

WELL NAME AND NUMBER Cocinita Federal 8-13

LOCATION Section 8, T-24-S, R-29-E, Eddy County, New Mexico

OPERATOR Louis Dreyfus Natural Gas Corp., 14000 Quail Spring Pkwy., Suite 600, Oklahoma City, OK 73134

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>.75° @ 290'</u>	<u>4.50° @ 2,205'</u>	<u>1.50° @ 2,850'</u>	<u> </u>
<u>.25° @ 660'</u>	<u>4.50° @ 2,242'</u>	<u>2.00° @ 3,187'</u>	<u> </u>
<u>.50° @ 890'</u>	<u>4.50° @ 2,267'</u>	<u>2.00° @ 3,279'</u>	<u> </u>
<u>.75° @ 1,199'</u>	<u>4.25° @ 2,298'</u>	<u>1.50° @ 3,372'</u>	<u> </u>
<u>.75° @ 1,505'</u>	<u>4.50° @ 2,330'</u>	<u>1.25° @ 3,526'</u>	<u> </u>
<u>2.75° @ 1,821'</u>	<u>4.25° @ 2,357'</u>	<u>.75° @ 3,785'</u>	<u> </u>
<u>3.75° @ 1,910'</u>	<u>3.75° @ 2,391'</u>	<u>.75° @ 4,018'</u>	<u> </u>
<u>4.50° @ 1,957'</u>	<u>3.50° @ 2,421'</u>	<u>.75° @ 4,359'</u>	<u> </u>
<u>4.50° @ 1,998'</u>	<u>3.50° @ 2,452'</u>	<u>.50° @ 4,644'</u>	<u> </u>
<u>4.75° @ 2,032'</u>	<u>4.25° @ 2,545'</u>	<u>.75° @ 5,135'</u>	<u> </u>
<u>5.25° @ 2,059'</u>	<u>4.00° @ 2,576'</u>	<u>1.00° @ 5,630'</u>	<u> </u>
<u>5.25° @ 2,077'</u>	<u>3.75° @ 2,635'</u>	<u>.50° @ 6,126'</u>	<u> </u>
<u>4.50° @ 2,112'</u>	<u>3.25° @ 2,668'</u>	<u>.50° @ 6,610'</u>	<u> </u>
<u>4.75° @ 2,143'</u>	<u>2.50° @ 2,730'</u>	<u> </u>	<u> </u>
<u>4.75° @ 2,174'</u>	<u>2.50° @ 2,792'</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 24th day of October, 19 96



Kathleen Roper

Notary Public Kathleen Roper

Commission expires: 9/25/99

Midland County, Texas