

WELL NAME AND NUMBER Ironsides Federal #1
LOCATION Section 3, T-17-S, R-28-E, Eddy County, New Mexico
OPERATOR Chi Energy Inc., 212 N. Main, Suite 200, Midland, Texas 79701
DRILLING CONTRACTOR TMBR/Sharp Drilling, Inc., P. O. Drawer 10970, Midland, TX 79702

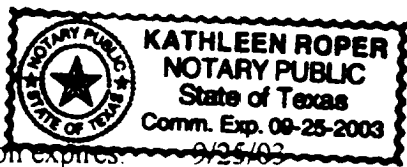
The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1.00 @ 350'</u>	<u>1.00 @ 6,326'</u>	<u> </u>	<u> </u>
<u>.50 @ 450'</u>	<u>.75 @ 6,730'</u>	<u> </u>	<u> </u>
<u>.25 @ 720'</u>	<u>1.00 @ 7,117'</u>	<u> </u>	<u> </u>
<u>.50 @ 1,020'</u>	<u>1.00 @ 7,517'</u>	<u> </u>	<u> </u>
<u>.50 @ 1,380'</u>	<u>1.00 @ 7,886'</u>	<u> </u>	<u> </u>
<u>.75 @ 1,749'</u>	<u>1.00 @ 8,294'</u>	<u> </u>	<u> </u>
<u>.75 @ 2,038'</u>	<u>1.25 @ 8,732'</u>	<u> </u>	<u> </u>
<u>.75 @ 2,854'</u>	<u>.50 @ 9,115'</u>	<u> </u>	<u> </u>
<u>.75 @ 3,309'</u>	<u>1.00 @ 9,443'</u>	<u> </u>	<u> </u>
<u>1.00 @ 3,862'</u>	<u>1.00 @ 9,940'</u>	<u> </u>	<u> </u>
<u>1.25 @ 4,340'</u>	<u>1.00 @ 9,965'</u>	<u> </u>	<u> </u>
<u>1.25 @ 4,761'</u>	<u> </u>	<u> </u>	<u> </u>
<u>1.25 @ 5,147'</u>	<u> </u>	<u> </u>	<u> </u>
<u>1.00 @ 5,543'</u>	<u> </u>	<u> </u>	<u> </u>
<u>.75 @ 5,929'</u>	<u> </u>	<u> </u>	<u> </u>

Drilling Contractor TMBR/Sharp Drilling, Inc.

By Jeffrey D. Phillips
Jeffrey D. Phillips, Vice President

Subscribed and sworn to before me this 12th day of July 2000



Kathleen Roper
Notary Public Kathleen Roper

Commission Expires 9/25/03 Midland County, Texas