

3R - 127

REPORTS

DATE:

April 21, 1994

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

Denial
GW above stds

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>STATE GC "BS" #1</u>	
Well Name	
Location: Unit or Qtr/Qtr sec <u>R NE/4 SW/4</u> sec <u>23</u> T <u>29N</u> R <u>11W</u> County <u>SAN JUAN</u>	
Pit Type: Separator <input checked="" type="checkbox"/> Dehydrator <input type="checkbox"/> Other <input type="checkbox"/>	
Land Type: BLM <input type="checkbox"/> , State <input type="checkbox"/> , Fee <input checked="" type="checkbox"/> , Other <u>Private Land</u>	
Pit Location: (Attach diagram)	Pit dimensions: length <u>20'</u> , width <u>50'</u> , depth <u>3'</u>
	Reference: wellhead <input checked="" type="checkbox"/> , other <input type="checkbox"/>
	Footage from reference: <u>150'</u>
	Direction from reference: <u>15</u> Degrees <input type="checkbox"/> East North <input type="checkbox"/> <input checked="" type="checkbox"/> West of South <input checked="" 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>20</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>20</u>

Date Remediation Started: _____ Date Completed: 2/14/94

Remediation Method: Excavation Approx. cubic yards 120
(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: _____
Pit Excavated w/ Soils Thin spread on Site.

Ground Water Encountered: No _____ Yes Depth 3'

Final Pit: Sample location Refer to "Closure Verification" Sheet
Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth _____
Sample date _____ Sample time _____
Sample Results
Benzene (ppm) _____
Total BTEX (ppm) _____
Field headspace (ppm) _____
TPH _____

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 4/21/94
SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

Lab Results to Mr. Velasquez on 3/2/94 by RMY - No Recommendations

ENVIROTECH Inc

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

COC 3365
C4959

FIELD REPORT: CLOSURE VERIFICATION

JOB No 92140
PAGE No 1 of 1

LOCATION: LEASE STATE GC "BS" WELL No. 1 QD. N0/4 SW/4 (K)
SEC. 23 TWP. 29N RNG. 11W BM. UNMHCNTY. ST STNM PIT. Sev
CONTRACTOR VIRASQUE
EQUIPMENT USED TRACER 405

DATE STARTED: 2/14/94
DATE FINISHED: 2/14/94
ENVIRONMENTAL SPECIALIST: RMY

SOIL REMEDIATION: QUANTITY: _____
DISPOSAL FACILITY: ON SITE
LAND USE: PANGLA
SURFACE CONDITIONS: pit excavated upon arrival

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 50 YARDS S 15' W FROM WELLHEAD.
DEPTH TO GROUNDWATER: 3'
NEAREST WATER SOURCE: ? >1000'
NEAREST SURFACE WATER: >1000'

TRACE OF FUEL PRODUCT ON GROUNDWATER
NO VISIBLE CONTAMINATION IN SOILS IN SIDEWALLS.
Lab Sample "Pit Water" taken for BTEX ANALYSIS
NO RECOMMENDATIONS

FIELD 415.I. CALCULATIONS

SAMPLE ID.	LAB No:	WEIGHT (g)	ML FREQN	DILUTION	READING	CALC. ppm

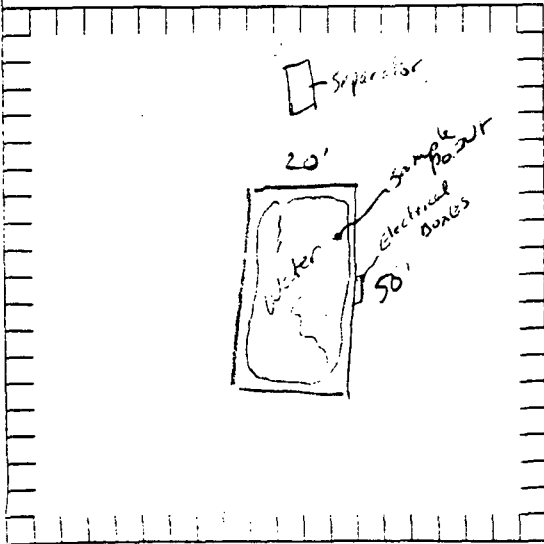


FEET
PIT PERIMETER

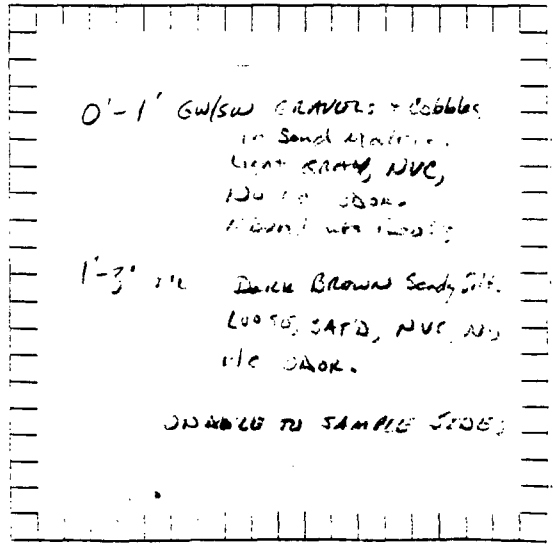
Groundwater
Flow direction

OVN RESULTS

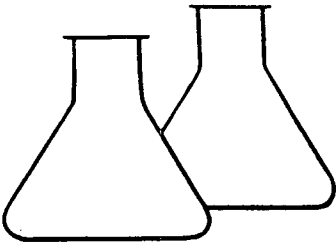
PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)



TRAVEL NOTES CALLOUT: _____ ONSITE: _____



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:	Pit Water	Date Reported:	02-16-94
Laboratory Number:	6861	Date Sampled:	02-14-94
Sample Matrix:	Water	Date Received:	02-15-94
Preservative:	HgCl and Cool	Date Analyzed:	02-15-94
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	220	0.2
Toluene	382	0.4
Ethylbenzene	9.4	0.2
p,m-Xylene	560	0.5
o-Xylene	151	0.5

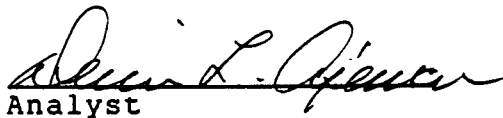
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	101 %


Method: Method 5030A, 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: State GC "BS" #1 Blow Pit C4959


Analyst


Review

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P.O. Box 1980, Hobbs, NM
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1000 Rio Brazos Rd, Aztec, NM 87410

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AND 1 COPY TO
SANTA FE OFFICE

Denial
GW above stls

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: STATE 6C BS 1
Well Name

Location: Unit or Qtr/Qtr Sec K Sec 23 T29N R 11W County SAN JUAN

Pit Type: Separator Dehydrator Other

Land Type: BLM , State , Fee , Other

Pit Location: Pit dimensions: length 50', width 20', depth 5'
(Attach diagram)

Reference: wellhead , other

Footage from reference: 140'

Direction from reference: 30 Degrees East North
 West ^{of} 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>20</u>
high water elevation of			
ground water)			

Wellhead Protection Area:	Yes	(20 points)	
(Less than 200 feet from a private	No	(0 points)	<u>0</u>
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)	
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet	(0 points)	<u>0</u>
irrigation canals and ditches)			

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: _____ Date Completed: 1/24/94

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

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

General Description Of Remedial Action: _____
EXCAVATE / LANDFARM ON SITE

Ground Water Encountered: No _____ Yes X Depth 4'

Final Pit: Sample location PIT WATER
Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth 4'
Sample date 1-24-94 Sample time _____
Sample Results ATTACHED
Benzene (ppm) _____
Total BTEX (ppm) _____
Field headspace (ppm) _____
TPH _____

Ground Water Sample: Yes X 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 4/25/94
SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

ENVIROTECH Inc.

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

EST. NO. C4958

ORDER NO. 3338

FIELD REPORT: CLOSURE VERIFICATION

JOB NO. 92140
PAGE NO. 1 OF 1

LOCATION: LEASE STATE 6C 'BS' WELL #1 QD. NE/4, SW/4 (K)
SEC. 23 TWP. 29N RNG. 11W BM. NM CNTY. S.J. ST NM PIT SEP.
CONTRACTOR: PMU YEASQUE Z
EQUIPMENT USED: _____

DATE STARTED 1-24-94
DATE FINISHED 1-24-94

ENVIRONMENTAL SPECIALIST: REO

SOIL REMEDIATION: QUANTITY: ~185 CU YD

DISPOSAL FACILITY: ON-SITE

LAND USE: RANGE/FARMING

SURFACE CONDITIONS: EXCAVATED ~ 20' x 50' x 5' DEEP

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 140 FEET S. 30° W. FROM WELLHEAD.

WATER @ 4' DEPTH -

SHEEN VISIBLE ON WATER - DIRTY FILM.

DEFINITE HYDROCARBON ODOOR + SHEEN.

FIELD 418.1 CALCULATIONS

SAMPLE ID.	LAB No.	WEIGHT (g)	ML. FRESH DILUTION	READING: CALD. ppm

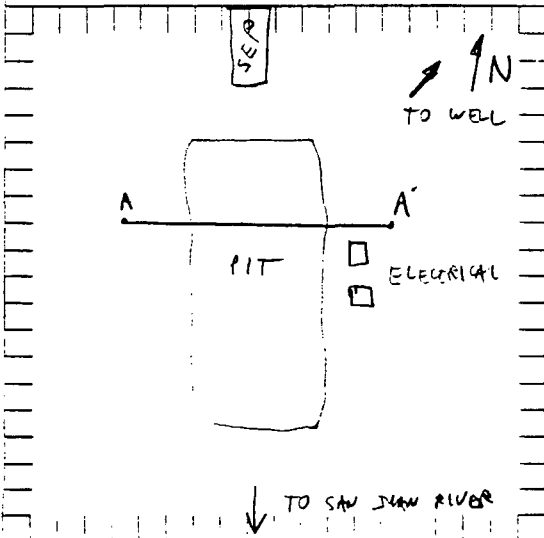
DEPTH TO GROUNDWATER: 4'
NEAREST WATER SOURCE: >1000'
NEAREST SURFACE WATER: 71000' SAN JUAN
WOOD PILING SCORE: 720
WINDY TEST RESULTS: 100 ppm PH

SCALE



0 10 20 FEET

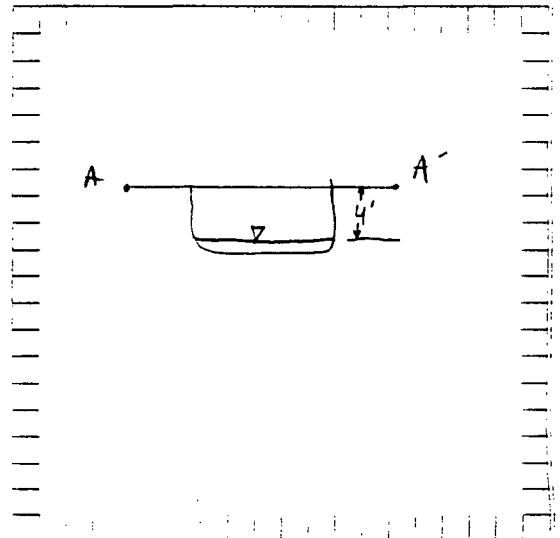
PIT PERIMETER



OVM RESULTS

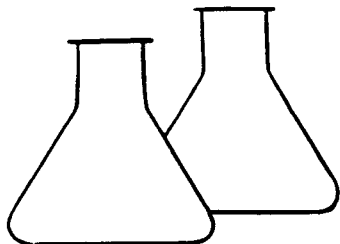
SAMPLE ID	FIELD HEADSPACE (DIO (ppm))
WATER	
PIT @ 4' BTEX	

PIT PROFILE



TRAVEL NOTES: DEPART: 1-24-94

ONSITE: 1-24-94 1530



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	Pit @ 4'	Date Reported:	01-25-94
Laboratory Number:	6784	Date Sampled:	01-24-94
Sample Matrix:	Water	Date Received:	01-25-94
Preservative:	HgCl and Cool	Date Analyzed:	01-25-94
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
-----	-----	-----
Benzene	730	1.0
Toluene	2,020	2.5
Ethylbenzene	163	1.0
p,m-Xylene	1,620	1.5
o-Xylene	392	1.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Trifluorotoluene	100 %
	Bromofluorobenzene	97 %

Method: Method 5030A, 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: State GC "BS" #1 Separator Pit C4958

David L. Brewer
Analyst

Mavis J. Young
Review