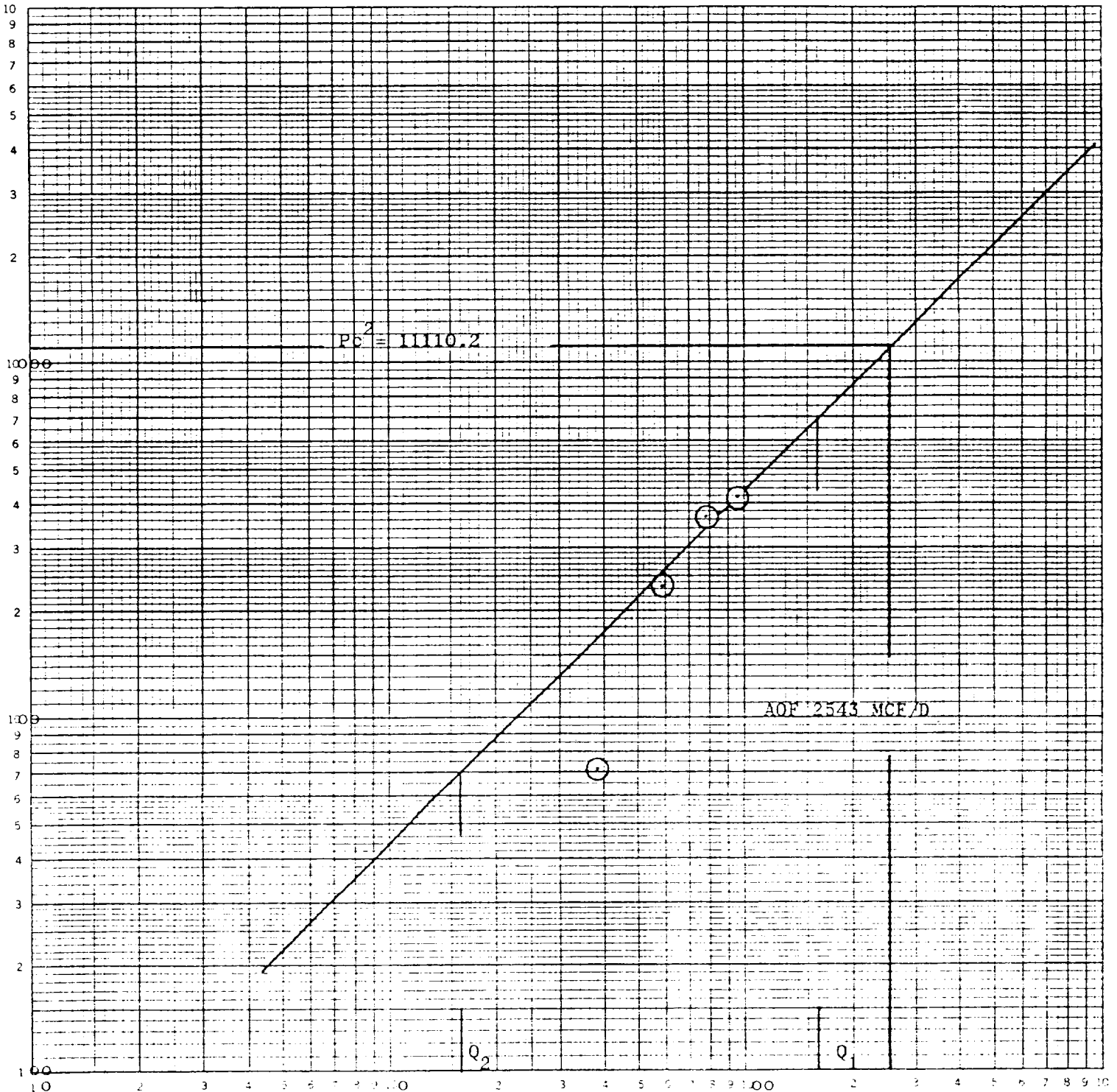


COMPANY: Liberty Oil & Gas Corporation
 WELL: Doris Federal, No. 1
 LOCATION: 26 20s 28e
 COUNTY: Eddy
 DATE: October 5, 1983

46 7403

LOGARITHMIC 3 X 3 CYCLES
 KEUFFEL & ESSER CO. MADE IN U.S.A.



$$\begin{aligned}
 Q_1 \text{ Log } 1600 &= 3.204120 \\
 -Q_2 \text{ Log } 160 &= 2.204120 \\
 N &= 1.000 \\
 \theta &= 45^\circ
 \end{aligned}$$