Example:

$$B = 1.06 \text{ RB/STB}$$

 $q = 519 \text{ STB/day}$
 $M = 0.92 \text{ CP}$
 $p = 22.3 \text{ M}$
 $c_t = 13 \times 10^{-6} \text{ psi}^{-1}$
 $c_t = 13 \text{ ft}$
 $c_w = 0.27 \text{ ft}$

Drawdown Test

$$M = -\frac{162.69\mu B}{Kh}$$
 $K = -\frac{162.69\mu B}{mh}$

$$P_{wf}(t) = -6.9 \ln(t) + 3568.9$$

$$= -6.9 \frac{\log t}{\log e} + 3568.9$$

$$= -15.9 \log t + 3569.9$$

$$= -15.9 \log t + 3569.9$$

$$= \sqrt{15.9 \log t} + 3569.9$$

Buildup Test

$$P_{WS} = -6.69 \text{ Im} \left(\frac{t + \Delta t}{\Delta t}\right) + 3793$$

$$= -15.408 \log \left(\frac{t + \Delta t}{\Delta t}\right) + 3793$$

$$K = \frac{162.6 \times 1.06 \times 0.92 \times 519}{-15.408 \times 13}$$

$$- \times \left[K \simeq 410.86 \text{ md} \right]$$