

WELL NAME AND NUMBER Tomcat "15" Federal #1
 LOCATION Section 15, T-23-S, R-32-E, Lea County, New Mexico
 OPERATOR Penwell Energy, Inc.
 DRILLING CONTRACTOR TMBR/Sharp Drilling, Inc.

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:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>.75° @ 15,064'</u>	<u> </u>	<u> </u>	<u> </u>
<u>2.00° @ 15,654'</u>	<u> </u>	<u> </u>	<u> </u>
<u>1.50° @ 16,050'</u>	<u> </u>	<u> </u>	<u> </u>
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Drilling Contractor TMBR/Sharp Drilling, Inc.

By Jeff Phillips
Jeff Phillips, Engineering Manager
 day of June, 19 97

Subscribed and sworn to before me this 3rd



Commission expires: 9/25/99

Kathleen Roper
 Notary Public Kathleen Roper

Midland County, Texas