

WELL NAME AND NUMBER: Wigwam #1

LOCATION: SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 31, T-21-S, R-23-E, Eddy County, New Mexico

OPERATOR: Hanagan Petroleum Corporation

DRILLING CONTRACTOR: Moranco

The undersigned hereby certifies that he is an authorized representative of Hanagan Petroleum Corporation, operator of the above described well, and that the following deviation tests were taken:

Degrees @ Depth

1/4	150
1/2	600
1	1095
1	1400
1	1950
1/4	2480
1/2	2962
1	3460
2	3960
2	4127
2	4626

Degrees @ Depth

2	5118
3-3/4	5599
3	6092
3	6590
2-1/4	7090
1-1/2	7395
1-1/2	7865
1-1/4	8365
1	8560
1-1/4	9105
1-1/8	9400

HANAGAN PETROLEUM CORPORATION

By: Hugh E. Hanagan
Vice President

Subscribed and sworn to before me this 30th day of May, 1973.

My Commission Expires:

July 3, 1973

Oliver L. Bliss
Notary Public
State of New Mexico

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MAY 31 1973
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO