

## Material Balance Analysis – Pressure Drop

- **Pressure drop = difference between initial and final reservoir pressure**
- **Initial Reservoir Pressure**
  - Initial pressure of 11,856 measured by BP before blowout
- **Final Reservoir Pressure**
  - Calculated using buildup pressure measured at shut in
  - Used Mead method to calculate final average reservoir pressure of 10,396
  - Validated Mead calculation using values from reservoir engineering literature (Lee and Earlougher books)
  - Advantage of Mead method is it does not rely on flow rate