

April 23, 1998

WELL NAME AND NUMBER: TOMAHAWK 34 FED #1
LOCATION: Sec. 34 T20S R33E
OPERATOR: NEARBURG OPERATING
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>	
0.75	160	2.50	4217	2.75	9498
0.25	377	3.00	4431	2.75	9560
0.25	523	2.25	4522	2.00	9622
0.50	830	2.00	4645	2.00	9715
0.25	1080	2.00	4864	2.00	9841
1.00	1579	2.25	5112	1.00	10094
1.25	1804	2.00	5250	1.50	10570
1.00	2074	1.25	5350	0.50	10895
0.75	2330	1.50	5850	0.75	11296
1.00	2674	1.00	7340	1.25	11575
1.00	2922	1.00	7832	1.00	12014
1.50	3132	1.00	8275	1.50	12453
2.00	3226	1.50	8790	1.75	13025
1.50	3319	3.25	9286	1.25	13525
1.75	3539	3.00	9404	2.75	14345
2.25	4001	2.75	9435		

Drilling Contractor: PATTERSON DRILLING

By: Billy Jensen
Billy Jensen

Subscribed and sworn to before me this 23rd day of April, 1998

My Commission Expires:
June 30, 1998

Mary G. Hanson
Mary G. Hanson