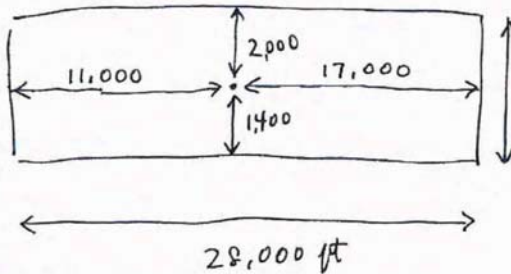


275 mmrb oil
110 mstb oil

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

B ~~2.58~~ 2.56
v_o .168 cp
c_o 14.6 × 10⁻⁶ psi⁻¹
c_w 3 × 10⁻⁶ psi⁻¹
r_c 6 × 10⁻⁶ psi⁻¹
C_t 19.4 × 10⁻⁶ psi⁻¹



initial pressure
8499.44 psi
average pressure
6898 psi

8 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 shut-in

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