

December 4, 1997

WELL NAME AND NUMBER: BUTKUS UNIT #1  
LOCATION: Sec. 9 T13S R31E  
OPERATOR: YATES PETROLEUM  
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:

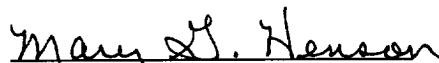
<u>DEGREE AND DEPTH</u>		<u>DEGREE AND DEPTH</u>		<u>DEGREE AND DEPTH</u>	
0.00	276	0.75	6235	2.50	10023
0.75	990	1.00	6550	3.00	10115
1.00	1419	2.00	6929	2.75	10203
1.00	1830	2.00	7431	3.50	10298
1.00	2327	2.25	7822	2.00	10389
1.00	2703	1.75	8095	2.25	10450
1.00	2984	1.75	8471	2.25	10573
1.25	3288	0.25	8936	2.50	10698
1.00	3788	0.75	9153	3.00	10953
1.00	4267	2.50	9685	2.75	11066
0.75	4736	2.00	9715	3.00	11273
0.75	5236	2.75	9870	3.00	11580
0.50	5736	3.25	9957		

Drilling Contractor: PATTERSON DRILLING

By:   
Billy Jensen

Subscribed and sworn to before me this 4th day of December, 1997

My Commission Expires:  
June 30, 2001

  
Mary G. Henson