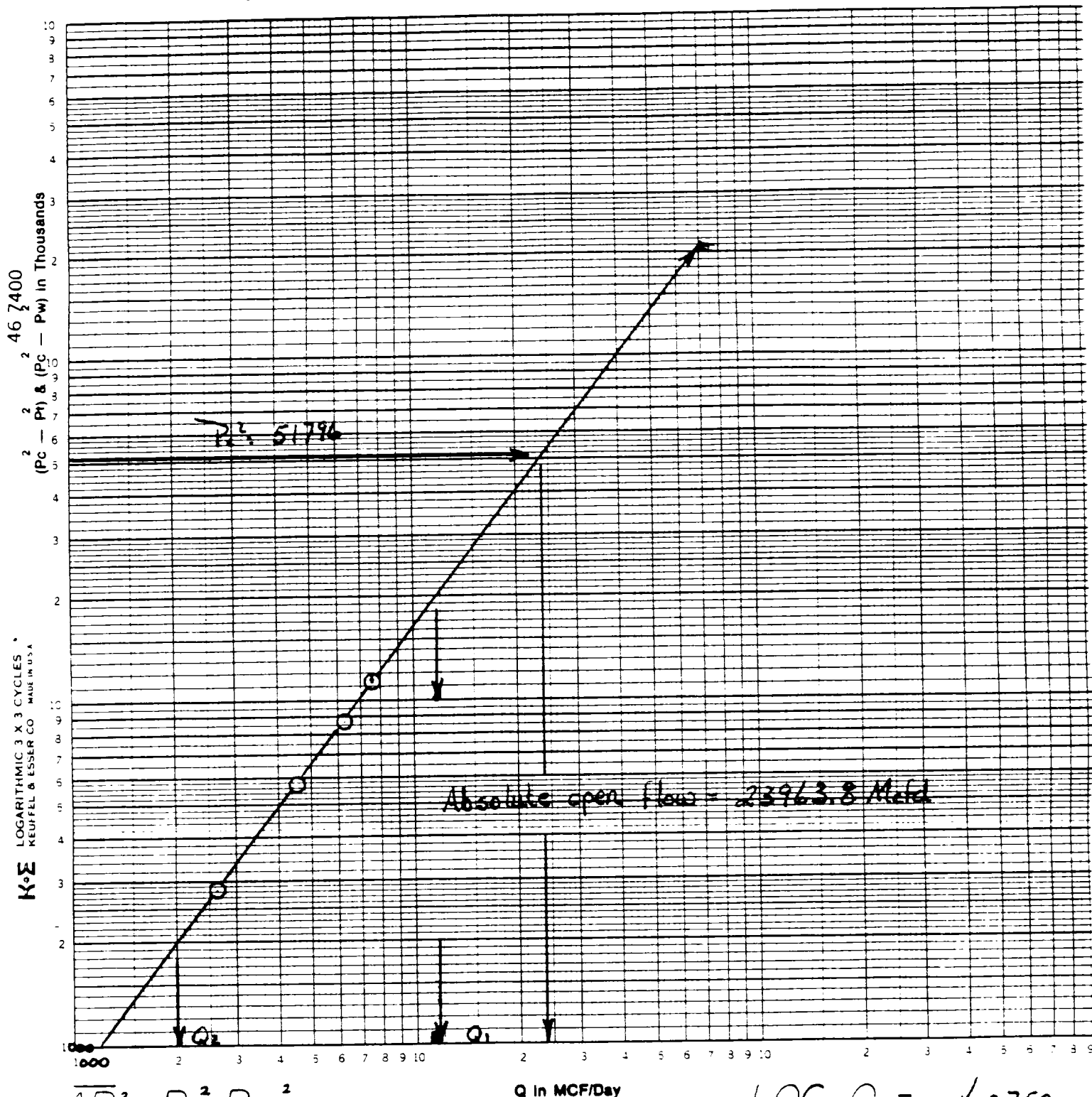


FENNETT & CATHEY PRODUCTION TESTING BACK PRESSURE CURVE

2987

Operator Southland Royalty Lease Vaca Ridge "30" Fed Well No. Com 1
 County Lea Field Pitchfork Ranch Location 30 24S 34E
 Date of Test 12-26-84 Slope "n" 0.774 Angle of Slope 52.25

Calc. Abs. Potential 23963.8 MCF/D



$$\overline{\Delta P}_1^2 \quad P_c^2 - P_w^2 = \underline{20000}$$

$$\overline{\Delta P}_2^2 \quad P_c^2 - P_w^2 = \underline{2000}$$

$$Q_1 = \underline{11886}$$

$$Q_2 = \underline{2000}$$

Q in MCF/Day

$$\text{LOG } Q_1 = \underline{4.0750}$$

$$\text{LOG } Q_2 = \underline{3.3010}$$

$$n = \underline{0.774}$$