

## Overview of Methodology

- **Developed model based on principles of fluid dynamics**
  - Conservation of mass
  - Well-established relationships between *flow rate* and *pressure drop*
- **Determined parameters relating flow rate to pressure drop using actual data**
  - BOP and capping-stack pressures measured during shut-in
  - Measured pressures and flow rates during oil collection
- **Used model to calculate flow rates and cumulative discharge based on differences between reservoir and BOP pressures measured over the 86 days of flow**