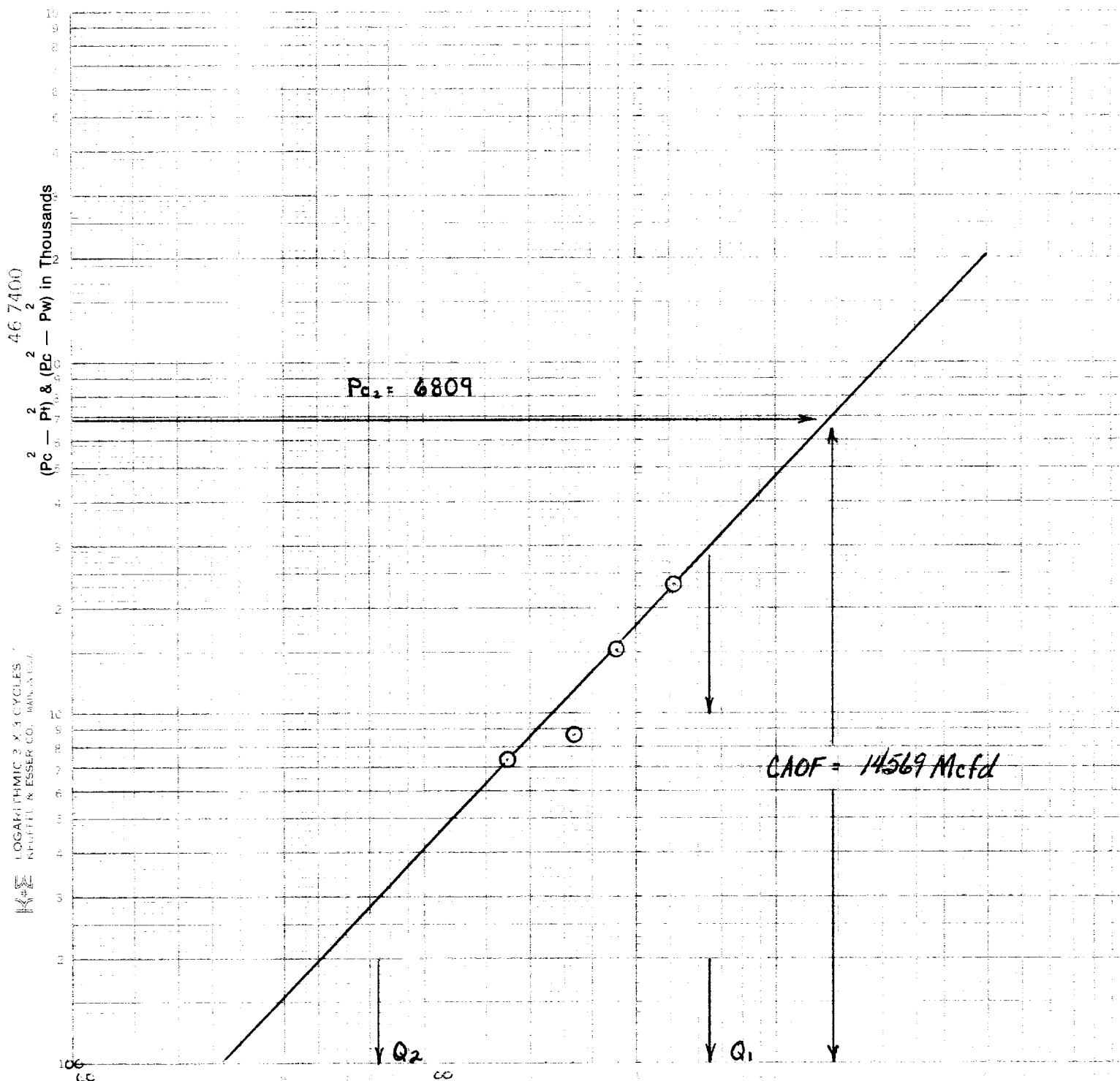


BENNETT & CATHEY PRODUCTION TESTING BACK PRESSURE CURVE

Operator Mesa Lease Mesa State Com Well No. 3
 County Chaves Field Diamond Mound Location L 31 155 29E
 Date of Test 10-11-85 Slope "n" 0.957 Angle of Slope 46.25
 Calc. Abs. Potential 14569 MCF/D



$$\frac{\Delta P_1^2}{\Delta P_2^2} = \frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} = \frac{3000}{300}$$

$$Q_1 = \underline{6748}$$

$$Q_2 = \underline{745}$$

Q in MCF/Day

$$\text{LOG } Q_1 = \underline{3.8292}$$

$$\text{LOG } Q_2 = \underline{2.8722}$$

$$n = \underline{0.957}$$