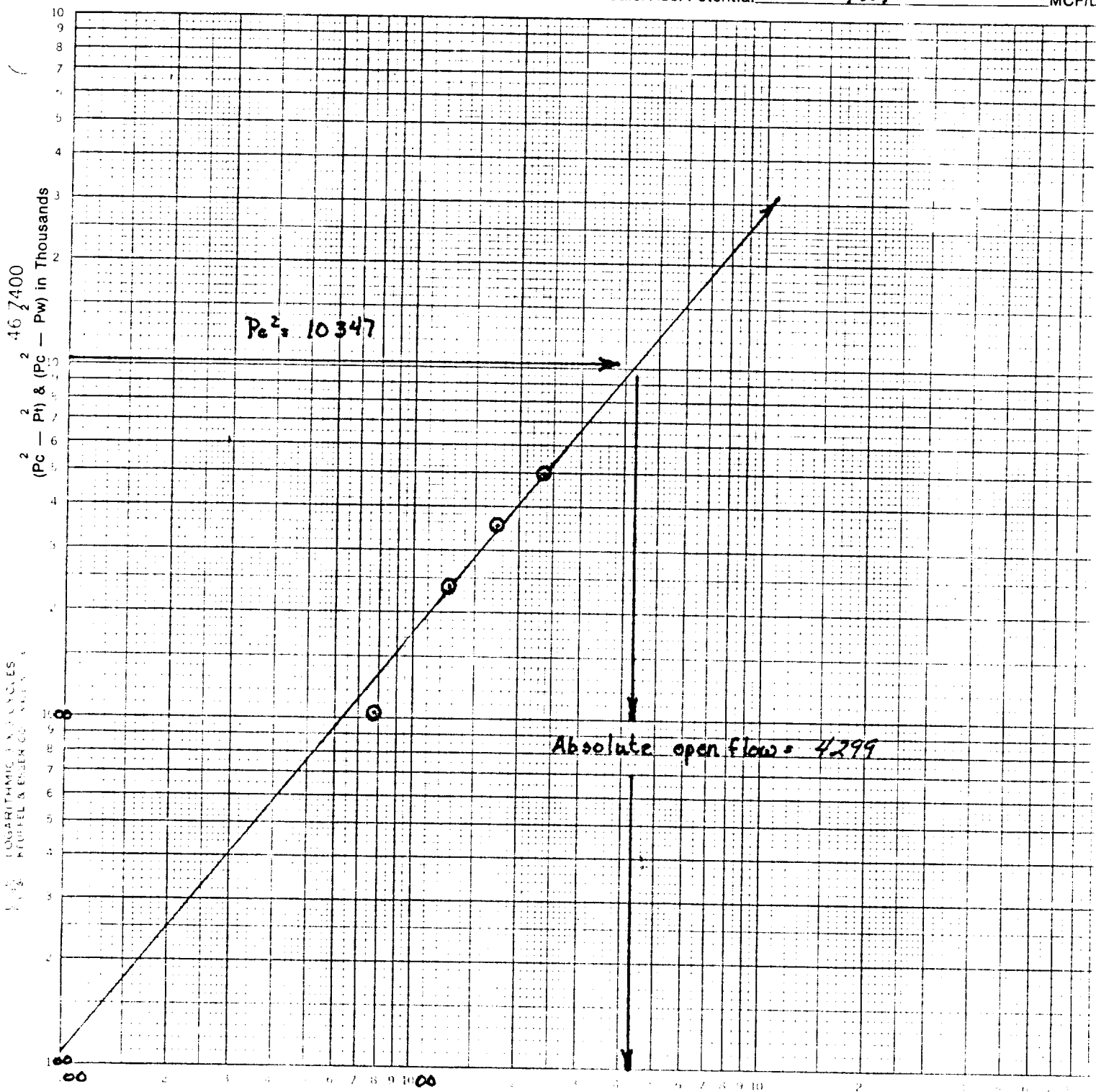


2987

BENNETT & CATHEY PRODUCTION TESTING BACK PRESSURE CURVE

Operator Southland Royalty Lease Empire St 16 Well No. 1
 County Eddy Field _____ Location 16 185 29E
 Date of Test 2-14-85 Slope "n" .832 Angle of Slope 50.25
 Calc. Abs. Potential 429' MCF/D



$$\overline{\Delta P_1^2} \quad P_c^2 - P_w^2 = \underline{2500}$$

$$\overline{\Delta P_2^2} \quad P_c^2 - P_w^2 = \underline{250}$$

$$Q_1 = \underline{1358}$$

$$Q_2 = \underline{200}$$

Q in MCF/Day

$$\text{LOG } Q_1 = \underline{3.1329}$$

$$\text{LOG } Q_2 = \underline{2.3010}$$

$$n = \underline{0.8319 = .83}$$