

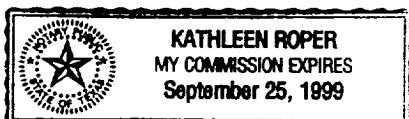
WELL NAME AND NUMBER Billey North "22" Federal #1  
Unit L 1980/S & 660/W  
 LOCATION Section 22, T-21-S, R-32-E, Lea County, New Mexico 30-025-33320  
 OPERATOR Penwell Energy, Inc., 600 N. Marienfeld, Suite 1100, Midland, Texas 79701  
 DRILLING CONTRACTOR TMBR/Sharp Drilling, Inc., P.O. Drawer 10970, Midland, Texas 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
<u>.50° @ 498'</u>	<u>.50° @ 6,326'</u>	<u>1.50° @ 11,824'</u>	<u>                    </u>
<u>1.25° @ 819'</u>	<u>.75° @ 6,877'</u>	<u>1.75° @ 12,246'</u>	<u>                    </u>
<u>1.00° @ 892'</u>	<u>.75° @ 7,160'</u>	<u>1.25° @ 12,590'</u>	<u>                    </u>
<u>1.50° @ 1,255'</u>	<u>1.00° @ 7,505'</u>	<u>.75° @ 12,996'</u>	<u>                    </u>
<u>1.00° @ 1,763'</u>	<u>.75° @ 7,893'</u>	<u>1.00° @ 13,168'</u>	<u>                    </u>
<u>1.25° @ 2,214'</u>	<u>1.50° @ 8,442'</u>	<u>.75° @ 13,520'</u>	<u>                    </u>
<u>1.25° @ 2,743'</u>	<u>1.00° @ 8,770'</u>	<u>.75° @ 13,867'</u>	<u>                    </u>
<u>2.25° @ 3,196'</u>	<u>2.00° @ 9,209'</u>	<u>.75° @ 14,310'</u>	<u>                    </u>
<u>2.25° @ 3,308'</u>	<u>1.75° @ 9,552'</u>	<u>1.25° @ 14,450'</u>	<u>                    </u>
<u>2.00° @ 3,588'</u>	<u>2.50° @ 9,900'</u>	<u>1.25° @ 15,020'</u>	<u>                    </u>
<u>2.-0° @ 4,007'</u>	<u>1.75° @ 10,178'</u>	<u>                    </u>	<u>                    </u>
<u>1.75° @ 4,524'</u>	<u>2.00° @ 10,416'</u>	<u>                    </u>	<u>                    </u>
<u>1.75° @ 4,940'</u>	<u>1.75° @ 10,700'</u>	<u>                    </u>	<u>                    </u>
<u>.50° @ 5,353'</u>	<u>.75° @ 10,992'</u>	<u>                    </u>	<u>                    </u>
<u>.50° @ 5,843'</u>	<u>1.00° @ 11,397'</u>	<u>                    </u>	<u>                    </u>

Drilling Contractor TMBR/Sharp Drilling, Inc.

By Jeff Phillips  
Jeff Phillips, Engineering Manager  
 Subscribed and sworn to before me this 29th day of January, 19 97



Kathleen Roper  
 Notary Public Kathleen Roper

Commission expires: 9/25/99

Midland County, Texas