

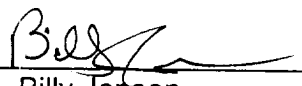
DECEMBER 16, 1997

WELL NAME AND NUMBER: NAGOOOTEE PEAK "5" FED #1³
LOCATION: Sec. 5 T22S R24E
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:

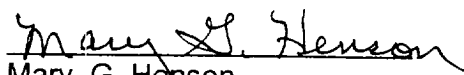
DEGREE AND DEPTH		DEGREE AND DEPTH		DEGREE AND DEPTH	
1.75	148	0.75	4286	0.50	7044
0.75	238	1.25	4532	0.50	7315
0.75	355	0.75	4783	1.00	7608
1.00	580	1.00	5090	1.00	7888
1.00	825	1.00	5478	1.00	8266
1.25	1320	1.25	5757	0.25	8500
1.25	1813	1.75	5914		
1.00	2310	1.50	6132		
1.25	2787	1.00	6382		
0.75	3287	1.00	6604		
0.75	3790	0.75	6910		

Drilling Contractor: Patterson Drilling

By: 
Billy Jensen

Subscribed and sworn to before me this 16th day of Dec. 1997.

My Commission Expires:
June 30, 2001


Mary G. Henson