



Patterson Drilling Company

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

March 30, 1998

Louis Dreyfus Natural Gas Corporation
Ms. Terrye Bryant
14000 Quail Springs Pkwy., Ste. 600
Oklahoma City, OK 73134

RE: Deviation Report
Happy Valley 4 #22

Gentlemen:

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

530' - 1 3/4 °	7290' - 1 °
1020' - 3/4 °	7790' - 2 1/4 °
1500' - 2 3/4 °	7912' - 1 3/4 °
1780' - 2 °	8133' - 1 3/4 °
2280' - 1 3/4 °	8509' - 1 1/2 °
2777' - 1 1/2 °	8977' - 1 °
3263' - 1 1/4 °	9166' - 1 1/4 °
3770' - 3/4 °	9631' - 2 3/4 °
4237' - 3/4 °	10175' - 3 3/4 °
4737' - 3/4 °	10265' - 3 1/4 °
4864' - 1 1/4 °	10384' - 2 3/4 °
5360' - 3/4 °	10550' - 2 1/2 °
5870' - 1 3/4 °	11026' - 1 1/2 °
6300' - 1 1/4 °	11656' - 3/4 °
6800' - 3/4 °	

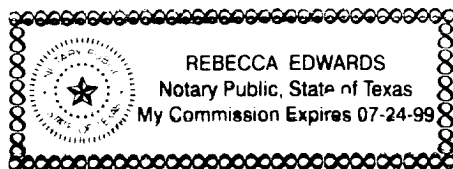
Sincerely,

Treva Forrester

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 30th day of March, 1998 by Treva Forrester.

MY COMMISSION EXPIRES:



NOTARY PUBLIC