

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)

Risk
outside
VIA
BTEX

30-039-2055

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>Burlington Resources</u>		Telephone: <u>505-326-9841</u>	
Address: <u>3401 East 30th St., Farmington, NM 87402</u>			
Facility Or: <u>VAUGHN</u>	Well No: <u>19</u>	Pit No: <u>2</u>	
Well Name			
Location: Unit or Qtr/Qtr Sec <u>G</u>		Sec <u>27</u>	T <u>026N</u> R <u>006W</u> County <u>Rio Arriba</u>
Pit Type: <u>separator</u> (Separator, Dehydrator, Tank, Vent, Other)			
Land Type: <u>BLM</u> (BLM, State, Fee, Other)			
Pit Location: Pit Dimension length <u>10</u> width <u>10</u> depth <u>3</u>			
Reference: <u>wellhead</u> Other _____			
Footage from reference: <u>20</u>			
Direction from reference (azimuth): <u>35</u> 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) <u>0</u>	
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) <u>0</u>	
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) <u>0</u>	
RANKING SCORE (TOTAL POINTS): <u>0</u>			

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.

Ground Water Encountered: No (yes or no)

Depth: _____

Final Pit:

Sample location center of pit

Closure Sampling:

(if multiple samples,
attach sample results
and diagram of sample
locations and depths)Sample depth 3Sample Date 4/5/2002Sample time 2:45:00 PM

Sample Results:

Benzene(ppm) ≤5Total BTEX(ppm) 80Field Headspace(ppm) 278TPH 1500Ground 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: 3/31/03Signature Ed HaselyTitle: Environmental SpecialistPrinted 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.

Client: Burlington Resources
Project: Pit Closure
Sample ID: VAUGHN 19 PIT2 5365501
Lab ID: 0302W01610
Matrix: Soil
Condition: Cool/Intact

Date Reported: 05/22/02
Date Sampled: 04/05/02
Date Received: 04/11/02
Date Extracted: 04/17/02
Date Analyzed: 04/29/02

Parameter	Analytical Result	PQL	Units
BTEX - METHOD 8021B			
Benzene	<5	5	mg/Kg
Toluene	8	5	mg/Kg
Ethylbenzene	10	5	mg/Kg
Xylenes (total)	63	15	mg/Kg
Total BTEX	80	30	mg/Kg
GRO/DRO - METHOD 8015M			
Gasoline Range Organics(C6-C10)	1,140	50	mg/Kg
Diesel Range Organics (C10 - C22)	310	50	mg/Kg
Total Petroleum Hydrocarbons (C6-C22)	1,500	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: _____