

AUGUST 11, 1997

WELL NAME AND NUMBER: SPUD "16" #1
LOCATION: Sec. 16 T23S R29E
OPERATOR: SANTA FE ENERGY RESOURCES
DRILLING CONTRACTOR: PATTERSON DRILLING

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	356	1.25	3435	1.00	8100
1.00	850	1.25	3935		
2.00	1480	1.00	4403		
2.00	1648	1.00	4900		
1.00	1774	1.25	5400		
1.00	2149	0.75	5900		
2.75	2389	1.50	6186		
2.50	2500	1.00	6680		
1.75	2616	1.50	7188		
2.25	2800	1.25	7427		
1.25	2945	1.25	7709		

Drilling Contractor: Patterson Drilling

By: B. Jensen
Billy Jensen

Subscribed and sworn to before me this 11th day of Aug. 1997.

My Commission Expires:
June 30, 2001

Mary G. Henson
Mary G. Henson