

WELL NAME AND NUMBER H. J. Mattern (NCT-A) No. 4

LOCATION 660' FSL & 1650' FEL of Section 24, T-21-S, R-36-E Lea County, NM
(Give Unit, Section, Township and Range)

OPERATOR Gulf Energy & Minerals Company - U.S.

DRILLING CONTRACTOR M-G-F Drilling Company, 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>1/4 499</u>	<u>3 4560</u>	<u></u>
<u>1/2 950</u>	<u>2 3/4 4777</u>	<u></u>
<u>3/4 1260</u>	<u>2 5063</u>	<u></u>
<u>1/2 1527</u>	<u>3 5180</u>	<u></u>
<u>1/2 1795</u>	<u>2 1/4 5256</u>	<u></u>
<u>3/4 2200</u>	<u>1 3/4 5703</u>	<u></u>
<u>1 1/2 2450</u>	<u>1 3/4 6200</u>	<u></u>
<u>1 3/4 2550</u>	<u>2 3/4 6440</u>	<u></u>
<u>1 3/4 2675</u>	<u>3 1/4 6800 TD</u>	<u></u>
<u>1 1/2 2805</u>	<u></u>	<u></u>
<u>1 3/4 3010</u>	<u></u>	<u></u>
<u>1 3/4 3200</u>	<u></u>	<u></u>
<u>1 1/2 3485</u>	<u></u>	<u></u>
<u>1 3/4 3900</u>	<u></u>	<u></u>
<u>2 3/4 4375</u>	<u></u>	<u></u>

Drilling Contractor M-G-F Drilling Company, Inc.

By: J. P. [Signature]

Subscribed and sworn to before me this 18 day of October, 1977

[Signature]
Notary Public

My Commission Expires: August 31, 1978

Midland County Texas