

WELL NAME AND NUMBER J.D. "33" Federal #1 Unit B
LOCATION Section 33, T-21-S, R-33-E, Lea County, New Mexico 66D/N 4 2080/E
OPERATOR Penwell Energy, Inc., 500 N. Marienfeld, Suite 1100, Midland, Texas 79701
DRILLING CONTRACTOR TMBR/Sharp Drilling, Inc., P.O. Drawer 10970, Midland, Texas 79702
30-025-33488

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 test and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>.25° @ 221'</u>	<u>2.75° @ 3,274'</u>	<u>1.00° @ 8,745'</u>	<u> </u>
<u>.50° @ 395'</u>	<u>2.00° @ 3,369'</u>	<u>1.25° @ 9,269'</u>	<u> </u>
<u>.25° @ 431'</u>	<u>1.25° @ 3,462'</u>	<u>1.25° @ 9,765'</u>	<u> </u>
<u>.25° @ 640'</u>	<u>.75° @ 3,617'</u>	<u>1.25° @ 10,267'</u>	<u> </u>
<u>1.75° @ 1,392'</u>	<u>.50° @ 3,869'</u>	<u>.75° @ 10,753'</u>	<u> </u>
<u>1.75° @ 1,497'</u>	<u>1.25° @ 4,371'</u>	<u>.50° @ 11,245'</u>	<u> </u>
<u>1.75° @ 1,642'</u>	<u>1.00° @ 4,872'</u>	<u>.75° @ 11,749'</u>	<u> </u>
<u>1.75° @ 1,797'</u>	<u>.50° @ 5,265'</u>	<u>.75° @ 12,280'</u>	<u> </u>
<u>1.50° @ 1,954'</u>	<u>1.00° @ 5,514'</u>	<u>1.00° @ 12,777'</u>	<u> </u>
<u>2.00° @ 2,143'</u>	<u>.50° @ 5,695'</u>	<u>.50° @ 13,330'</u>	<u> </u>
<u>1.75° @ 2,237'</u>	<u>.50° @ 6,203'</u>	<u>.25° @ 13,465'</u>	<u> </u>
<u>1.00° @ 2,394'</u>	<u>.50° @ 6,704'</u>	<u>.25° @ 13,920'</u>	<u> </u>
<u>.75° @ 2,610'</u>	<u>.50° @ 7,206'</u>	<u>.75° @ 14,460'</u>	<u> </u>
<u>1.25° @ 2,896'</u>	<u>1.25° @ 7,704'</u>	<u>.50° @ 14,700'</u>	<u> </u>
<u>2.75° @ 3,179'</u>	<u>.75° @ 8,206'</u>	<u>.25° @ 15,100'</u>	<u> </u>

Drilling Contractor TMBR/Sharp Drilling, Inc.

By Jeff Phillips
Jeff Phillips, Engineering Manager
Subscribed and sworn to before me this 4th day of September, 19 96



Kathleen Roper
Notary Public Kathleen Roper

Commission expires: 9/25/99

Midland County, Texas