

Discretization

$\Delta t = 30 \text{ min}$, $\Delta x = 0.01 \text{ m}$

Thermodynamic Conditions

$T = 60 \text{ }^{\circ}\text{C}$, $P = 100 \text{ bar}$

Transport Parameters

$v = 1 \text{ m/week}$, $D = 10^{-9} \text{ m}^2/\text{s}$

Injection Fluid

0.90 molal NaCl

0.05 molal MgCl_2

0.01 molal CaCl_2

0.75 molal CO_2

