

WELL NAME AND NUMBER Federal-Hanagan "D" #4

LOCATION: 1980' FN & EL, Section 11, T-24-S, R-32-E, Lea County, New Mexico 55

OPERATOR: Gulf Oil Corporation

DRILLING CONTRACTOR: Johnn Drilling Company

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

1 @ 356'
1 @ 700'
1-1/4 @ 766'
1-1/4 @ 1150'
2 @ 1230'
1 @ 1800'
3/4 @ 1884'
1-1/2 @ 2249'
1-3/4 @ 2340'
2 @ 2893'

DEGREES @ DEPTH

1-1/4 @ 3430'
1-1/2 @ 3820'
3-3/4 @ 4510'
3-1/2 @ 4681'
4-1/4 @ 4826'
4 @ 4970'

Drilling Contractor: _____

By: _____

Secretary-Treasurer

Subscribed and sworn to before me this 1st day of November, 1962.

Wanda Hicka Wanda Hicka
Notary Public

My Commission Expires:
June 1, 1963

Ector County, Texas