Tank drain - risk non vulnerable C4055

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

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

RECEIVED
AUG 12 1999
OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: STATE GC BE #1E
Well Name

Location: Unit or Qtr/Qtr Sec O Sec 16 T 30N R 13W County SAN JUAN

Pit Type: Separator ___ Dehydrator ___ Other PRODUCTION TANK

Land Type: BLM ___, State X, Fee ___, Other ___

Pit Location: (Attach diagram)
Pit dimensions: length 25', width 27', depth 17'
Reference: wellhead X, other ___
Footage from reference: 285'
Direction from reference: 33 Degrees ___ East North X of X 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)	0
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):	0

C4055 PROD. TANK PIT

Date Remediation Started: _____ **Date Completed:** 9/17/93

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards 375

Landfarmed ___ Insitu Bioremediation ___

Other _____

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

General Description Of Remedial Action:

Excavation. RISK ASSESSED. VERTICAL EXTENT OF CONTAMINATION WAS ESTABLISHED.

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 Documents

Sample depth 20' (PIT BOTTOM)

Sample date 9/16/93 Sample time 1240

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 21.7

TPH 164

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 9/17/93

SIGNATURE B J Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

[illegible] to [illegible] (MOSS EXCAVATION) 9-17-97 by NV. NO RECOMMENDATIONS

COCR 3019

ENVIROTECH Inc.

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

C4055

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140
PAGE No: 1 of 1

LOCATION: LEASE: STATE GC BE WELL: 1E QD: SW/4 SE/4 (O)
SEC: 16 TWP: 30N RNG: 13W BM: NM CNTY: SAN JUAN ST: NM PIT: ~~BLOW~~ PROD.
CONTRACTOR: MOSS EXCAVATION
EQUIPMENT USED: TRACKHOE

DATE STARTED: 9/16/93
DATE FINISHED: 9/16/93
ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION: QUANTITY: 25 X 27 X 17 (APPROXIMATE) 375 C.Y. NV
DISPOSAL FACILITY: CROUCH MESA COMPOST
LAND USE: RANGE
SURFACE CONDITIONS: UNKNOWN

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 95 YARDS N33W FROM WELLHEAD.
DEPTH TO GROUNDWATER: ~~50-100 FT~~ >100' NV.
NEAREST WATER SOURCE: > 2000 FT.
NEAREST SURFACE WATER: ~~> 750 FT~~. >1000' NV
GRAYISH ORANGE TO DK. MED. GRAY SAND, NON-COHESIVE, SLIGHTLY MOIST TO MOIST, AND LOOSE. APPROX. 1 1/2 FT. DK. MED. GRAY SAND LAYER BETWEEN 17 1/2 - 19 FT. INTERVAL. APPEARS HIGHLY CONTAMINATED FROM THE CENTER TO THE EAST SIDEWALL

RISK ASSESSED NV

FIELD 418.1 CALCULATIONS

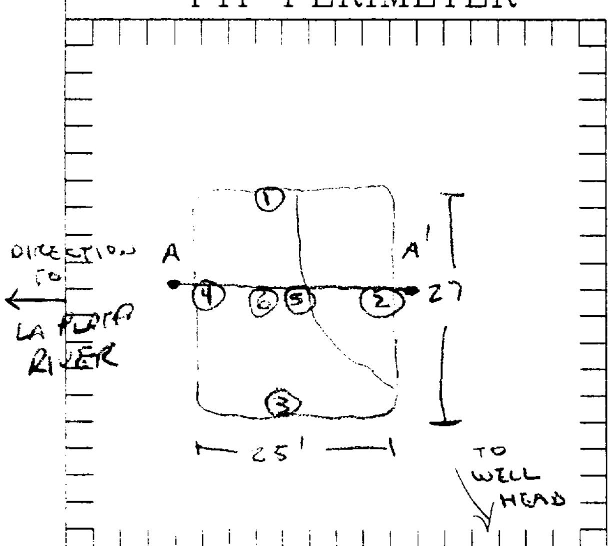
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE

0 FEET

N

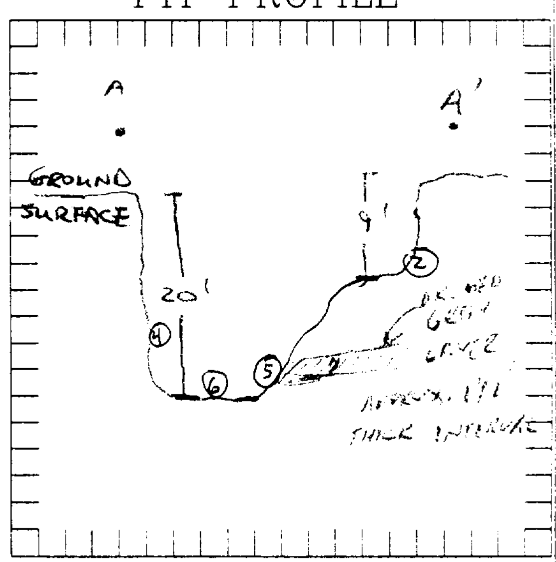
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1@6'	0.0
2@9'	0.0
3@14'	1.0
4@15'	0.0
5@19'	807
6@20'	21.7

PIT PROFILE



TRAVEL NOTES: CALLOUT: 9/15/93 ONSITE: 9/16/93

Well Name:	**State GC BE #1E**
Well Site location:	Unit O, Sec. 16, T30N, R13W
Pit Type:	Production Tank Pit
Producing Formation:	Basin Dakota
Pit Category:	Non Vulnerable
Horizontal Distance to Surface Water:	> 1000 ft.
Vicinity Groundwater Depth:	> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when loader reached practical extent for abandoned pit at 20 ft. below grade.

No past or future threat to surface water or groundwater is likely based on the following considerations:

1. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below presumed shallow sandstone bedrock (based on informal site observation of adjacent sandstone outcrop).

2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.

3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.

4. Well site located on the fringe of the La Plata River **vulnerable area boundary**.

5. Vertical extent of contamination was established within the pit area to below the NMOCD standards (disclosed within their surface impoundment guidelines).

(Refer to Farmington North Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), photorevised 1979, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the subsurface lateral contamination is limited and impact to groundwater is very unlikely. AMOCO requests pit closure approval on this location.

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 @ 20'	Date Sampled:	09-16-93
Laboratory Number:	6120	Date Received:	09-16-93
Sample Matrix:	Soil	Date Analyzed:	09-17-93
Preservative:	Cool	Date Reported:	09-17-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	164	5.0

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: State GC BE #1E, Production Pit, C4055.

Analyst

Review

3019

CHAIN OF CUSTODY RECORD

C4055

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
Amoco 92140	PROD. PIT STATE GC BE #1E	
Sampler: (Signature) Nelson Velez	Chain of Custody Tape No.	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (418.1)						Remarks
(6) @ 26'	9/16/93	1240	6120	SOIL								

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Nelson Velez	9/16/93	1421	A. Chakarborty	9-16-93	1425
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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