

HILLIARD OIL & GAS, INC.

McELVAIN-FEDERAL # 2
Sec 31, T-18-S, R-34-E
Lea County, New Mexico

CASING PROGRAM

Surface Casing-----Set @ 350'+
350' - 13 $\frac{3}{8}$ ", 48#, H-40, ST&C

Intermediate Casing--Set @ 3200'+
2550' - 8 $\frac{5}{8}$ ", 24#, K-55, ST&C
450' - 8 $\frac{5}{8}$ ", 32#, K-55, ST&C

Production Casing----Set @ 10,500'+
1500' - 4 $\frac{1}{2}$ ", 11.60#, N-80, LT&C
5700' - 4 $\frac{1}{2}$ ", 11.60#, K-55, LT&C
3300' - 4 $\frac{1}{2}$ ", 11.60#, N-80, LT&C

MUD PROGRAM

<u>Interval</u>	<u>Type System</u>	<u>Weight</u>	<u>Vis</u>	<u>WL</u>
0- 350'	Gel-Lime	Sufficient	to clean	hole
350-3200'	Potash Mine Brine	10.2#	30	N/C
3200-8000'	Fresh Water	8.4#	28	N/C
8000-10,500'	Low Solids	9.0-9.2#	35-38	10cc+ <u> </u>

RECEIVED

1975

U.S. AIR FORCE
1975