

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