3.27 Determine the gage pressure in pipe A.
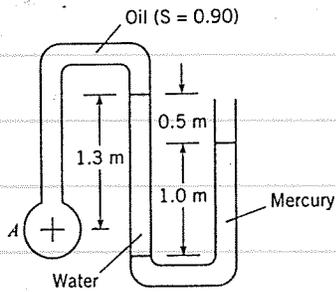

PROBLEMS 3.27, 3.28

$$p_A - \gamma_w S_o 1.3 + \gamma_w 1.5 - \gamma_w S_m 1 = p_{atm} = 0 \text{ gage}$$

$$p_A = \gamma_w (.9 \times 1.3 - 1.5 + 13.55) \quad \gamma_w = 9810 \frac{N}{m^3}$$

$$= 129.7 \text{ kPa}$$