

July 10, 1997

WELL NAME AND NUMBER:
LOCATION:
OPERATOR:
DRILLING CONTRACTOR:

LITTLE 6 #1 Unit K
SEC.6 T16S R36E 2065/S & 2038/W
CHESAPEAKE OPERATING
PATTERSON DRILLING CO. 30-025-33934

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		
0.50	125	S52W	1.25	6688	N40W	2.60	9430	S35.2E
0.25	468	N80E	0.75	6912	N45W	2.60	9461	S38.4E
0.50	716	S55E	0.75	7421	N20W	2.80	9493	S36.5E
0.75	1546	S76W	0.75	7925	N35W	3.20	9525	S40.8E
0.75	2022	N20W	1.00	8412	N35E	3.30	9557	S42.2E
1.25	2689	N55W	0.75	8890	N12E	3.50	9756	S50E
1.25	3200	N42W	0.30	9140	S38.4E	3.25	10007	S40E
1.75	3707	N20W	0.50	9174	S12.1E	2.75	10259	S45E
0.75	4394	N25W	1.00	9206	S23.6E	2.00	10543	S40E
0.50	4872	N5W	1.10	9238	S17.7E	2.00	10796	S15E
0.25	5440	N10W	1.10	9270	S14.6E	1.75	10985	S5E
0.75	5823	N50W	1.30	9302	S28.6E	0.75	11227	S10E
1.50	6433	N65W	2.40	9398	S31.1E	1.00	11462	S25E
						2.25	11819	S15E

Drilling Contractor: Patterson Drilling Co.

By: Billy Jensen
Billy Jensen

Subscribed and sworn to before me on this 10th day of July, 1997.

My Commission Expires:
June 30, 2001

Mary G. Henson
Mary G. Henson