

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

DISTRICT II
P.O. Box 1980, Hobbs, NM 88241

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

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

JAN 13 97

PIT REMEDIATION AND CLOSURE REPORT

Approved:

A0075

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: Riddle #2
Well Name
Location: Unit or Qtr/Qtr Sec N Sec 17 T 30 R 9W County SAN JUAN
Pit Type: Separator Dehydrator Other Abandoned Separator
Land Type: BLM ✓, State , Fee , Other

Pit Location: Pit dimensions: length 40, width 40, depth 30
(Attach diagram) Reference: wellhead ✓, other
Footage from reference: 60'
Direction from reference: 82 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) 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) 10

RANKING SCORE (TOTAL POINTS):

10

Date Remediation Started: _____ Date Completed: 6/30/94

Remediation Method: Excavation ☒ Approx. cubic yards 1778
(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
MICROBES HAVE BEEN ADDED TO PIT BOTTOM

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 28'
Sample date 6/30/94 Sample time _____
Sample Results
Benzene(ppm) ND
Total BTEX(ppm) 29.3
Field headspace(ppm) 674
TPH 1100 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 6/30/94
SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

RESULTS TO ENRL 7/14/94 AEO

CLIENT: Amoco

ENVIROTECH Inc.

PIT NO: 40075

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

CLC NO: 395

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140

PAGE No: 1 of 1

LOCATION: NAME: Riddle WELL #: 2 PIT: abandoned sep.
QUAD/UNIT: N SEC: 17 TWP: 30N RNG: 9W BM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: SE/SW CONTRACTOR: Moss

DATE STARTED: 6/30/94
DATE FINISHED: 6/30/94
ENVIRONMENTAL SPECIALIST: CLG

SOIL REMEDIATION: EXCAVATION APPROX. 40 FT. x 40 FT. x 30 FT. DEEP.
DISPOSAL FACILITY: landfilled on-site CUBIC YARDAGE: 1778
LAND USE: range LEASE: 82-080244

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 60 FEET S82E FROM WELLHEAD.

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

NMOC D RANKING SCORE: 10 NMOC D TPH CLOSURE STD: 1000 ppm

SOIL AND EXCAVATION DESCRIPTION:

excavation has slumped and microbes have been added to bottom (w/ water)
bottom is ~5' of stuff
dark yellow brown sand, slightly moist

FIELD 418.1 CALCULATIONS

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

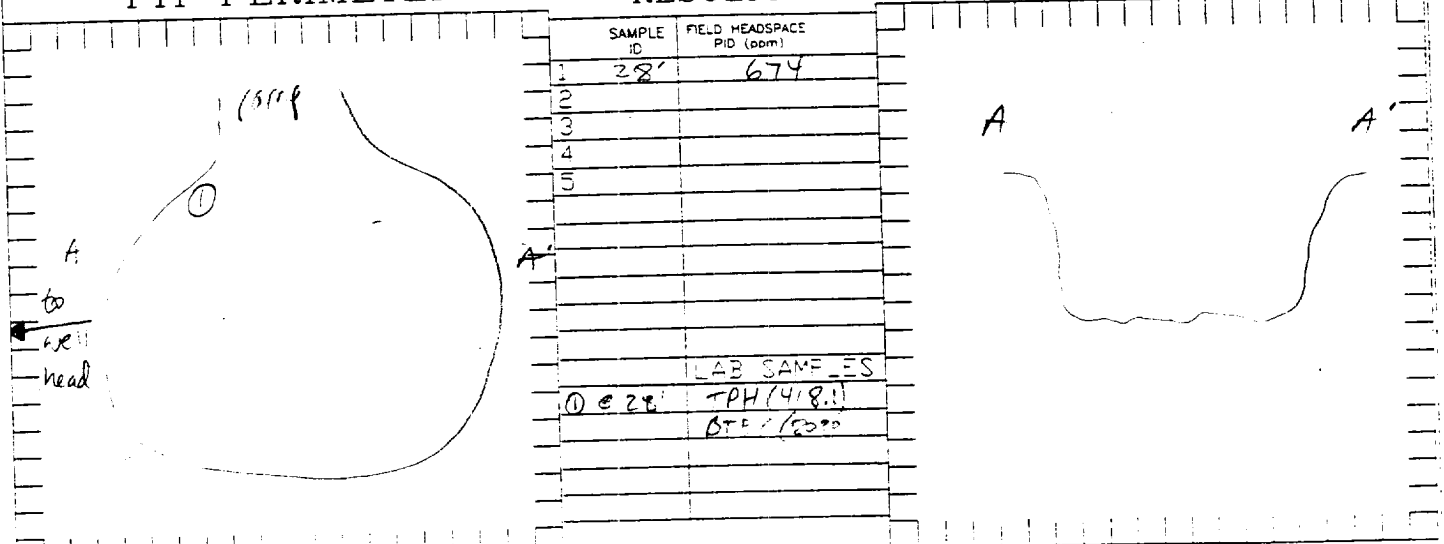
SCALE



FEET
PIT PERIMETER

OVM
RESULTS

PIT PROFILE



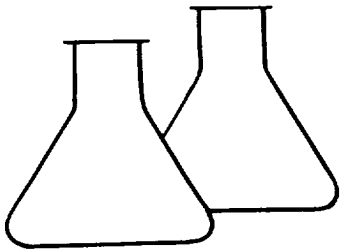
TRAVEL NOTES

CALCULATIONS

6/30/94

ON SITE

6/30/94



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 @ 28'	Date Reported:	07-13-94
Laboratory Number:	7695	Date Sampled:	06-30-94
Sample Matrix:	Soil	Date Received:	06-30-94
Preservative:	Cool	Date Extracted:	07-01-94
Condition:	Cool & Intact	Date Analyzed:	07-11-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
-----	-----	-----
Benzene	ND	20.2
Toluene	1320	26.9
Ethylbenzene	1290	40.4
p,m-Xylene	17300	60.6
o-Xylene	9400	47.1

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Trifluorotoluene	130 %
	Bromofluorobenzene	138 %

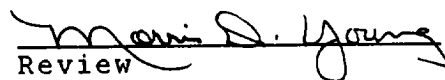
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

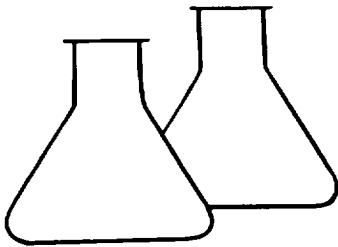
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Riddle 2 Abandoned Separator Pit A0075
Excessive surrogate recovery due to coelution


Analyst


Review



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 @ 28'	Date Sampled:	06-30-94
Laboratory Number:	7695	Date Received:	06-30-94
Sample Matrix:	Soil	Date Analyzed:	07-09-94
Preservative:	Cool	Date Reported:	07-09-94
Condition:	Cool and Intact	Analysis Needed:	TPH

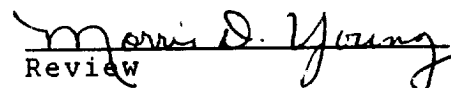
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	1100	30.0

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: Riddle 2 Abandoned Separator Pit A0075


Analyst


Review