

Analytical Method

- Given the flow rate, I calculate discharge coefficients in the wellbore and reservoir
- **Build a model**
 - Wellbore
 - Reservoir
- **Finding**
 - Cumulative volume of oil released = 5.2 MMSTB
- **Benefits**
 - Match shut-in pressures
 - Check parameters against independent estimates
 - Obtain starting values for numerical base case

