Risk outside ✓A

BTEX

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

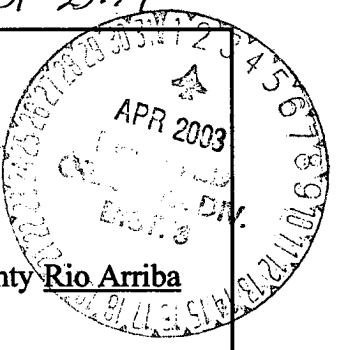
State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 1 copy to appropriate District Office and 1 copy to the Santa Fe Office

(Revised 3/9/94)

# PIT REMEDIATION AND CLOSURE REPORT 30-039-23774




Operator: Burlington Resources Telephone: 505-326-9841

Address: 3401 East 30th St., Farmington, NM 87402

Facility Or: SAN JUAN 29-7 UNIT Well No: 126 Pit No: 1
Well Name

Location: Unit or Qtr/Qtr Sec N Sec 18 T 029N R 007W County Rio Arriba

Pit Type: separator (Separator, Dehydrator, Tank, Vent, Other)

Land Type: BLM (BLM, State, Fee, Other)

Pit Location: Pit Dimension length 9 width 9 depth 3

Reference: wellhead Other _____

Footage from reference: 60

Direction from reference (azimuth): 320 degrees

| | | |
|---|---|---|
| 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) 0 |

RANKING SCORE (TOTAL POINTS): 0

29-7 12c #1

Date Remediation Started: 4/8/2002 Date completed: _____

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

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

General Description of Remedial Action: The lab data from the initial assessment of the pit is detailed below. The pit is NOT located inside the OCD defined Vulnerable Area. Based upon the attached RISK ANALYSIS, it is proposed to close the pit by backfilling with clean soils.

Ground Water Encountered: No (yes or no) Depth:

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location center of pit

Sample depth 3

Sample Date 4/8/2002 Sample time 3:24:00 PM

Sample Results:

Benzene(ppm) 5

Total BTEX(ppm) 190

Field Headspace(ppm) 525

TPH 2383

Ground Water Sample: 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: 3/31/03 Signature E Hasely

Title: Environmental Specialist Printed Name: Ed Hasely

# RISK ANALYSIS FOR EARTHEN PIT CLOSURE

Burlington Resources requests closure of the earthen pit at this location using a limited risk analysis based upon the following conditions:

1. The pit is not located inside the NMOCD defined Vulnerable Areas.

2. Groundwater is estimated to be at a depth greater than 100 feet.

3. The pit is not located within the Wellhead Protection Area - within 200 feet of a private domestic water source or within 1000 feet of all other water sources.

4. The pit is located greater than 1000 feet to surface water.

5. The soils from below the pit bottom were analyzed and the only parameter above NMOCD closure guidelines was total BTEX, which exceeded 50 ppm. The benzene and Total Petroleum Hydrocarbons (TPH) levels were within the NMOCD closure guidelines.

Burlington Resources believes that the earthen pit poses minimal threat to groundwater, human health and the environment.

Inter·Mountain Laboratories, Inc.
2506 West Main Street
Farmington, NM 87401

**Client:** Burlington Resources
**Project:** Pit Closure
**Sample ID:** SJ 29-7 UNIT 126 147301
**Lab ID:** 0302W01687
**Matrix:** Soil
**Condition:** Cool/Intact

**Date Reported:** 05/22/02
**Date Sampled:** 04/08/02
**Date Received:** 04/11/02
**Date Extracted:** 04/17/02
**Date Analyzed:** 04/30/02

| Parameter | Analytical Result | PQL | Units |
|---|---|---|---|
| **BTEX - METHOD 8021B** | | | |
| Benzene | 5 | 5 | mg/Kg |
| Toluene | 13 | 5 | mg/Kg |
| Ethylbenzene | 5 | 5 | mg/Kg |
| Xylenes (total) | 121 | 15 | mg/Kg |
| Total BTEX | 190 | 30 | mg/Kg |
| **GRO/DRO - METHOD 8015M** | | | |
| Gasoline Range Organics(C6-C10) | 1,953 | 50 | mg/Kg |
| Diesel Range Organics (C10 - C22) | 430 | 50 | mg/Kg |
| Total Petroleum Hydrocarbons (C6-C22) | 2,383 | 100 | mg/Kg |

Reference: Method 8021b, Volatile Organic Compounds, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, United States Environmental Protection Agency, SW-846, Volume IB.

Reviewed By: _____

Analyst: _____