

Q₁:

$$G = \frac{G_g + \frac{4595 G_1}{GOR}}{1 + \frac{V_1}{GOR}}$$

$$G = .953$$

$$P_{cr} = 660$$

$$\begin{array}{r} + 2.4 \\ - 1.4 \\ \hline 661 \end{array}$$

$$\Delta P = \frac{3(37.5 GH)}{I_w + 4I_1 + I_2}$$

$$\Delta P = 633.7$$

$$P_s = P_t + \Delta P$$

$$P_s = 1436.9$$

$$\Delta P = \frac{3(37.5 GH)}{I_w + 4I_1 + I_2}$$

$$\Delta P = 554.2$$

$$P_w = P_s - \Delta P$$

$$P_w = 882.7$$

$$G_g = .736$$

$$G_1 = .7694$$

$$GOR = \frac{2587,000}{198} = 13066$$

$$V_1 = 741$$

$$T_{cr} = 474$$

$$\begin{array}{r} - .6 \\ - 4.2 \\ \hline 469 \end{array}$$

$$37.5 GH = 335,285$$

$$I_w = 275.1$$

$$I_1 = 263.6$$

$$I_2 = 257.7$$

$$P_t = 803.2$$

$$37.5 GH = 335,285$$

$$I_w = 282.2$$

$$I_1 = 304.6$$

$$I_2 = 314.3$$

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