

CWT
Eng.



PATTERSON DRILLING COMPANY LP
A LIMITED PARTNERSHIP

410 North Loraine Street • Midland, Texas 79701
(915) 682-9401 • Fax (915) 682-1565

October 12, 2000

KCS Medallion
7130 S. Lewis Ave., Ste. 700
Tulsa, Oklahoma 74136

CONFIDENTIAL

Re: Deviation Report
Shugart West 24 #1

Gentlemen:

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

197' – 0.50	4528' – 1.25
492' – 0.75	4999' – 1.25
758' – 0.50	5471' – 1.00
906' – 0.50	5971' – 0.50
1402' – 1.00	6450' – 0.50
1900' – 1.25	6671' – 0.25
2371' – 1.25	7145' – 1.50
2620' – 1.50	7587' – 2.00
3116' – 1.50	7871' – 2.25
3585' – 1.00	8383' – 1.75
4056' – 1.00	

Sincerely,

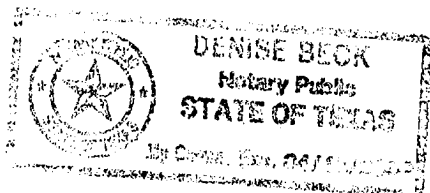
Treva Forrester
Treva Forrester

STATE OF TEXAS)

COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 12th day of October, 2000 by Treva Forrester.

MY COMMISSION EXPIRES:



Denise Beck
NOTARY PUBLIC