





















$$T = \frac{2.3Q}{4\pi\Delta\hbar}$$

$$S = \frac{2.25Tt_{o}}{r^{2}}$$

$$\Delta h = drawdown over 1 log cycle of time
$$= \frac{(2.3) \frac{500 \frac{gal}{\min 7.48gal} \frac{1ft^{3}}{day}}{4\pi 1.3ft}$$

$$= 13,552 \text{ ft}^{2}/\text{day} \sim 1.4 \times 10^{4} \text{ ft}^{2}/\text{day}$$

$$t_{o} = \text{ time intercept for zero drawdown}$$

$$= \frac{2.25 \times 13,552 \text{ ft}^{2}/\text{day} \times 2.6 \times 10^{-4} \text{ day}}{(200\text{ft})^{2}}$$

$$= \sim 1.98 \times 10^{-4} \sim 2 \times 10^{-4}$$$$