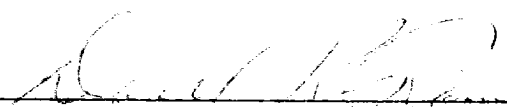


C E R T I F I C A T I O N O F D E V I A T I O N S U R V E Y S

OPERATOR- Hilliard Oil & Gas, Inc.
WELL- Mc Elvain-Federal # 2
FIELD- EK Bone Springs
LOCATION- Unit B, Sec. 31, T-18-S, R-34-E
COUNTY- Lea 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>	<u>DEPTH</u>	<u>DEVIATION</u>
350'	1/2 deg	3421'	1 1/2 deg	5298'	2 1/4 deg
850'	1/2 deg	3648'	1 3/4 deg	5428'	2 deg
1059'	1/2 deg	3783'	1 1/2 deg	5616'	2 deg
1142'	1 3/4 deg	4060'	2 1/4 deg	5870'	2 deg
1297'	1 1/4 deg	4165'	1 3/4 deg	6120'	2 deg
1489'	1 1/2 deg	4229'	1 3/4 deg	6376'	2 deg
1560'	1 1/2 deg	4291'	2 deg	6661'	2 deg
1687'	1 1/2 deg	4353'	1 3/4 deg	6976'	2 deg
1808'	3/4 deg	4417'	1 3/4 deg	7210'	1 1/2 deg
2127'	3/4 deg	4471'	1 3/4 deg	7411'	1 1/2 deg
2412'	1 deg	4545'	1 3/4 deg	7663'	1 1/2 deg
2628'	1 1/2 deg	4671'	1 3/4 deg	7916'	1 deg
2697'	2 deg	4766'	1 3/4 deg	8265'	1 deg
2792'	2 deg	4866'	2 1/4 deg	9352'	1 1/2 deg
3036'	1 3/4 deg	4956'	2 1/4 deg	10398'	1 1/2 deg
3182'	1 3/4 deg	5080'	1 3/4 deg	10500'	1 1/2 deg



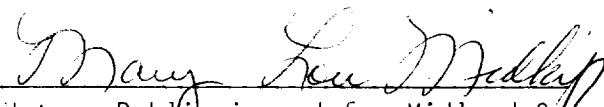
DAROL K. RAMEY- V. Pres., Drlg. & Prod.

THE STATE OF TEXAS
COUNTY OF Midland

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 28 day of April, 1976

(seal)



Notary Public in and for Midland County, Tex.