

October 8, 1997

WELL NAME AND NUMBER: GRAYBURG DEEP UNIT #14
LOCATION: SEC 25 T17S R29E
OPERATOR: PHILLIPS PETROLEUM CO.
DRILLING CONTRACTOR: PATTERSON DRILLING CO.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>DEGREE AND DEPTH</u>		<u>DEGREE AND DEPTH</u>		<u>DEGREE AND DEPTH</u>	
1.00	500	2.25	5819	3.00	9083
1.00	1000	2.00	5913	2.75	9114
1.00	1492	2.50	6008	2.50	9147
1.00	1992	1.75	6099	2.75	9241
1.00	2469	2.00	6193	2.25	9335
1.50	2969	2.75	6317	2.50	9429
1.00	3469	2.25	6347	2.25	9555
0.75	3882	2.25	6443	2.50	9649
1.00	4130	2.75	6538	2.25	9773
1.00	4255	2.00	6628	2.00	9898
1.50	4415	2.00	6722	1.75	10055
1.75	4520	1.75	6786	1.25	10180
1.25	4661	1.50	6945	1.25	10305
1.25	4849	1.00	7038	1.00	10431
1.00	5006	1.00	7252	0.75	10556
1.00	5166	1.25	7749	1.00	10650
1.00	5291	1.00	8242	0.75	10772
1.75	5445	2.00	8741	0.25	10899
1.75	5538	4.50	8989	0.25	11201
1.75	5630	4.50	9019	NP	11400
1.50	5724	3.00	9051		

Drilling Contractor: PATTERSON DRILLING CO.

By: Billy Jensen
Billy Jensen

Subscribed and sworn to before me this 8th day of October, 1997

My Commission Expires:
June 30, 2001

Mary G. Henson
Mary G. Henson