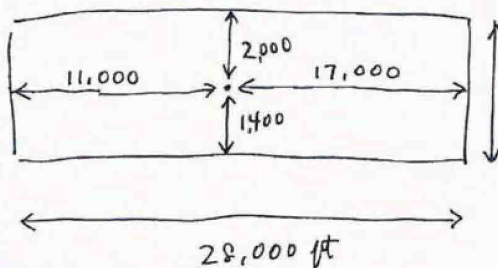


275 mmrb oil  
110 mstb oil

skin = 45 includes pressure drop to well  
wellbore storage = 0.35 ~~psi~~ bbl/cpi  
k = 500 md

B ~~2.58~~ 2.56  
 $\nu_o$  .168 cp  
 $c_o$   $14.6 \times 10^{-6}$  psi<sup>-1</sup>  
 $c_w$   $3 \times 10^{-6}$  psi<sup>-1</sup>  
 $r_c$   $6 \times 10^{-6}$  psi<sup>-1</sup>  
 $C_t$   $19.4 \times 10^{-6}$  psi<sup>-1</sup>



initial pressure  
8499.44 psi  
Average pressure  
6898 psi

88 ft thick

$S_w$  10%  
porosity 21%

$$C_t = C_r + (1 - S_w)C_o + S_w C_w$$

$$Q = 45,000 \text{ stb/day}$$

$$t_p = 2029 \text{ hrs}$$

2.63 hr at 40,000 stb/day  
to represent shut-in

2356 psi  
flowing pressure  
before skin

CONFIDENTIAL



IGS765-000001