

WELL NAME AND NUMBER Sundance 1 Federal #4

LOCATION Section 1, T-24-S, R-31-E, Eddy Co., New Mexico

OPERATOR Pogo Producing Company, P.O. Box 10340, Midland, Texas 79702-7340

DRILLING CONTRACTOR TMBR/Sharp Drilling, Inc., P.O. Drawer 10970, Midland, Texas 79702

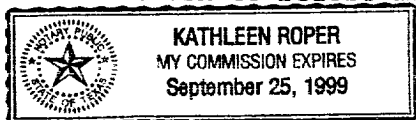
The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1.00° @ 120'</u>	<u>1.50° @ 3,771'</u>	<u> </u>	<u> </u>
<u>.50° @ 370'</u>	<u>3.25° @ 4,010'</u>	<u> </u>	<u> </u>
<u>.50° @ 583'</u>	<u>4.00° @ 4,259'</u>	<u> </u>	<u> </u>
<u>1.25° @ 845'</u>	<u>2.75° @ 4,484'</u>	<u> </u>	<u> </u>
<u>1.25° @ 968'</u>	<u>1.00° @ 4,727'</u>	<u> </u>	<u> </u>
<u>1.50° @ 1,252'</u>	<u>.75° @ 4,977'</u>	<u>CONFIDENTIAL</u>	<u> </u>
<u>.50° @ 1,498'</u>	<u>.25° @ 5,034'</u>	<u> </u>	<u> </u>
<u>1.00° @ 1,746'</u>	<u>.25° @ 5,692'</u>	<u> </u>	<u> </u>
<u>1.00° @ 1,993'</u>	<u>.50° @ 6,499'</u>	<u> </u>	<u> </u>
<u>1.00° @ 2,243'</u>	<u>.25° @ 6,995'</u>	<u> </u>	<u> </u>
<u>.50° @ 2,430'</u>	<u>.25° @ 7,493'</u>	<u> </u>	<u> </u>
<u>1.00° @ 2,769'</u>	<u>.75° @ 7,990'</u>	<u> </u>	<u> </u>
<u>1.50° @ 3,019'</u>	<u>.50° @ 8,488'</u>	<u> </u>	<u> </u>
<u>1.00° @ 3,297'</u>	<u>1.50° @ 8,570'</u>	<u> </u>	<u> </u>
<u>1.00° @ 3,547'</u>	<u> </u>	<u> </u>	<u> </u>

Drilling Contractor TMBR/Sharp Drilling, Inc.

By J. M. Phillips
Jerr Phillips, Engineering Manager

Subscribed and sworn to before me this 30th day of December, 1996



Kathleen Roper
Notary Public Kathleen Roper

Commission expires: 9/25/99

Midland County, Texas