

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

OK - Lf status (3)  
80094  
SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

**PIT REMEDIATION AND CLOSURE REPORT**

LF at Hargrave, R.P.A #3

Denial 12/9/76 - LF

Operator: Amoco Production Company Telephone: (505) - 326-9200  
Address: 200 Amoco Court, Farmington, New Mexico 87401  
Facility Or: R.P. HARGRAVE D #1  
Well Name  
Location: Unit or Qtr/Qtr Sec K Sec 9 T27N R10W County SAN JUAN  
Pit Type: Separator ☒ Dehydrator ☐ Other ☐  
Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 6', width 8', depth 3'  
(Attach diagram) Reference: wellhead ☒, other ☐  
Footage from reference: 105'  
Direction from reference: 8 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) 0  
No (0 points) ☐

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) 0  
Greater than 1000 feet (0 points) ☐

RANKING SCORE (TOTAL POINTS): 0

80094 SEP. PIT

Date Remediation Started: \_\_\_\_\_ Date Completed: 9/16/94

Remediation Method: Excavation ☒ Approx. cubic yards 5  
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite ✓ R.P. HARRIS A #3  
(ie. landfarmed onsite, name and location of offsite facility) (B-16-27-10)

General Description Of Remedial Action: \_\_\_\_\_

Excavation

Ground Water Encountered: No ☒ 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 8' (PIT BOTTOM)

Sample date 9/16/94 Sample time 1210

Sample Results

Benzene(ppm) \_\_\_\_\_

Total BTEX(ppm) \_\_\_\_\_

Field headspace(ppm) 0.0

TPH 32 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 5/23/98

SIGNATURE B. Shaw

PRINTED NAME  
AND TITLE

Buddy D. Shaw  
ENVIRONMENTAL COORDINATOR



**BLAGG ENGINEERING, INC.**

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1  
TOTAL PETROLEUM HYDROCARBONS**

Client: Amoco  
Sample ID: 5 @ 8'  
Project Location: R.P. Hargrave D 1  
Laboratory Number: TPH-1143

Project #:  
Date Analyzed: 9-19-94  
Date Reported: 9-19-94  
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
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Total Recoverable Petroleum Hydrocarbons	32	20

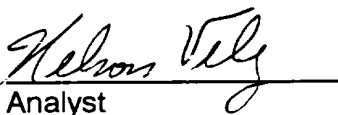
ND = Not Detectable at stated detection limits.

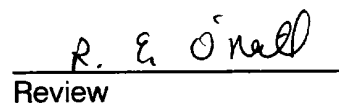
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	372	416	11.17

\* Administrative Acceptance limits set at 30%.

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

Comments: Abandoned Separator Pit - B0094

  
Analyst

  
Review

**BLAGG ENGINEERING, INC.**

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**Field TPH-Worksheet**

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Max Characters:

Client:

Amoco

Project #:

Sample ID:

5 @ 8'

Date Analyzed:

9-19-94

Project Location:

R.P. Hargrave D 1

Date Reported:

9-19-94

Laboratory Number:

TPH-1143

Sample Matrix:

Soil

Sample Weight:

5.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

8 mg/kg

TPH Result:

32.0 mg/kg

Reported TPH Result:

32 mg/kg

Actual Detection Limit:

20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original  
TPH mg/kg

Duplicate  
TPH mg/kg

%  
Diff.

-----  
372

-----  
416

-----  
11.17

Comments:

\*\*\*\*\*Max Characters\*\*\*\*\*

Comments:

Abandoned Separator Pit - B0094

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