

WELL NAME AND NUMBER Federal 21-1 202

LOCATION Section 21, T18S, R32E, Lea County, New Mexico
(New Mexico give U.S.T&R: Texas give S, BLK, SURV. and TWP)

OPERATOR Cavalcade Oil Corporation

DRILLING CONTRACTOR MORANCO Drilling, 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 and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>
<u>1/4 210</u>	<u>1 1/4 5838</u>	<u> </u>	<u> </u>
<u>3/4 736</u>	<u>1/4 5994</u>	<u> </u>	<u> </u>
<u>1/4 1204</u>	<u>1 6274</u>	<u> </u>	<u> </u>
<u>1/2 1639</u>	<u>1 6618</u>	<u> </u>	<u> </u>
<u>1 3/4 2138</u>	<u>3/4 7303</u>	<u> </u>	<u> </u>
<u>1 1/2 2809</u>	<u>2 1/4 7832</u>	<u> </u>	<u> </u>
<u>3/4 3482</u>	<u>2 8369</u>	<u> </u>	<u> </u>
<u>1 3792</u>	<u>3 8952</u>	<u> </u>	<u> </u>
<u>1 4175</u>	<u>1 3/4 9454</u>	<u> </u>	<u> </u>
<u>1/4 4721</u>	<u>1/2 9983</u>	<u> </u>	<u> </u>
<u>1/2 5123</u>	<u>1 10,980</u>	<u> </u>	<u> </u>
<u>1/2 5497</u>	<u> </u>	<u> </u>	<u> </u>

Drilling Contractor MORANCO Drilling, Inc.

By Wiley Gilmore
Wiley Gilmore - Marketing Manager

Subscribed and sworn to before me this 6th day of November 1984

My Commission expires:

March 14, 1988

Tina J. McDonald
Notary Public Tina J. McDonald
Lea County, New Mexico