

WELL NAME AND NUMBER Sanmal ~~E~~ 8 #1-F 30-025-35594
 LOCATION Section 8, T-16-S, R-33-E, Lea County, New Mexico 1980/W + 1980/W
 OPERATOR Chesapeake Operating, Inc., P.O. Box 18496, Oklahoma City, OK 73154-0496
 DRILLING CONTRACTOR TMBR/Sharp Drilling, Inc., P. O. Drawer 10970, Midland, TX 79702

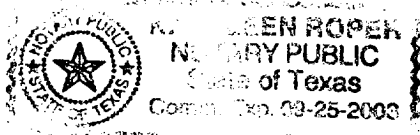
The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
.50 @ 209'	.75 @ 4,197'	1.00 @ 9,792'	1.25 @ 13,177'
.75 @ 420'	.75 @ 4,558'	1.00 @ 10,076'	2.00 @ 13,650'
1.00 @ 914'	.75 @ 4,870'	1.25 @ 10,213'	
2.75 @ 1,416'	.75 @ 5,378'	.75 @ 10,450'	
2.00 @ 1,574'	.75 @ 5,873'	.50 @ 10,670'	
2.25 @ 1,822'	.50 @ 6,376'	.25 @ 10,918'	
1.50 @ 2,010'	1.00 @ 6,876'	.50 @ 11,141'	
1.00 @ 2,263'	.75 @ 7,379'	.25 @ 11,298'	
1.00 @ 2,514'	.25 @ 7,819'	1.00 @ 11,548'	
.50 @ 2,792'	.25 @ 8,318'	.25 @ 11,796'	
1.00 @ 3,044'	1.00 @ 8,821'	1.00 @ 12,045'	
1.25 @ 3,326'	1.50 @ 8,978'	1.75 @ 12,136'	
1.00 @ 3,576'	2.00 @ 9,197'	2.00 @ 12,360'	
1.00 @ 3,828'	1.75 @ 9,320'	1.50 @ 12,580'	
1.00 @ 4,080'	1.75 @ 9,481'	1.25 @ 12,800'	

Drilling Contractor TMBR/Sharp Drilling, Inc.

By Jeffrey D. Phillips, President

Subscribed and sworn to before me this 1st day of March



Commission expires: 9/25/03

Kathleen Roper
 Notary Public Kathleen Roper

Midland County, Texas

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