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

50 ft BOP piece

Permeability

Skin

OOIP

13286 ft