



PATTERSON DRILLING COMPANY LP

A LIMITED PARTNERSHIP

410 North Loraine Street • Midland, Texas 79701

(915) 682-9401 • Fax (915) 682-1565

November 14, 2000

Gruy Petroleum Management Co.
3300 N. A St., Bldg. 7, Ste. 100
Midland, TX 79705

Re: Magnum 5 Fed Com #1
Eddy County, New Mexico

Gentlemen:

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

238' - 0.25	3645' - 2.25	4673' - 3.00	5518' - 3.25	7944' - 1.00
575' - 1.00	3707' - 2.50	4734' - 3.75	5580' - 3.25	8251' - 1.25
676' - 0.75	3769' - 2.25	4766' - 3.50	5672' - 3.00	8565' - 2.25
1165' - 1.25	3895' - 2.00	4827' - 3.25	5777' - 2.25	8875' - 1.75
1629' - 1.50	4048' - 2.75	4920' - 3.75	5870' - 2.00	8907' - 2.50
1910' - 1.25	4142' - 2.75	4981' - 3.75	5953' - 2.00	9040' - 1.75
2191' - 0.75	4266' - 3.00	5045' - 3.25	6173' - 1.50	9346' - 1.50
2505' - 0.75	4290' - 3.00	5139' - 3.75	6463' - 1.00	9658' - 1.25
2818' - 1.25	4361' - 3.00	5202' - 3.00	6795' - 1.50	10133' - 1.25
3187' - 1.75	4424' - 3.50	5296' - 3.00	7117' - 1.50	10649' - 1.50
3488' - 2.25	4486' - 3.00	5361' - 3.25	7419' - 0.50	11292' - 1.25
3580' - 2.50	4579' - 3.50	5424' - 3.25	7644' - 1.00	11789' - 0.75
				12000' - 2.00

Sincerely,

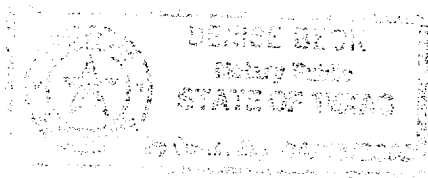
Treva Forrester

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 14th day of November, 2000 by Treva Forrester.

MY COMMISSION EXPIRES:

NOTARY PUBLIC



WELFARE