

October 30, 1997

WELL NAME AND NUMBER:

KIM #1-1 #1-P

LOCATION:

SEC.1 T16S R36E

730/S & 716/E

OPERATOR:

CHESAPEAKE OPERATING

DRILLING CONTRACTOR:

PATTERSON DRILLING 30-025-34133

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		
0.25	822	N23E	1.25	4827	N50W	1.00	9227	N15W
1.00	1208	N52W	1.50	5326	N73W	1.75	9372	
0.50	1667	S35W	1.00	5819		1.50	9567	S36W
1.50	2532	N65W	0.75	6284	N5W	2.50	9805	S45W
1.00	2997	N11W	0.50	6779	S26W	2.50	9942	S35W
NP	3420	S36E	0.50	7239	N31W	2.50	10071	S40W
1.00	2893'		0.25	7709	N56W	2.50	10201	S38W
1.00	3463	N11E	0.75	8175	N55W	2.00	10699	S28W
0.50	3898		0.50	8639	N74W	2.50	11169	S16W
0.75	4365	N43W	1.75	9108	S45W	1.50	11639	S41W

Drilling Contractor: PATTERSON DRILLING.

By:

  
Billy Jensen

Subscribed and sworn to before me on this 30th day of October, 1997

My Commission Expires:

June 30, 2001

  
Mary G. Henson