

4.4.2 Theis Method of Solution

$$s = \frac{Q}{2\pi T} \int_u^{\infty} \frac{e^{-u}}{u} du \quad u = \frac{r^2 S}{4Tt}$$

$$s = \left(\frac{Q}{2\pi T} \right) W(u)$$

$$\frac{r^2}{t} = \left(\frac{4T}{S} \right) u$$

W (u) = well function

