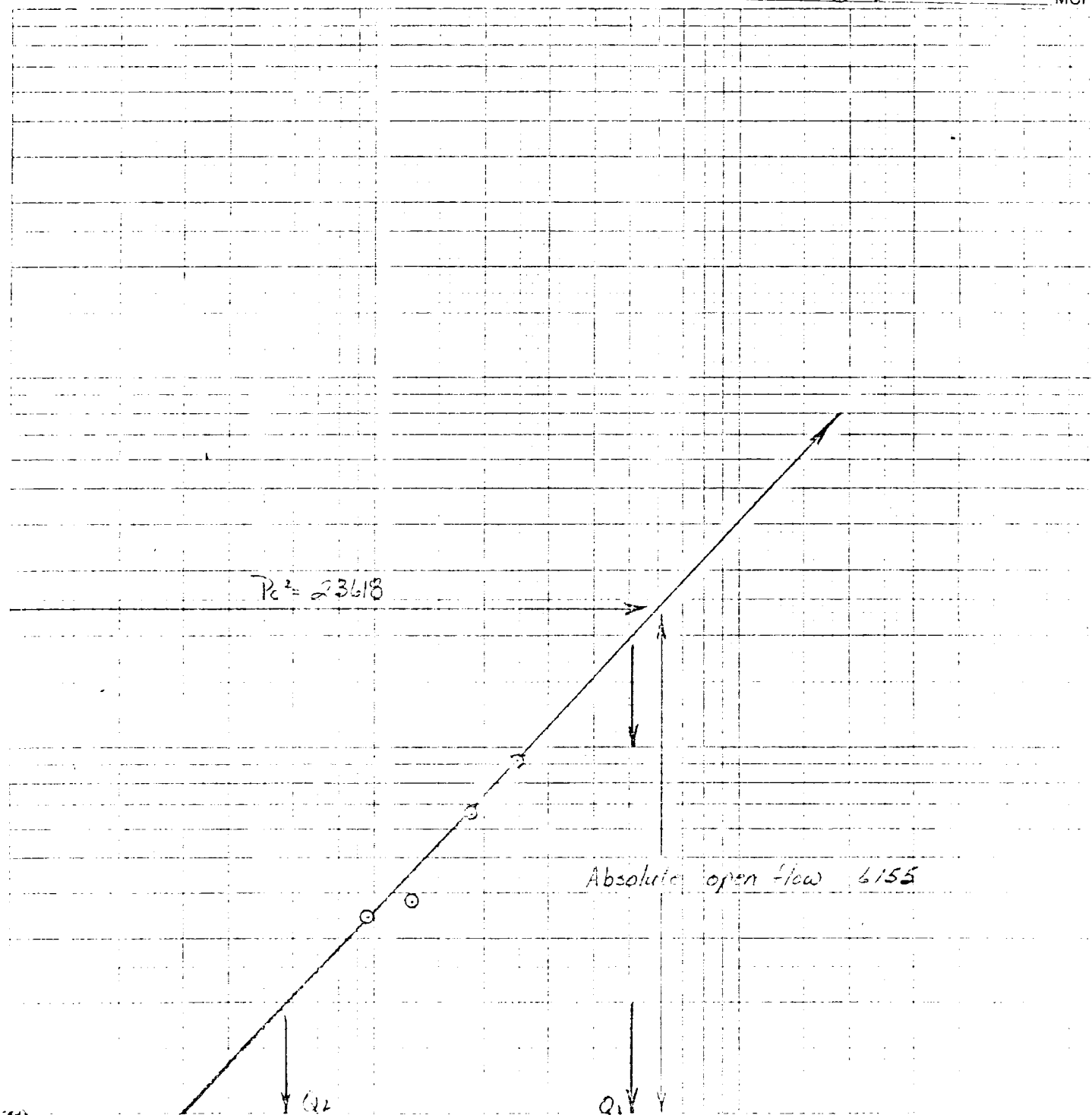


BENNETT & CATHEY PRODUCTION TESTING BACK PRESSURE CURVE

Operator Santa Fe Energy Lease Lovejoy Well No. 1
 County Eddy Field South Carlsbad Location 27 22S 27E
 Date of Test 12 14 34 Slope "n" .947 Angle of Slope 46.5

Calc. Abs. Potential 6155 MCF/

467400
 $(P_c^2 - P_i^2) \text{ \& } (P_c^2 - P_w^2) \text{ in Thousands}$



$$\frac{\Delta P_1^2}{\Delta P_2^2} \frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} = \frac{10000}{2000}$$

$$Q_1 = \underline{5148}$$

$$Q_2 = \underline{579}$$

Q In MCF/Day

$$\text{LOG } Q_1 = \underline{3.712}$$

$$\text{LOG } Q_2 = \underline{2.760}$$

$$1 = \underline{1.000}$$