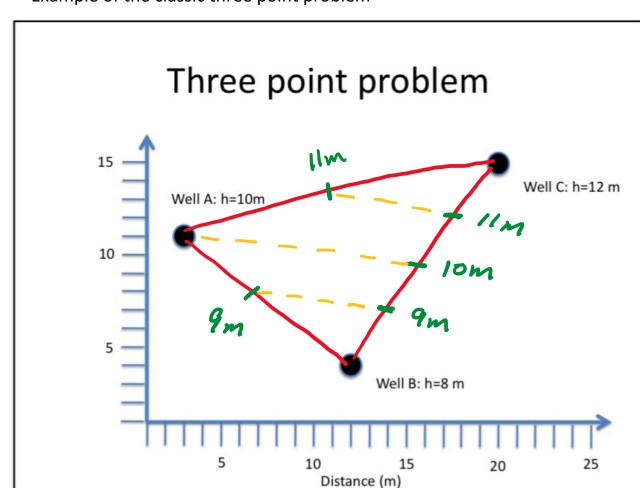
Saturday, February 29, 2020

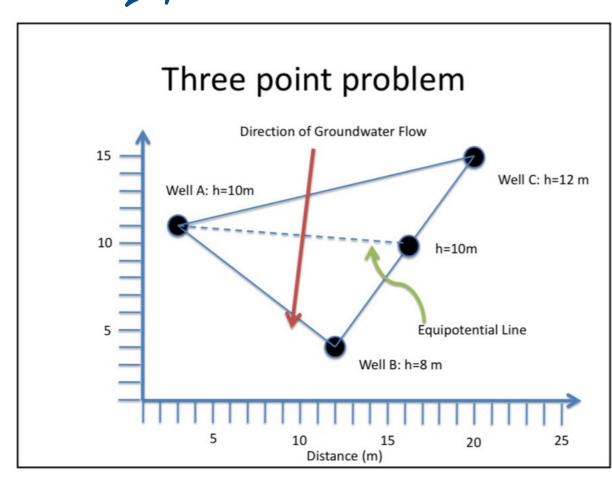
Example of the classic three point problem

8:09 AM



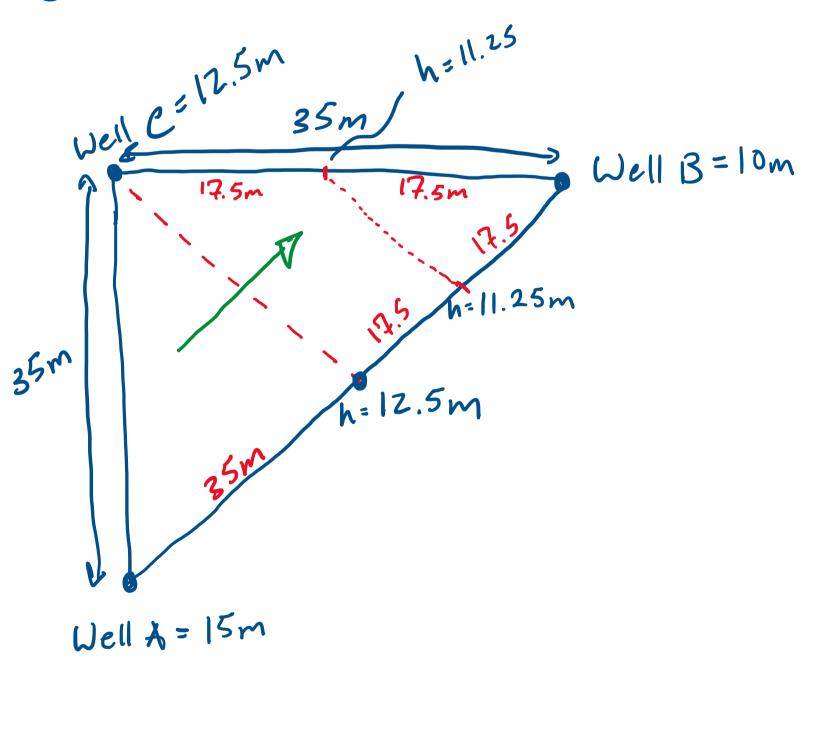
Basic Steps.

- 1. Determin head in wells
- 2. Drew lines connection wells. (See red line above)
 3. Try to find a common head between connecting
 lines (See green tich merks)
- 4. Drow equipotential lines (see vellow lines)



Foldable Aquifer Model Solution

A. Determine the direction of groundwater flow based on the water levels in wells A-C.



B. Calculate the groundwater gradient across the unconfined aquifer.

$$\frac{h_2 - h_1}{\Delta S} = \frac{11.25 - 12.5m}{17.5} = -0.07 \text{ m/m}$$

C. Quantify the specific discharge (q) in the unconfined aquifer.

$$9 = -k \frac{dh}{ds}$$

$$K = 10^{-4} \text{ cm/sec}$$

$$= 10^{-6} \text{ m/sec}$$

$$9 = -(10^{-6} \text{m/s})(-0.07 \text{m/m})$$

$$g = 7 \times 10^{-8} \text{ m/s}$$