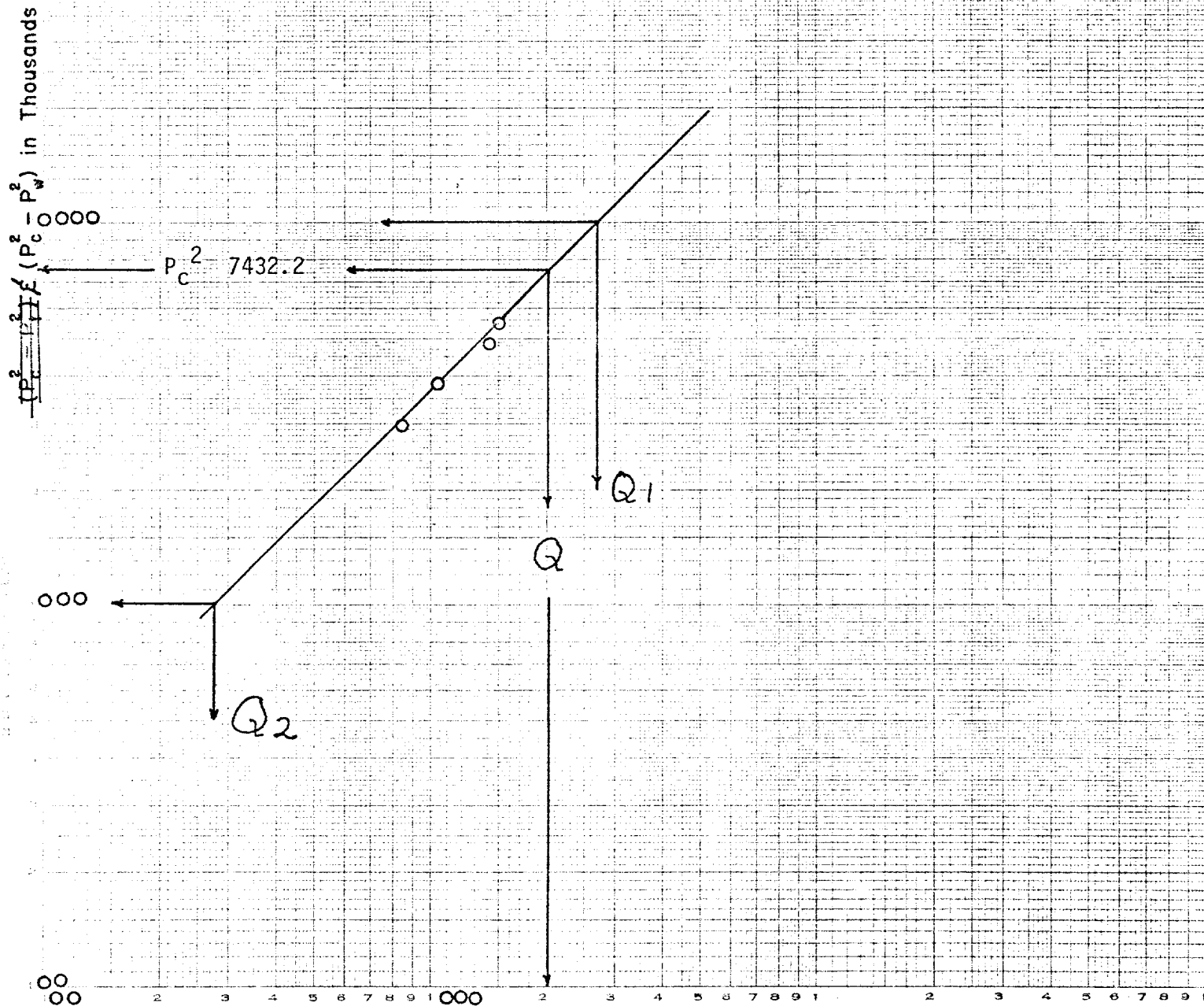


BACK PRESSURE CURVE

Operator The Petroleum Corporation Lease Superior Federal Well No. 3
 County Eddy Field Russell Location M,4,20-S,29-E
 Date of Test August 9, 1974 Slope "n" .989 W.H. _____ Abs. _____
 Calc. W. H. Potential _____ MCF/D Calc. Abs. Potential 2,046 MCF/D



$$Q_1 = 2700 \text{ mcf/d}$$

$$Q_2 = 277 \text{ mcf/d}$$

Q in MCF/Day

$$\text{Log } Q_1 = 3.431363$$

$$\text{Log } Q_2 = 2.442479$$

$$N = .988884 = .989$$