



PATTERSON DRILLING COMPANY LP

A LIMITED PARTNERSHIP

410 North Loraine Street • Midland, Texas 79701

(915) 682-9401 • Fax (915) 682-1565

December 15, 2000

Mewbourne Oil Company
P. O. Box 7698
Tyler, Texas 75711

Re: Deviation Report
Shugart 18 Federal #1

Gentlemen:

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

307' - 1.75	2909' - 1.00	5899' - 1.75	7228' - 2.50	9927' - 0.75
488' - 1.75	3418' - 1.00	5995' - 1.50	7291' - 2.00	10208' - 0.75
704' - 1.75	3918' - 1.00	6089' - 1.75	7387' - 2.00	10458' - 1.50
952' - 1.25	4176' - 0.50	6217' - 1.50	7514' - 1.50	10613' - 1.50
1238' - 1.25	4518' - 1.00	6343' - 1.75	7640' - 1.50	10768' - 1.75
1686' - 2.75	4762' - 1.00	6471' - 2.00	7830' - 1.00	10925' - 1.75
1745' - 2.25	4958' - 1.00	6565' - 1.75	8082' - 1.25	11081' - 1.75
1840' - 1.75	5203' - 1.25	6692' - 1.50	8332' - 1.00	11238' - 1.25
1936' - 1.50	5454' - 1.50	6850' - 2.00	8738' - 1.25	11495' - 2.00
2034' - 1.25	5518' - 1.25	6944' - 2.00	9019' - 1.25	11670' - 2.00
2155' - 1.25	5682' - 1.50	7008' - 1.75	9301' - 1.25	11825' - 3.25
2409' - 1.00	5804' - 1.75	7133' - 2.25	9612' - 1.00	

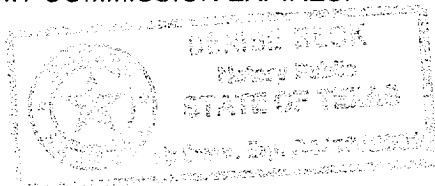
Sincerely,

Treva Forrester

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 15th day of December, 2000 by Treva Forrester.

MY COMMISSION EXPIRES:



NOTARY PUBLIC