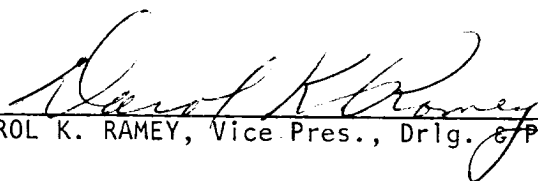


CERTIFICATION OF DEVIATION SURVEY

OPERATOR - Hilliard Oil & Gas, Inc.
WELL - GULF-FEDERAL COM. #1
FIELD - Undesignated - Morrow
LOCATION - Unit F, Sec. 35, T-19-S, R-25-E
COUNTY - Eddy County, New Mexico

I certify that the following is a true list of deviation surveys taken in the well bore of the subject well while drilling the well. Surveys were taken with a single shot instrument run inside of the drill pipe.

<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
135'	0 deg.	5380'	1½ deg.
315'	¼ deg.	5880'	1¼ deg.
790'	0 deg.	6293'	¾ deg.
1245'	1 deg.	6792'	¾ deg.
1735'	1½ deg.	7332'	¾ deg.
2530'	¾ deg.	7802'	¾ deg.
2705'	¾ deg.	8307'	2 deg.
3050'	¾ deg.	8779'	1 deg.
3550'	1 deg.	9100'	¾ deg.
4095'	1 deg.	9467'	¼ deg.
4590'	1 deg.	9835'	¾ deg.
5092'	2 deg.		

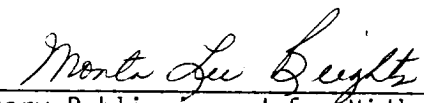

DAROL K. RAMEY, Vice Pres., Drilg. & Prod.

THE STATE OF TEXAS X
 X
COUNTY OF MIDLAND X

BEFORE ME, the undersigned authority, on this day personally appeared DAROL K. RAMEY, known to me to be the person whose name is subscribed to the above certification, who being by me duly sworn on oath states that he has knowledge of the facts stated therein and that said certification is true and correct.

SUBSCRIBED AND SWORN to before me, this 18th day of August, 1976.

S E A L


Notary Public in and for Midland County, Texas

RECEIVED

AUG 19 1976

O. C. C.
ARTESIA, OFFICE