

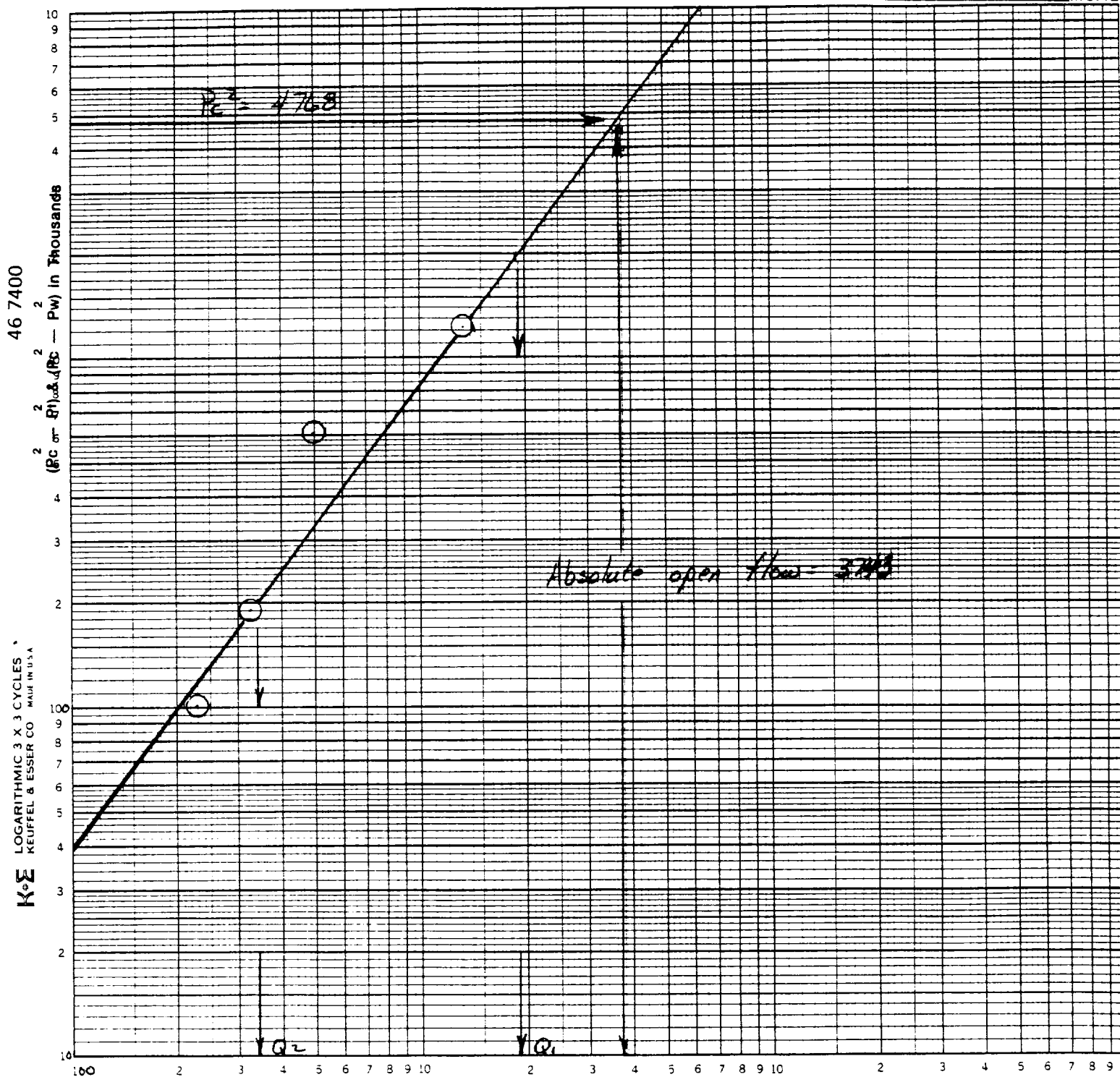
BENNETT & CATHEY PRODUCTION TESTING BACK PRESSURE CURVE

Operator Southland Royalty Lease Citgo Fed 5 Perm Well No. 1
 County Eddy Field Windchester Location S 20S 28E
 Date of Test 1-22-85 Slope "n" .767 Angle of Slope 52.5

Calc. Abs. Potential

3743

MCF/D



$$\frac{\Delta P_1^2}{\Delta P_2^2} = \frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} = \frac{2000}{200}$$

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$$Q_1 = 1991$$

$$Q_2 = 340$$

Q in MCF/Day

$$\text{LOG } Q_1 = 3.299$$

$$\text{LOG } Q_2 = 2.532$$

$$n = 0.767$$