

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

Failure  
Sandstone

SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE  
DEPUTY OIL & GAS INSPECTOR

SEP 26 1995

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) 326-9200  
Address: 200 Amoco Court, Farmington, New Mexico 87401  
Facility Or: PAN AMERICAN FEDERAL C 2E  
Well Name  
Location: Unit or Qtr/Qtr Sec D Sec 19 T30N R12W County SAN JUAN  
Pit Type: Separator Dehydrator Other BLOW  
Land Type: BLM X, State, Fee, Other

Pit Location: Pit dimensions: length 72', width 69', depth 1.5'  
(Attach diagram) Reference: wellhead X, other  
Footage from reference: 235  
Direction from reference: 45 Degrees X East North  
of  
West South X

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) 20

Wellhead Protection Area:  
(Less than 200 feet from a private  
domestic water source, or; less than  
1000 feet from all other water sources)

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DIST. 3

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): 20



Date Remediation Started: \_\_\_\_\_ Date Completed: 5-30-95

Remediation Method: Excavation X Approx. cubic yards 276  
(Check all appropriate sections) Landfarmed X Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite X L.C. KELLY #5  
(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 1.5'Sample date 5-30-95 Sample time \_\_\_\_\_

## Sample Results

Benzene(ppm) NDTotal BTEX(ppm) 9.615Field headspace(ppm) 276TPH 3200 ppmGround 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 8-8-95

SIGNATURE

B. ShawPRINTED NAME  
AND TITLEBuddy D. Shaw  
Environmental Coordinator



CLIENT <u>AMOCO</u>	<b>ENVIROTECH INC.</b> ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	LOCATION NO: <u>A0120</u> C.E.C. NO: <u>4235</u>
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<b>FIELD REPORT: CLOSURE VERIFICATION</b> ABAND.	PAGE No: <u>2</u> of <u>2</u>
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LOCATION: NAME: <u>PAN AM Federal "C" WELL # 2E</u> PIT: <u>Blow pit</u> QUAD/UNIT: <u>N44NW4SEC: 19</u> TWP: <u>30N</u> RNG: <u>12W</u> PM: <u>NM</u> CNTY: <u>SJST: NM</u> STR/FOOTAGE: _____ CONTRACTOR: <u>ENVIRONMENTAL</u>	DATE STARTED: _____ DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>HMB</u>
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EXCAVATION APPROX. <u>69</u> FT. x <u>72</u> FT. x <u>15'</u> FT. DEEP. CUBIC YARDAGE: <u>276</u>
DISPOSAL FACILITY: <u>La. &amp; Am. C. 600, 515</u> REMEDIATION METHOD: <u>Land farm</u>
LAND USE: <u>Range</u> LEASE: <u>Federal</u> FORMATION: <u>Surface</u> <u>QJS Alamo</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>235</u> FT. <u>SE</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>&lt;50</u> NEAREST WATER SOURCE: <u>71000</u> NEAREST SURFACE WATER: <u>12000</u> NMDD BANKING SCORE: <u>20</u> NMDD TPH CLOSURE STD: <u>100</u> PPM
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CHECK ONE: <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED
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SOIL AND EXCAVATION DESCRIPTION a- 17ppm b- 7ppm c- 73ppm d- 287ppm e- 54ppm medium silty sand over layer of well sorted medium grained sand. NOTE: phreatic water in the form of salt water abundant in the pit vicinity indicates water near the surface.
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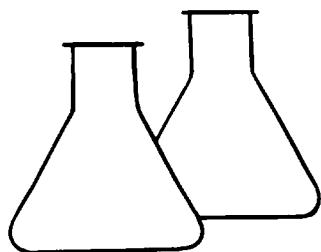
FIELD 418.1 CALCULATIONS							
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC. ppm
1300	① @ 1'	1077	10.02	20	10	97	1936
1330	⑤ @ 1.5'	1078	9.55	20	10	152	3173

SCALE 0 FT	PIT PERIMETER	OVM RESULTS	PIT PROFILE
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	<table border="1"> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE (in)</th> </tr> <tr> <td>① @ 1'</td> <td>142</td> </tr> <tr> <td>② @ 1'</td> <td>21.0</td> </tr> <tr> <td>③ @ 1'</td> <td>35.0</td> </tr> <tr> <td>④ @ 1'</td> <td>135</td> </tr> <tr> <td>⑤ @ 1.5'</td> <td>276</td> </tr> </table>	SAMPLE ID	FIELD HEADSPACE (in)	① @ 1'	142	② @ 1'	21.0	③ @ 1'	35.0	④ @ 1'	135	⑤ @ 1.5'	276	
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TRAVEL NOTES: CALLOUT: _____	ONSITE: _____	COND. _____
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# ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401  
PHONE: (505) 632-0615 • FAX: (505) 632-1865

## FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	AMOCO	Project #:	91412
Sample ID:	Bottom @ 1.5'	Date Analyzed:	05/30/95
Project Location:	Pan Am Fed. "C" # 2E	Date Reported:	05/31/95
Laboratory Number:	GAC1078	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	3,200	100

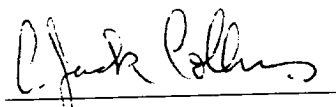
ND = Not Detectable at stated detection limits.

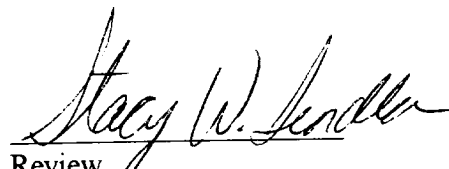
QA/QC:	Original TPH mg/kg	Duplicate TPH mg/kg	% Diff.*
	76	57	29

\*Administrative Acceptance limits set at 30%.

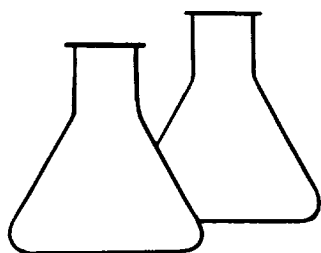
Method: Modified Method 418.1, Petroleum Hydrocarbons, Total  
Recoverable, Chemical Analysis of Water and Waste,  
US EPA Storet No.4551, 1978

Comments: Separator Pit # A0120

  
Analyst

  
Review





# ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401  
PHONE: (505) 632-0615 • FAX: (505) 632-1865

## FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	AMOCO	Project #:	91412
Sample ID:	N. Wall @ 1'	Date Analyzed:	05/30/95
Project Location:	Pan Am Fed. "C" # 2E	Date Reported:	05/31/95
Laboratory Number:	GAC1077	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	1,900	100

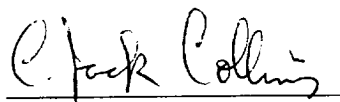
ND = Not Detectable at stated detection limits.

QA/QC:	Original TPH mg/kg	Duplicate TPH mg/kg	% Diff.*
	76	57	29

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

Comments: Separator Pit # A0120

  
Analyst

  
Review

