

RRW2

May 30 to June 7, 1978

67L07313

APPARENT  $\Delta h = \frac{5759 Q u}{A} = \frac{5759 (740)(.21)}{(138-64 \text{ psi}) \cdot 74} = 12,000 \text{ md-ft}$

$$\Delta = \frac{5759 Q (.21)}{12000 \text{ md-ft}}$$

$\Delta$  w/  $Q = 500 \text{ gpm}$

$$\Delta = \frac{5759 (500)(.21)}{12000} = 50 \text{ psi/cycle}$$

RATIO  $50:74 = 0.68$        $74:50 = 1.48$

$\Delta$  w/  $Q = 400 \text{ gpm}$

$$\Delta = \frac{5759 (400)(.21)}{12000} = 40 \text{ psi/cycle}$$

$\Delta$  w/  $Q = 450 \text{ gpm}$

$$\Delta = \frac{5759 (450)(.21)}{12000} = 45 \text{ psi/cycle}$$

ASSUME BOUNDARY AFTER 10.5 DAYS

4.75 psi/cycle at 225 gpm  $\rightarrow$  9.5 psi/cycle  
 @ 450 gpm

(TOTAL PER CYCLE 450 gpm  $\rightarrow$  54.5 psi/cycle)