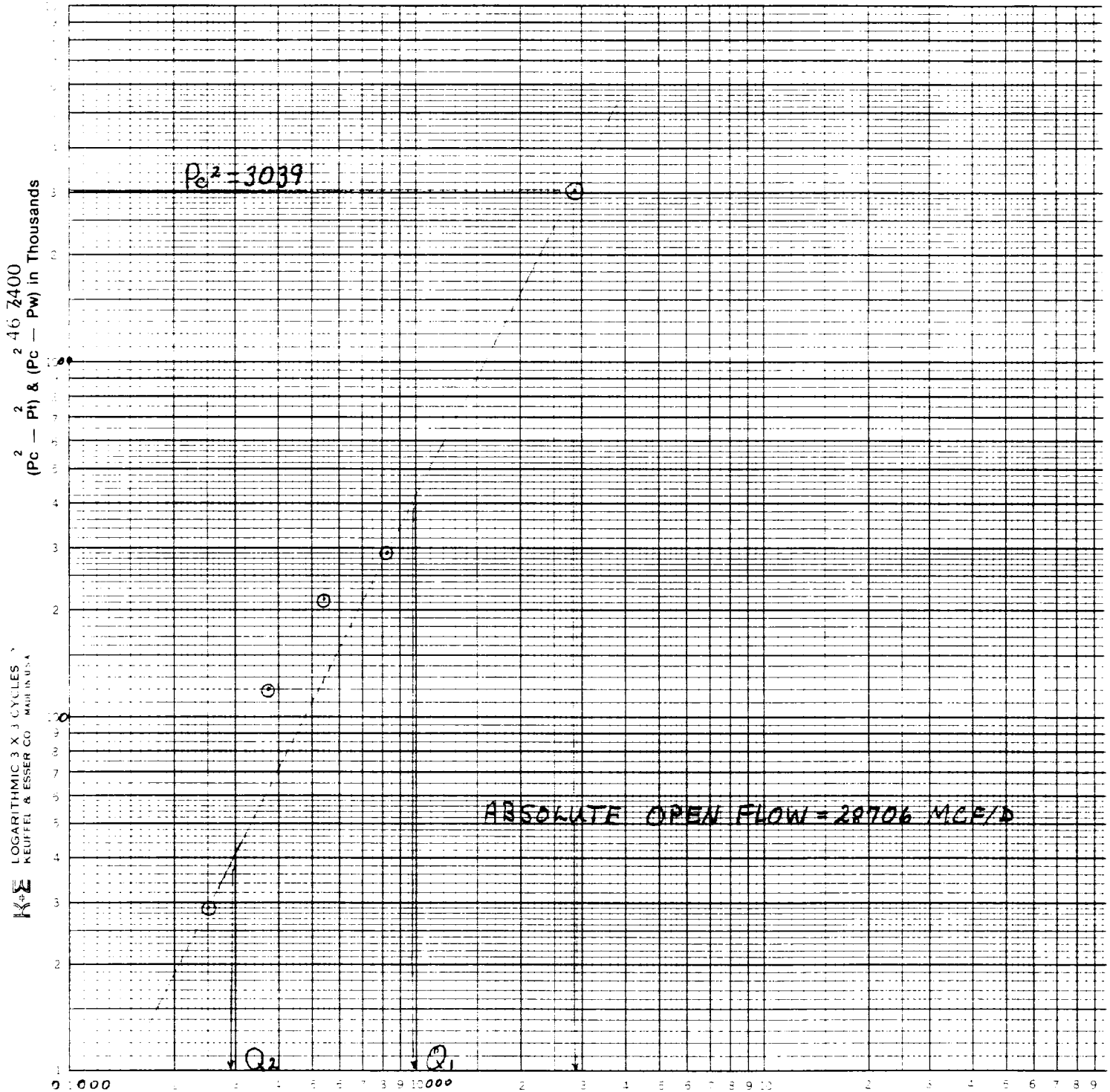


BENNETT & CATHEY PRODUCTION TESTING BACK PRESSURE CURVE

Operator Union Texas Petroleum Lease Shelby Federal Well No. 3
 County Eddy Field _____ Location _____
 Date of Test 11-19-88 Slope "n" 0.526 Angle of Slope 62.2

Calc. Abs. Potential 28706 MCF/D



$$\overline{\Delta P}_1^2 \quad P_c^2 - P_w^2 = 400$$

$$\overline{\Delta P}_2^2 \quad P_c^2 - P_w^2 = 40$$

$$Q_1 = 9862$$

$$Q_2 = 2940$$

Q, Mcfd

$$\text{LOG } Q_1 = 3.994$$

$$\text{LOG } Q_2 = 3.468$$

$$n = 0.526$$