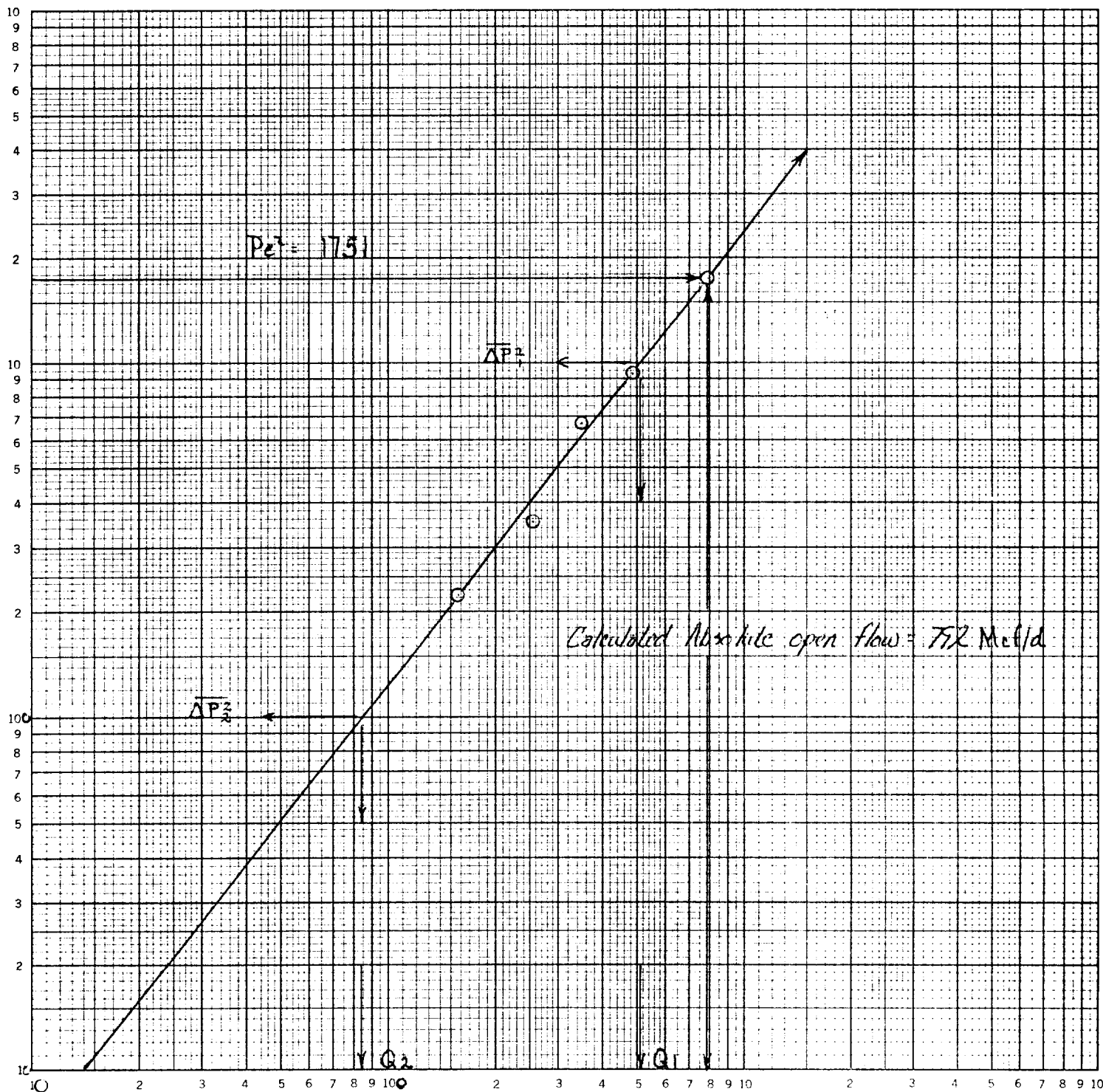


BHP Petroleum
 Lowe State &
 M 36 215 23E
 Eddy County
 New Mexico
 12-5-86

46 7400

K-E LOGARITHMIC 3 X 3 CYCLES
 KEUFFEL & ESSER CO. MADE IN U.S.A.



$$\Delta P_1^* P_e^* - P_w^* = 1000$$

$$\Delta P_2^* P_e^* - P_w = 100$$

$$Q_1 = 84.8 \text{ Mcf/d}$$

$$Q_2 = 512 \text{ Mcf/d}$$

$$\log Q_1 = 2.70739$$

$$\log Q_2 = 1.92839$$

$$n = 0.78100$$