Ordunced Petrophysics Reroto Poli HW4 rep 2656 K=40m0 2 notrous Ø=15% K12 = 5 m) M= 4 cp rw=03ft riz = 1.3-Pt A=35ft re= 1000ft pe= 5000 psi Pw = 2200 psi Keg=? alindrical coords; Q = 2. q Ph(re) = K 2th (Pe-Pw) 9 = 1/41.2 Kh (Pe-Pa)

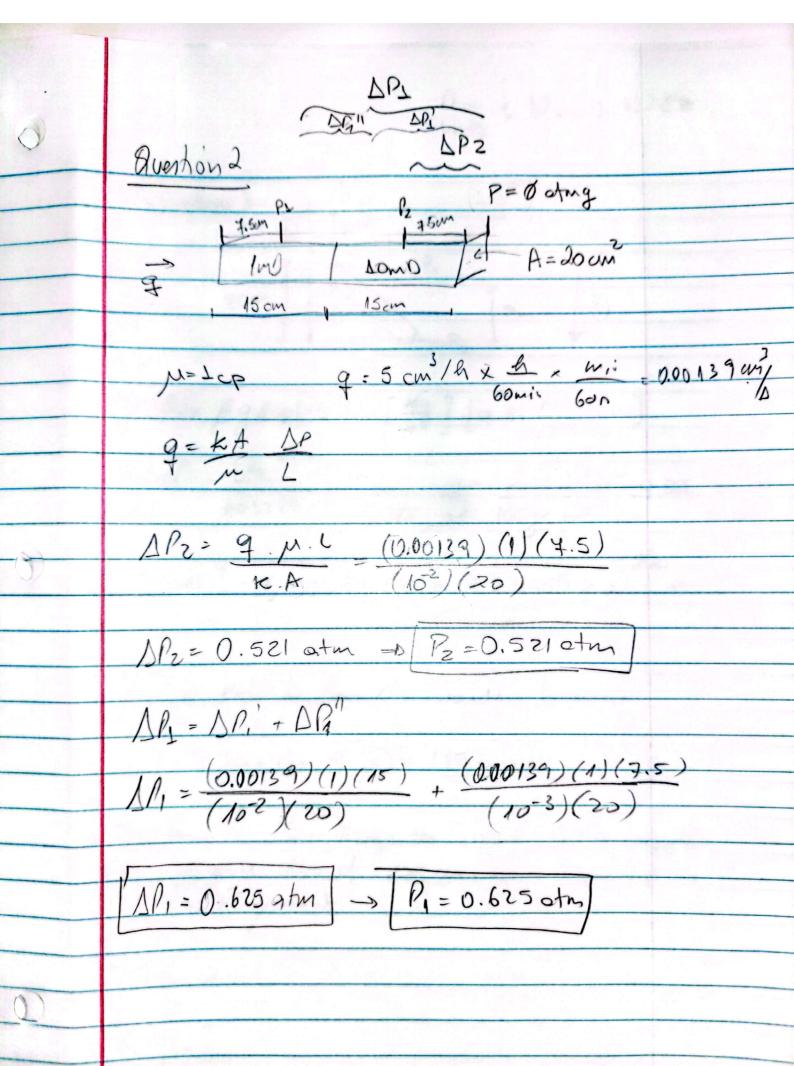
HB ln (re/ rw) (Pw-Pe) = 141.2 9 m sa (19/11) (Ru-Pe) = (Ru-PI) + (PI-Pe) Kog Kr ke kara 5en 1000 - en 1.3 Korg = 17.66 md

P65381 L

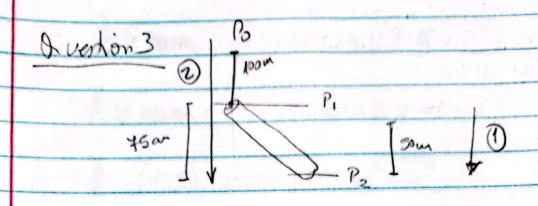
6 9 = 1 Kh (Pe-Pw)

9 = 1 (17.66) (35) (2200-5000) (4) ln (1000/0.3)

9=344.69 rbpd



any : SPA= 0.4338=



therefore, the flow through the prious medic results in a primure deep of 175 cm x GF. where GF is the fluid geodent.

(&) Bun used.

ho= 100 cm

$$k = - \mu r^2 L$$

$$\frac{R^2 pg}{R^2}$$

UNITS :

$$[H] = Cp. \frac{cm^2}{g}. \frac{cm}{g}. \frac{m^3}{g}. \frac{b^2}{g}. \frac{b^3}{g}. \frac{10^3}{kg}. \frac{1$$

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