



PATTERSON DRILLING COMPANY LP
A LIMITED PARTNERSHIP
410 North Loraine Street • Midland, Texas 79701
(915) 682-9401 • Fax (915) 682-1565

November 3, 2000

Murchison Oil & Gas, Inc.
1100 Mir Vista Blvd.
Plano, TX 75093-4698

Re: Deviation Report
Black River Fed #1

Gentlemen:

The following is a deviation survey on the above-referenced well located in Eddy County, New Mexico.

148' - 0.25	3895' - 1.00	9098' - 0.50
734' - 0.75	4395' - 1.25	9450' - 3.25
981' - 1.25	4894' - 1.25	9545' - 2.50
1170' - 0.50	5395' - 1.25	9671' - 1.50
1417' - 0.75	5896' - 1.75	10082' - 1.00
1637' - 0.50	6365' - 2.00	10558' - 0.75
1850' - 0.75	6543' - 2.00	10967' - 0.75
2338' - 0.25	7093' - 1.75	11081' - 1.00
2889' - 1.00	7593' - 1.75	11566' - 0.25
3391' - 0.75	8095' - 1.00	11614' - 0.25

Sincerely,

Treva Forrester

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 3rd day of November, 2000 by Treva Forrester.

MY COMMISSION EXPIRES:

NOTARY PUBLIC