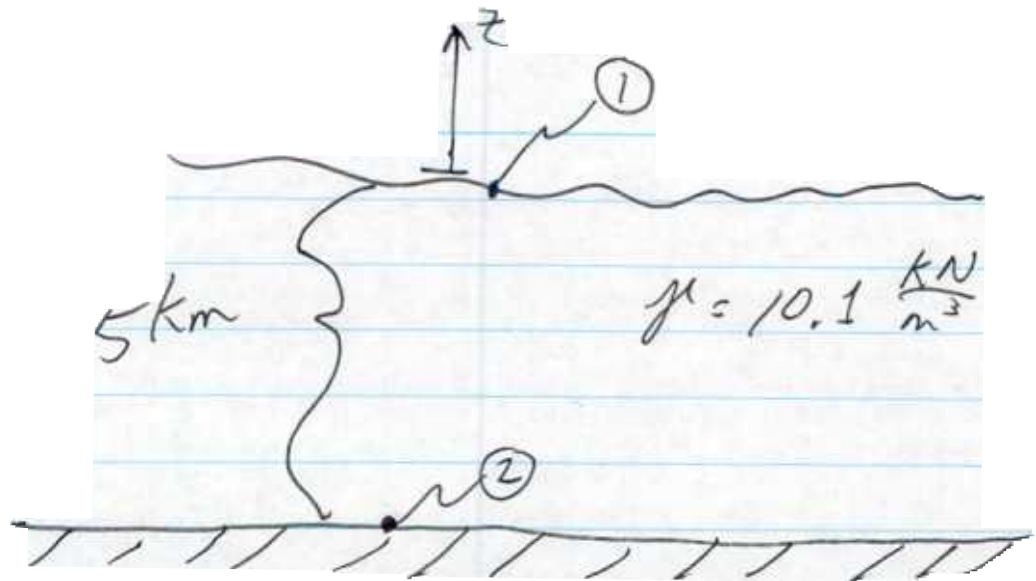


MYO 2.6



Assuming Incompressible Fluid

Shear Free

\vec{a}

$g \neq g(z)$

$P_2 = P + \gamma(z_2 - z)$

$P_2 = 10325 \frac{N}{m^2} - (10100 \frac{N}{m^3})(-5000m)$

$P_2 = 50,601,000 \text{ Pa (absolute)}$

$= 50.6 \text{ MPa}$

$= 499 \text{ atm}$

$= 7341 \text{ psia}$

← ANS

$P_{2g} = 50.5 \text{ MPa}$

$P_{2g} = 7326 \text{ psi}$