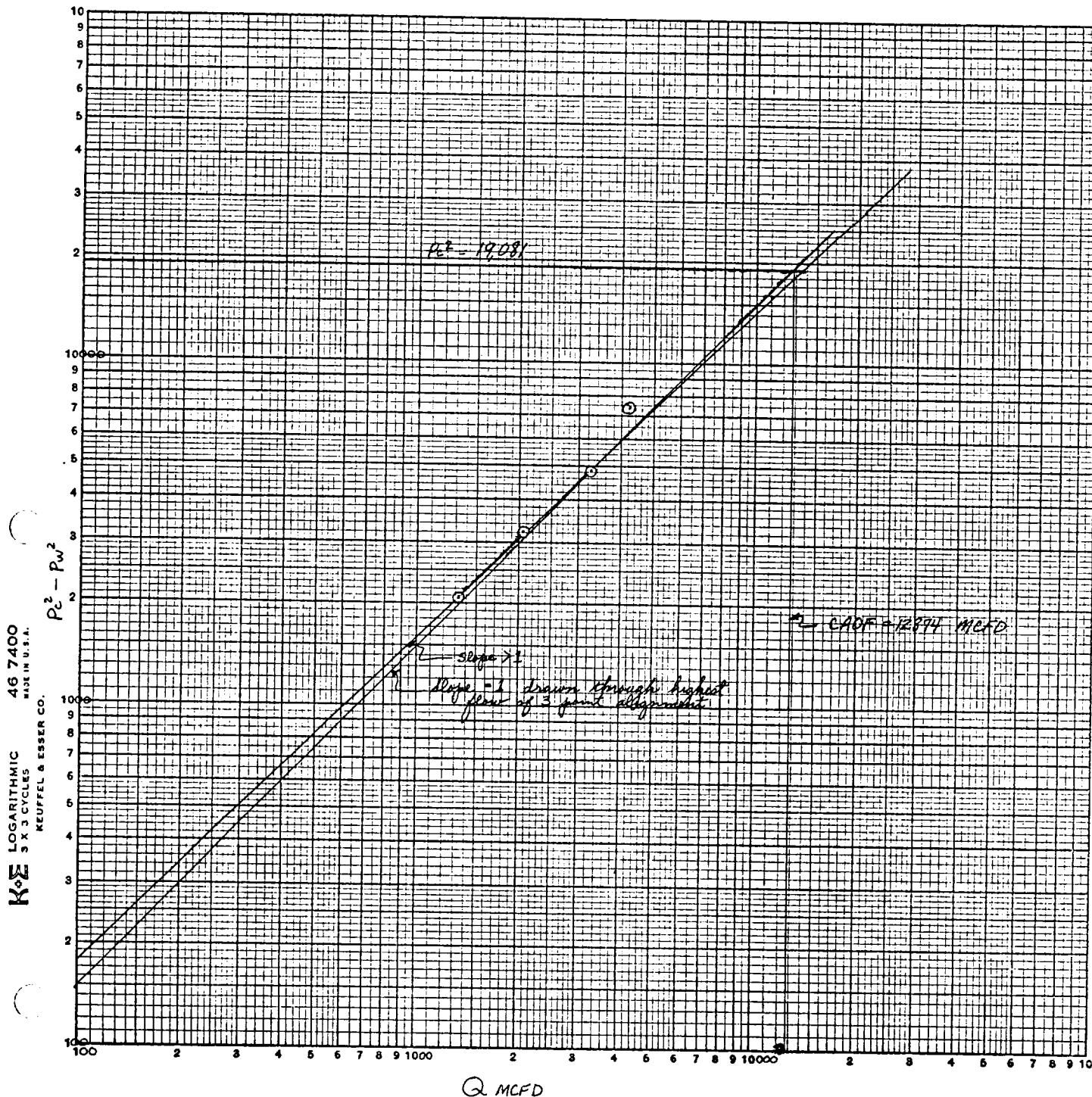


EMPIRE SOUTH DEEP UNIT NO. 5
SOUTH EMPIRE MORROW
UNIT J, SEC 31, T-17-S, R-29-E
EDDY COUNTY, NEW MEXICO



$$\begin{aligned} AT (P_c^2 - P_w^2)_2 &= 6000 & Q_2 &= 4000 \\ AT (P_c^2 - P_w^2)_1 &= 1600 & Q_1 &= 1000 \\ \log (P_c^2 - P_w^2)_2 &= 3.778 & \log Q_2 &= 3.602 \\ \log (P_c^2 - P_w^2)_1 &= 3.204 & \log Q_1 &= 3.000 \\ \Delta Y &= .574 & \Delta X &= .602 \end{aligned}$$

$$\begin{aligned} N &= \frac{\Delta Y}{\Delta X} = \frac{.574}{.602} = .953 \\ n &= \frac{1}{N} = 1.049 \quad \text{Since } n > 1, \text{ assume } n=1 \end{aligned}$$