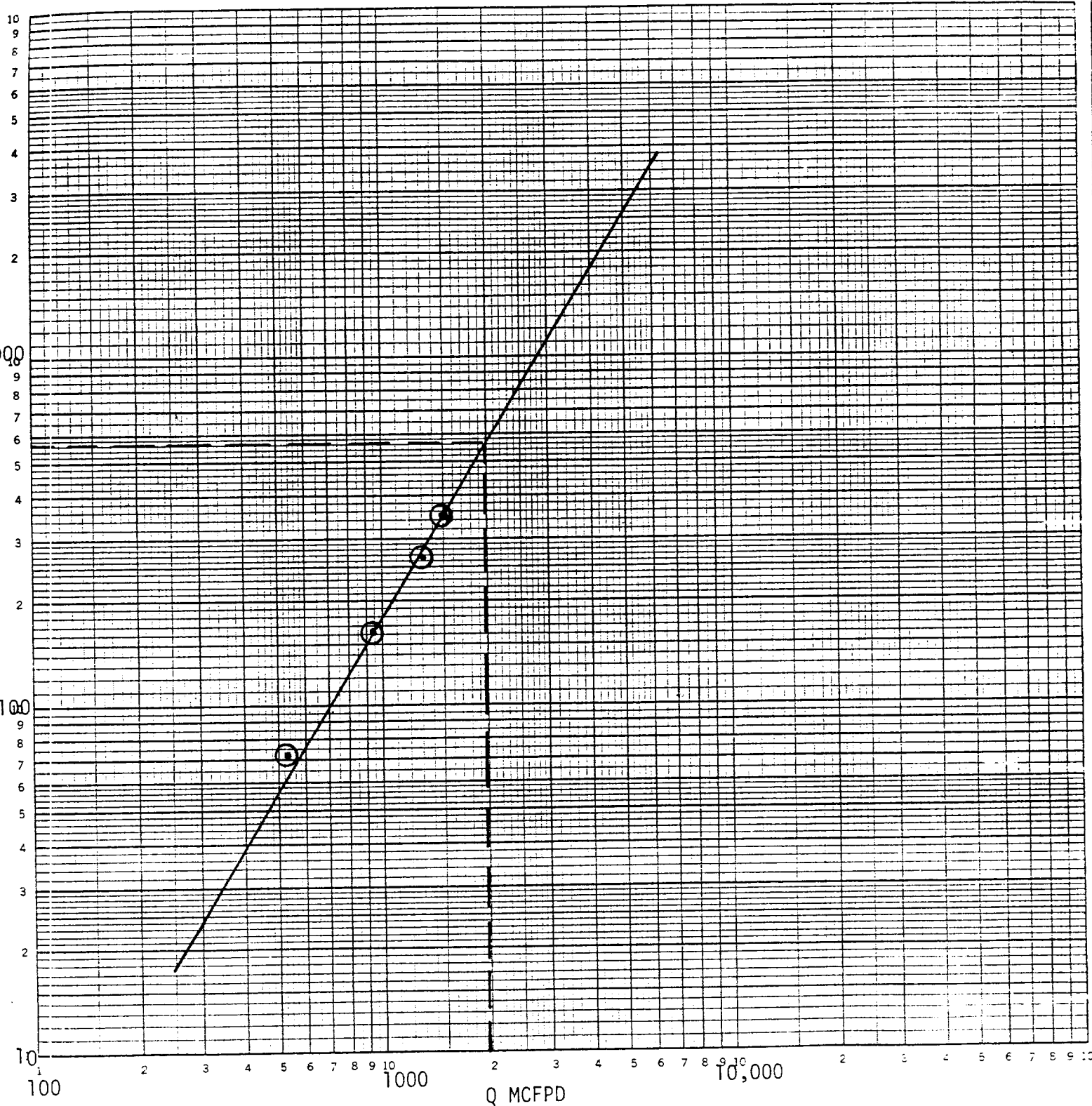


MESA PETROLEUM CO.
HOBBS FEDERAL NO. 1
SEC 8, T6S, R25E
CHAVES COUNTY, NEW MEXICO
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LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.



$$n = 1/\text{SLOPE} = \frac{\text{Log } Q_2 - \text{Log } Q_1}{\text{Cycle}} = \frac{\text{Log } 2800 - \text{Log } 600}{3.45 - 2.78} = .67$$

$$\theta = 56.2^\circ$$