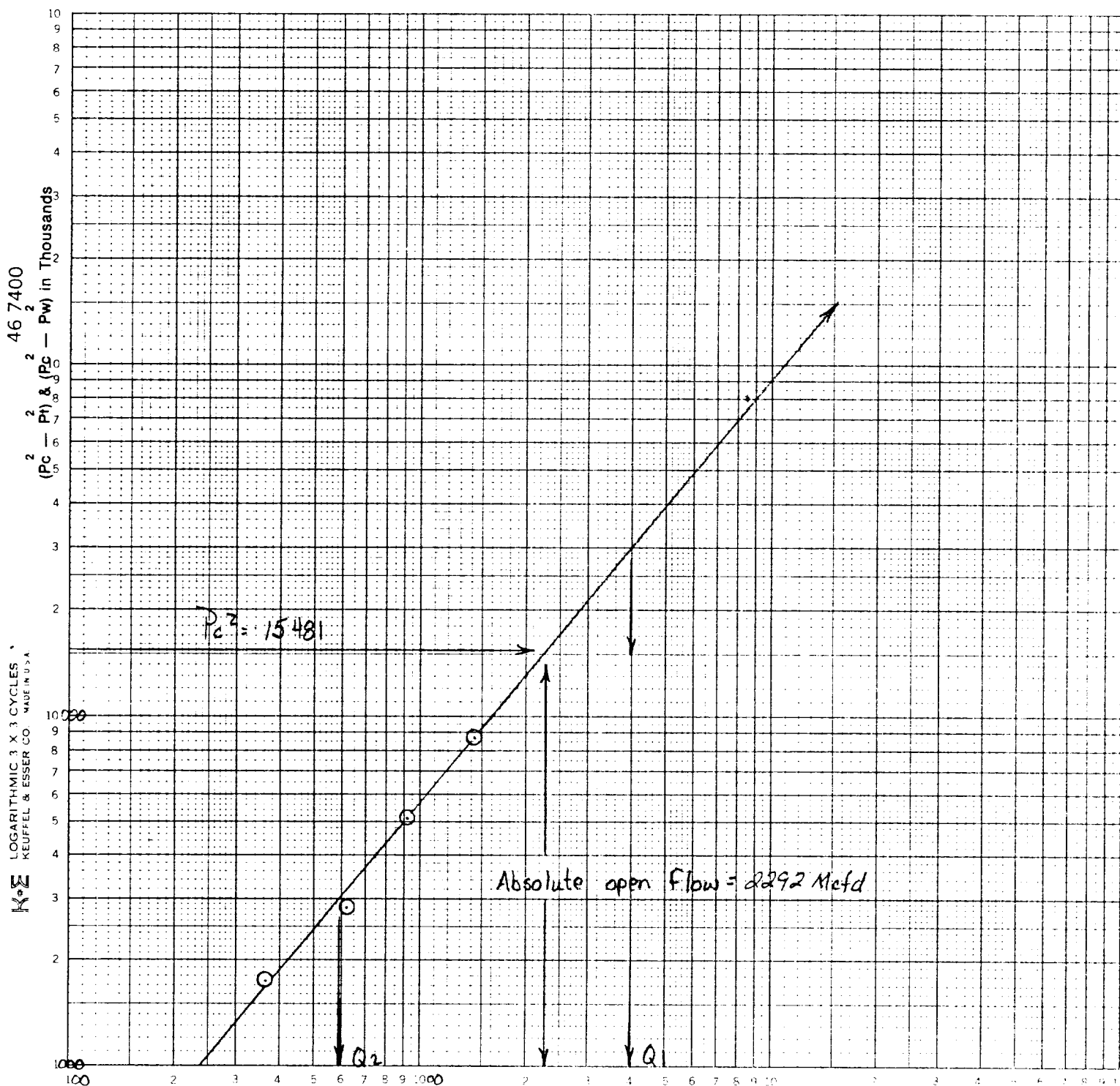


BENNETT & CATHEY PRODUCTION TESTING BACK PRESSURE CURVE

Operator Santa Fe Lease Ferguson Well No. 1
 County Eddy Field South Garfield Location J 23 22S 27E
 Date of Test 8-26-85 Slope "n" 0.826 Angle of Slope 50.4

Calc. Abs. Potential 2292 MCF/D



$$\overline{\Delta P}_1^2 \quad P_c^2 - P_w^2 = \underline{30000}$$

$$\overline{\Delta P}_2^2 \quad P_c^2 - P_w^2 = \underline{3000}$$

$$Q_1 = \underline{4000}$$

$$Q_2 = \underline{597}$$

Q in MCF/Day

$$\text{LOG } Q_1 = \underline{3.6021}$$

$$\text{LOG } Q_2 = \underline{2.7760}$$

$$n = \underline{0.8261}$$