

## Overview of Work and Testimony

- **Developed model to determine flow rates and cumulative discharge based on**
  - BOP pressure data throughout much of the response
  - Pressures and flow rates measured by BP during and just before shut-in
  - Principles of fluid dynamics
- **Validated model**
- **Quantified uncertainties**
- **Responded to BP criticisms**
- **Concluded that total discharge was 5.0 million barrels**
  - 63,000 BOPD at time of blowout
  - 55,000 BOPD just before installation of capping stack