

WELL NAME AND NUMBER PACHECO FEDERAL No. 1
LOCATION SECTION 31, T-19-S, R-28-E, EDDY COUNTY, NEW MEXICO
(Give Unit, Section, Township and Range)
OPERATOR GULF ENERGY & MINERALS Co., U.S.
DRILLING CONTRACTOR SHARP DRILLING Co., 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:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
<u>1/2 258</u>	<u>1 6467</u>	<u> </u>
<u>3/4 430</u>	<u>2 1/2 6900</u>	<u> </u>
<u>1 1/4 865</u>	<u>2 1/4 7133</u>	<u> </u>
<u>1 1/4 1100</u>	<u>2 7604</u>	<u> </u>
<u>3/4 1399</u>	<u>1 1/2 8070</u>	<u> </u>
<u>3/4 1808</u>	<u>2 8235</u>	<u> </u>
<u>1 2300</u>	<u>1 3/4 8700</u>	<u> </u>
<u>3/4 2900</u>	<u>2 9200</u>	<u> </u>
<u>2 1/4 3400</u>	<u>2 1/4 9470</u>	<u> </u>
<u>2 3530</u>	<u>3 10400</u>	<u> </u>
<u>1 1/2 3990</u>	<u>3 1/4 10695</u>	<u> </u>
<u>1 1/4 4476</u>	<u>3 1/4 11090</u>	<u> </u>
<u>1 5150</u>	<u> </u>	<u> </u>
<u>3/4 5514</u>	<u> </u>	<u> </u>
<u>3/4 5977</u>	<u> </u>	<u> </u>

RECEIVED

DEC 29 1977

Drilling Contractor SHARP DRILLING Co., Inc.

By: R.E. Cross Jr.
R.E. CROSS JR.

Subscribed and sworn to before me this 15TH day of NOVEMBER, 1977
ARTESIA, OFFICE

Pat Buchanan
Notary Public

My Commission Expires: JUNE 30, 1978

MIDLAND County TEXAS