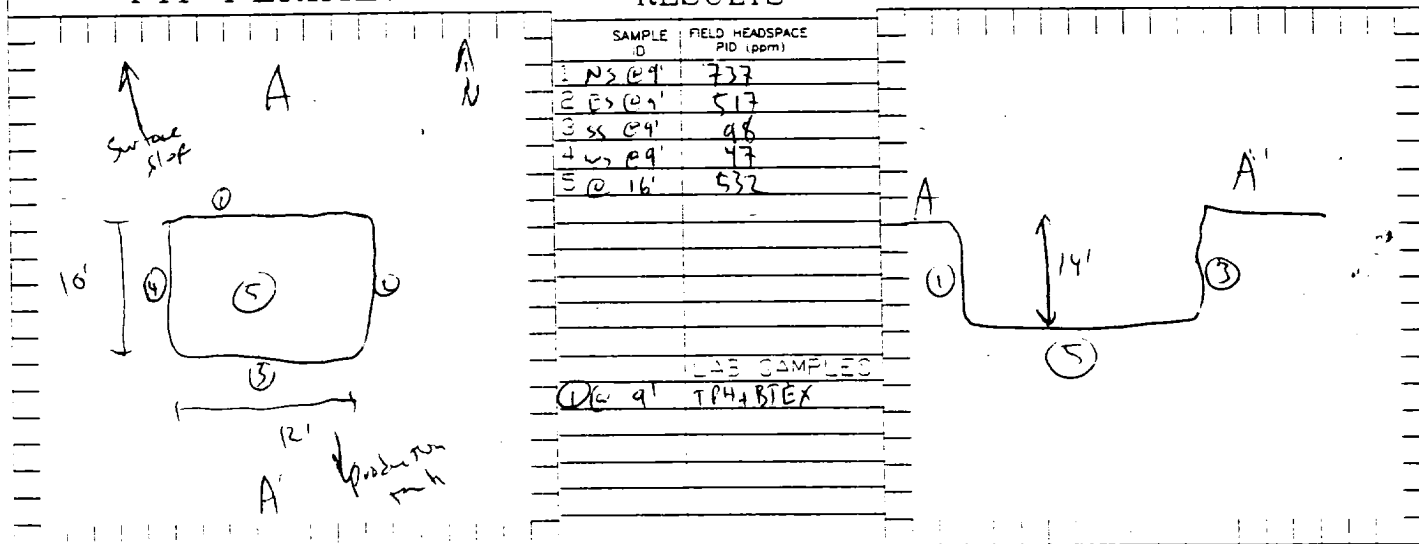


0

FEET
PIT PERIMETER

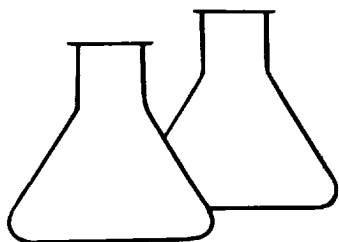
OVN
RESULTS

PIT PROFILE



TRAVEL NOTES: CALLOUT: 6/8/94

ONSITE: 6/3/94



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:	1 @ 9'	Date Sampled:	06-03-94
Laboratory Number:	7550	Date Received:	06-06-94
Sample Matrix:	Soil	Date Analyzed:	06-06-94
Preservative:	Cool	Date Reported:	06-07-94
Condition:	Cool and Intact	Analysis Needed:	TPH

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

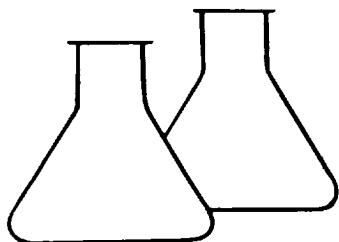
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Cole A #1E -- A0042 Blow (?) Pit

Tom Harn
Analyst

Maria 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:	1 @ 9'	Date Reported:	06-13-94
Laboratory Number:	7550	Date Sampled:	06-03-94
Sample Matrix:	Soil	Date Received:	06-06-94
Preservative:	Cool	Date Extracted:	06-06-94
Condition:	Cool & Intact	Date Analyzed:	06-11-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
-----	-----	-----
Benzene	ND	13.1
Toluene	169	32.9
Ethylbenzene	25	13.1
p,m-Xylene	48	13.1
o-Xylene	255	13

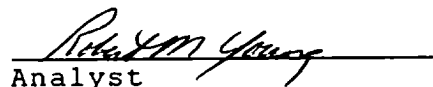
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Trifluorotoluene	87 %
	Bromofluorobenzene	112 %

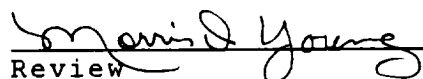
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

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: Cole A #1E Blow Pit A0042.


Analyst


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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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DISTRICT OFFICE
AND 1 COPY TO
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PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>Amoco Production Company</u>		Telephone: <u>(505) - 326-9200</u>
Address: <u>200 Amoco Court, Farmington, New Mexico 87401</u>		
Facility Or: <u>Cole A #1 E</u>		
Well Name		
Location: Unit or Qtr/Qtr Sec <u>NE/SE (I)</u> Sec <u>35</u> T <u>28N</u> R <u>10W</u> County <u>Santa Fe</u>		
Pit Type: Separator <input type="checkbox"/> Dehydrator <input type="checkbox"/> Other <u>Production</u>		
Land Type: BLM <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Other <input type="checkbox"/>		
Pit Location: Pit dimensions: length <u>6'</u> , width <u>9'</u> , depth <u>8'</u> (Attach diagram)		
Reference: wellhead <input checked="" type="checkbox"/> other <input type="checkbox"/>		
Footage from reference: <u>130'</u>		
Direction from reference: <u>10°</u> Degrees <input checked="" type="checkbox"/> East North <input checked="" type="checkbox"/> of <input type="checkbox"/> West South <input type="checkbox"/>		
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)	<u>0</u>
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)	<u>0</u>
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)	<u>0</u>
RANKING SCORE (TOTAL POINTS):		<u>0</u>

Date Remediation Started: _____ Date Completed: 6/3/94

Remediation Method: Excavation ☒ Approx. cubic yards 50
(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 9'

Sample date 6/3/94 Sample time 1105

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 3

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 6/15/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

results copied to Johnny 6/16/94

CLIENT: Amoco

ENVIROTECH Inc.

REF NO: A6042

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

C.E.C. NC 3711

FIELD REPORT: CLOSURE VERIFICATION

JCB No: 92140

PAGE No: 1 of 1

LOCATION: NAME: Cole A WELL #: 1E PIT: Prod

DATE STARTED: 6/3/94

QUAD/UNIT: I SEC: 35 TWP: 26N RNG: 10W BM: Nm CNTY: SJ ST: NM

DATE FINISHED: _____

QTR/FOOTAGE NE/SE CONTRACTOR: EPC

ENVIRONMENTAL
SPECIALIST: TG n Am

SOIL REMEDIATION: EXCAVATION APPROX. 6 FT. x 9 FT. x 8 FT. DEEP.

DISPOSAL FACILITY: land on site CUBIC YARDAGE: ~50

LAND USE: Rangel LEASE: 079508

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 130 FEET N10°E FROM WELLHEAD.

DEPTH TO GROUNDWATER: 7100' NEAREST WATER SOURCE: 7100' NEAREST SURFACE WATER: 7100'

NMCCD RANKING SCORE: 0 NMCCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

- yellow/brown sandy silt, slightly moist

- (5) @ 9' collected @ 11:05 & sent to lab for pH (4.8.1) analysis

FIELD 418.1 CALCULATIONS

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

SCALE



0

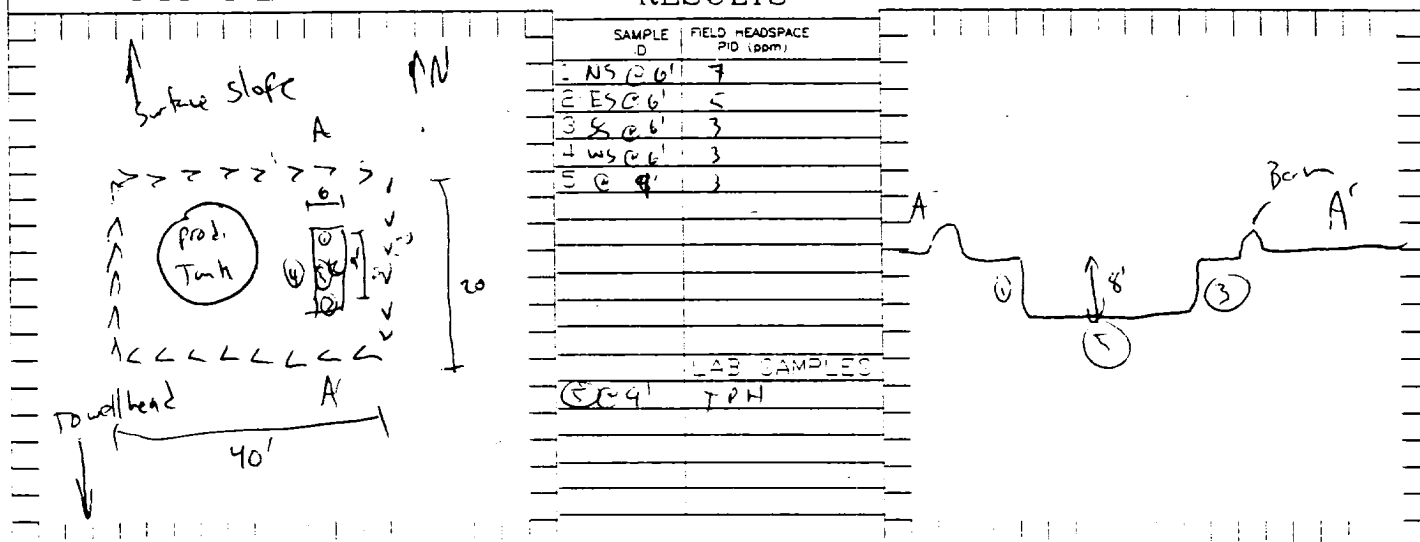
FEET

PIT PERIMETER

OVM

RESULTS

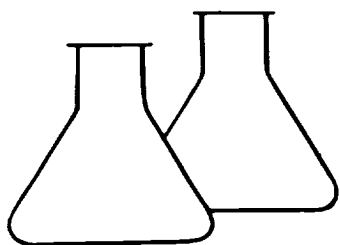
PIT PROFILE



TRAVEL NOTES

6/2/94

6/3/94



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 @ 9'	Date Sampled:	06-03-94
Laboratory Number:	7551	Date Received:	06-06-94
Sample Matrix:	Soil	Date Analyzed:	06-06-94
Preservative:	Cool	Date Reported:	06-07-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	ND	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: Cole A #1E -- A0042 Prod Pit

Tom Allen
Analyst

Mavis D. Young
Review