Make assumption that the surface of the hot well as 1,and the upper surfaceof the condenser as 2,

Base on Bernoulli equation

$$gZ_1 + \frac{u_1^2}{2} + \frac{P_1}{\rho} = gZ_2 + \frac{u_2^2}{2} + \frac{P_2}{\rho} + \sum hf$$

Z_1 =0, $P_1 = 0, u_1, u_2 = 0, P_2 = -1\text{barg} = -100000\text{Pa}, \rho = 1000\text{kg/m3}$

$$gZ_2 - 100 + \sum hf = 0$$

Assume that the velocity u=0.5 m/s in the pipe connecting with hot well and condenser, and absolute roughness is ε=0.3mm, ε/d=0.006

Ref from chemical data book ε/d=0.006, then fluid resistance is

$$\sum hf = \lambda * \frac{Z_2 u^2}{2d} + (\zeta_1 + \zeta_2)\frac{u^2}{2} = 2.5Z_2 + (1 - 0.5) * \frac{0.5^2}{2}$$

Z2=8 m

This show that if no flooding occurs, the height between the hot well and condenser must be at least 8 m

I am not sure that my calculation is right or not.

Please give me some comment. I really appreciate that.

Thank you very much.