Risk
Outside VA
BTEX
TPH

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

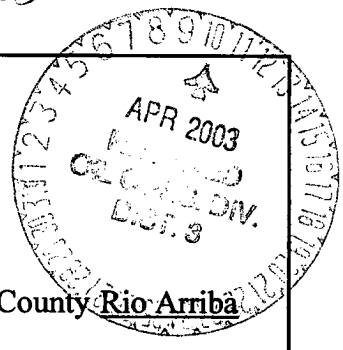
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

(Revised 3/9/94)

30-039-20505

PIT REMEDIATION AND CLOSURE REPORT



Operator: Burlington Resources Telephone: 505-326-9841

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

Facility Or: VAUGHN Well No: 19 Pit No: 1
Well Name

Location: Unit or Qtr/Qtr Sec G Sec 27 T 026N R 006W County Rio Arriba

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

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

Pit Location: Pit Dimension length 10 width 10 depth 3

Reference: wellhead Other _____

Footage from reference: 30

Direction from reference (azimuth): 210 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

Vaughn 19 #1

Date Remediation Started: 4/5/2002 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 or setting a tank in the depression.

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 4/5/2002 Sample time 2:30:00 PM

Sample Results:

Benzene(ppm) <5

Total BTEX(ppm) 150

Field Headspace(ppm) 310

TPH 7100

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: 4/17/03 Signature Ed 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. Total Petroleum Hydrocarbons (TPH) and Total BTEX were above NMOCD closure guidelines, but TPH levels were less than 10,000 ppm. Benzene 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**	**Date Reported:**	05/22/02
Sample ID:	VAUGHN 19 PIT1 5365502	**Date Sampled:**	04/05/02
Lab ID:	0302W01609	**Date Received:**	04/11/02
Matrix:	Soil	**Date Extracted:**	04/17/02
Condition:	Cool/Intact	**Date Analyzed:**	04/29/02

Parameter	Analytical Result	PQL	Units
BTEX - METHOD 8021B			
Benzene	<5	5	mg/Kg
Toluene	14	5	mg/Kg
Ethylbenzene	27	5	mg/Kg
Xylenes (total)	104	15	mg/Kg
Total BTEX	150	30	mg/Kg
GRO/DRO - METHOD 8015M			
Gasoline Range Organics(C6-C10)	3,650	50	mg/Kg
Diesel Range Organics (C10 - C22)	3,400	50	mg/Kg
Total Petroleum Hydrocarbons (C6-C22)	7,100	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: _____