

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  
DEPUTY OIL & GAS INSPECTOR

SEP 19 1996

## PIT REMEDIATION AND CLOSURE REPORT

*Approved*

Operator: Amoco Production Company Telephone: (505) - 326-9200  
Address: 200 Amoco Court, Farmington, New Mexico 87401  
Facility Or: JACK FROST E 1  
Well Name  
Location: Unit or Qtr/Qtr Sec D Sec 25 T27N R10W County SAN JUAN  
Pit Type: Separator ☒ Dehydrator ☐ Other ☐  
Land Type: BLM ☐, State ☐, Fee ☐, Other Com. AGMT.

Pit Location: Pit dimensions: length 39', width 35', depth 18'  
(Attach diagram) Reference: wellhead ☒, other ☐  
Footage from reference: 155'  
Direction from reference: 47 Degrees ☒ East North ☐  
of  
☐ West 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) 0  
high water elevation of  
ground water)

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

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: \_\_\_\_\_ Date Completed: 4/13/95

Remediation Method: Excavation ☒ Approx. cubic yards 760  
 (Check all appropriate sections) Landfarmed \_\_\_\_\_ Insitu Bioremediation \_\_\_\_\_  
 other COMPOSTED

Remediation Location: Onsite \_\_\_\_\_ Offsite ☒ JACK FROST C1  
 (ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: \_\_\_\_\_  
Excavation - BOTTOM BEDROCK

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 15'

Sample date 4/13/95 Sample time 1025

Sample Results

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

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

Field headspace(ppm) 681

TPH 10,160 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 4/13/95

SIGNATURE

B. Shaw

PRINTED NAME  
AND TITLE

Buddy D. Shaw  
ENVIRONMENTAL COORDINATOR

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80261</u> C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>JACK FROST</u> WELL #: <u>E1</u> PIT: <u>SEP</u>	DATE STARTED: <u>4/13/95</u> DATE FINISHED: _____
QUAD/UNIT: <u>D</u> SEC: <u>25</u> TWP: <u>27N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>NW1/4 NW1/4</u> CONTRACTOR: <u>P. VELASQUEZ</u>	

EXCAVATION APPROX. <u>39</u> FT. x <u>35</u> FT. x <u>18</u> FT. DEEP. CUBIC YARDAGE: <u>760</u>
DISPOSAL FACILITY: <u>JACK FROST C1</u> REMEDIATION METHOD: <u>COMPOSTED</u>
LAND USE: <u>RANGE</u> LEASE: <u>SF - 077951</u> FORMATION: <u>OK</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>155</u> FT. <u>SE</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>&gt;100'</u>	NEAREST WATER SOURCE: <u>&gt;1000'</u> NEAREST SURFACE WATER: <u>&gt;1000'</u>
NMOC RANKING SCORE: <u>0</u>	NMOC TPH CLOSURE STD: <u>5000</u> PPM
<div style="display: flex; justify-content: space-between;"> <div>SOIL AND EXCAVATION DESCRIPTION:</div> <div style="border: 1px solid black; padding: 5px;"> CHECK ONE:  <input type="checkbox"/> PIT ABANDONED  <input checked="" type="checkbox"/> STEEL TANK INSTALLED </div> </div>	

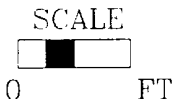
MOD. YELL. ORANGE TO DK. YELL. BROWN SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM TO DENSE (TOWARD BOTTOM 2-3'), STRONG HC ODOR IN SOUTH SIDEWALL OVM SAMPLE.

BOTTOM - SANDSTONE, HARD, LT. GRAY COLOR, STRONG HC ODOR IN OVM SAMPLE.

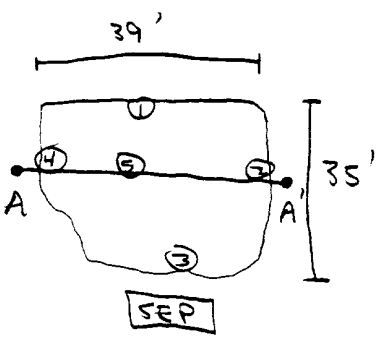
CONDITIONAL

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1025	③ @ 15'	TPH-1453	5	20	10:1	254	10,160



PIT PERIMETER

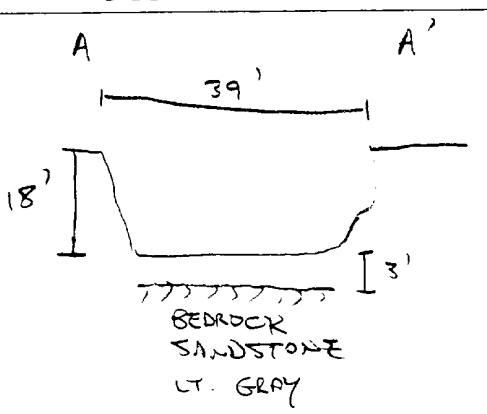


OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 13'	0.0
2 @ 13'	0.0
3	681
4 @ 12'	0.0
5 @ 21'	788

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES:	CALLOUT: <u>4/12/95</u>	ONSITE: <u>4/13/95</u>
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**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: 3 @ 15'  
Project Location: Jack Frost E1  
Laboratory Number: TPH-1453

Project #:  
Date Analyzed: 04-13-95  
Date Reported: 04-13-95  
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	10,200	200


ND = Not Detectable at stated detection limits.

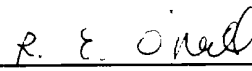
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	14000	13000	7.41

\*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: Separator Pit - B0261

  
Analyst

  
Review