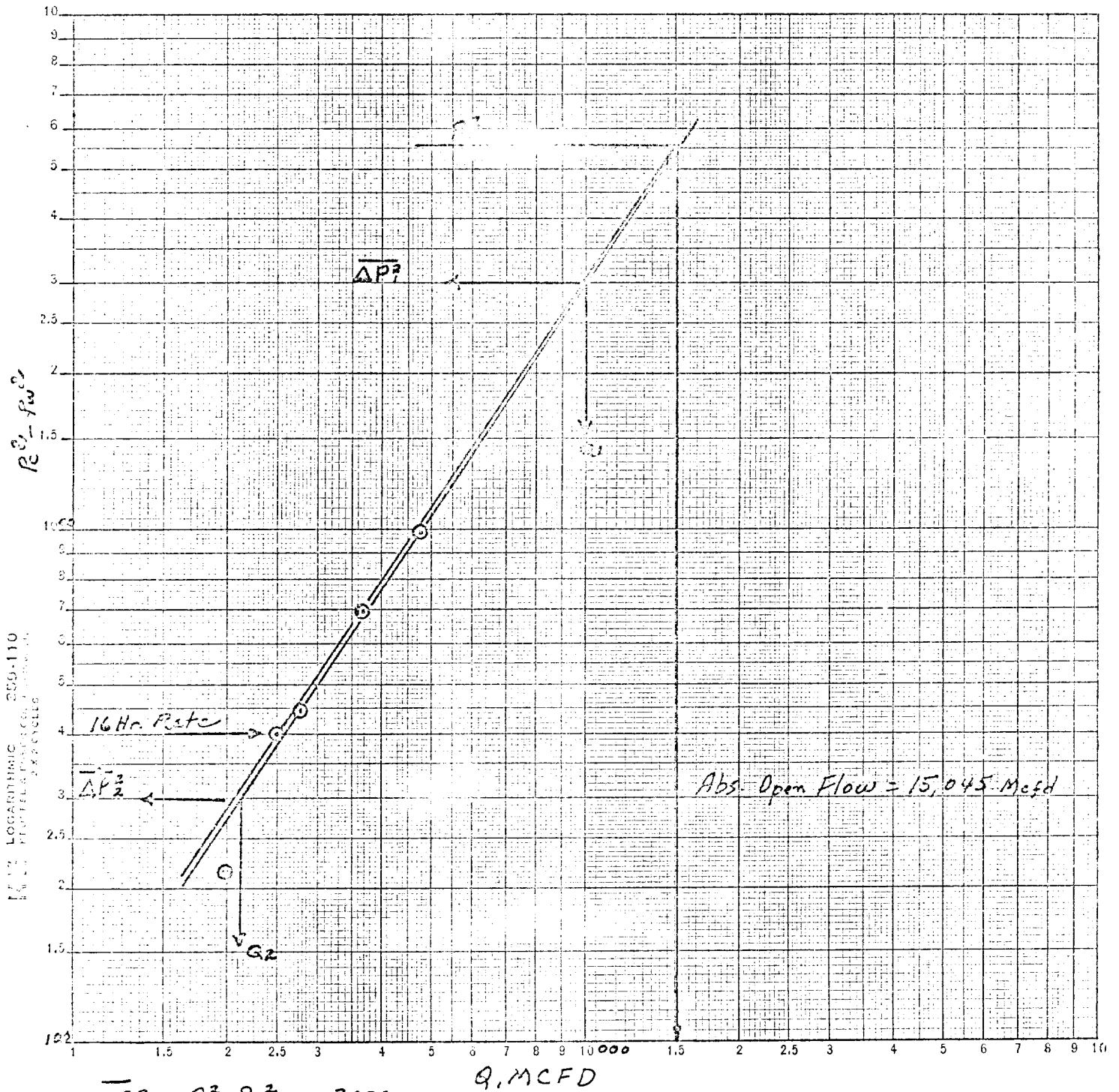


Unit Oil Corporation
 Helbing Federal Gas (Comm) No. 1
 Unit F, Sec. 15, T22S, R23E
 May 23, 1966



$$\Delta P_1^2 \quad P_e^2 - P_w^2 = 3000$$

$$\Delta P_2^2 \quad P_e^2 - P_w^2 = 300$$

$$Q_1 = 10000 \text{ Mcfd}$$

$$Q_2 = 2120 \text{ Mcfd}$$

$$\log Q_1 = 4.000000$$

$$\log Q_2 = 3.326336$$

$$m = .673664 = .674$$