



Patterson Drilling Company

410 N. Loraine Street — (915) 682-9401
Midland, Texas 79701

November 17, 1999

Louis Dreyfus Natural Gas Company
14000 Quail Springs Pkwy, Ste. 600
Oklahoma City, OK 73134

Re: Deviation Report
Toro 27 #2

Unit E

27 - 19s - 35e
1650/N & 660/W
30 - 025 - 34711

Gentlemen:

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

181' - 0.25	3785' - 1.75	6467' - 0.25	9401' - 0.75
368' - 0.75	3912' - 1.75	6939' - 0.25	9685' - 0.75
1089' - 0.75	4070' - 0.75	7409' - 0.75	10000' - 0.75
1567' - 1.00	4228' - 0.25	7883' - 1.00	10231' - 1.50
2067' - 0.75	4542' - 1.25	8145' - 1.25	10470' - 0.50
2518' - 0.25	4668' - 0.75	8295' - 0.75	10755' - 2.25
2961' - 1.50	4920' - 1.00	8485' - 1.00	10881' - 2.00
3279' - 1.50	5235' - 0.75	8673' - 1.00	11039' - 2.50
3437' - 1.25	5521' - 0.50	8894' - 1.00	11285' - 2.00
3691' - 1.75	5995' - 0.50	9179' - 1.25	

Sincerely,

Treva Forrester

Treva Forrester

STATE OF TEXAS)
COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 17th day of November, 1999 by Treva Forrester.

MY COMMISSION EXPIRES:

Rebecca Edwards

NOTARY PUBLIC

