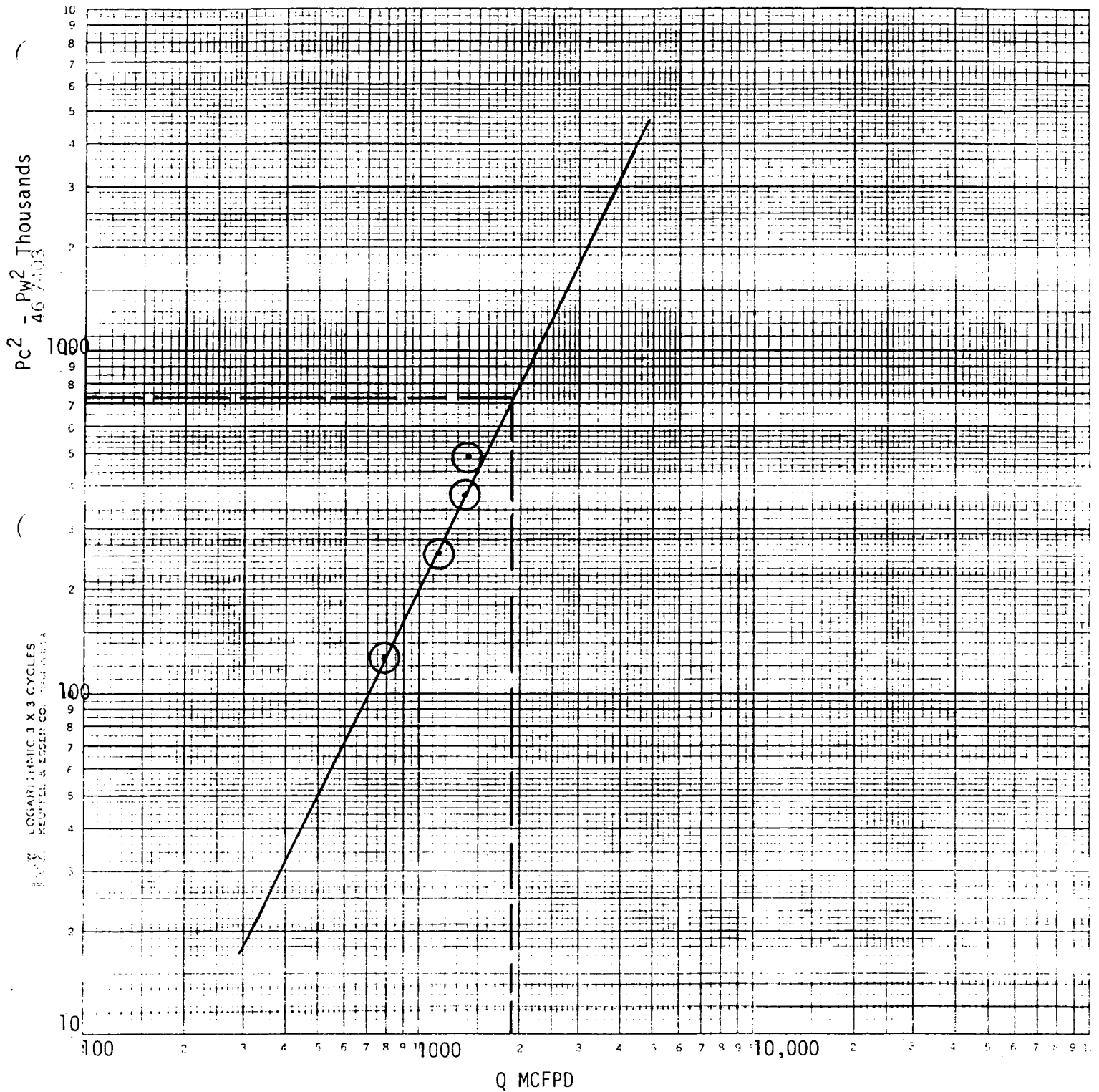


Mesa Petroleum Co.
 Lodewick Federal Com #1
 Chaves Co., NM
 2-27-82



$$N = 1/\text{slope} = \frac{\text{Log } Q_2 - \text{Log } Q_1}{\text{Cycle}} = \frac{\text{Log } 2250 - \text{Log } 700}{\text{Cycle}} = \frac{3.35 - 2.85}{\text{Cycle}} = .5$$

$$\theta = 63.5^\circ$$