

## Validation of Methodology, Model and Results

- PI is consistent with BP values used during response
- Predicted flow rates of collected oil agree with measured values to within 1.7%
- Flow rates computed using BOP, capping stack, and ambient pressures agree within 3% for all 15 choke positions during shut-in
- Derived expressions for discharge coefficients in terms of classical two-phase models (Appendix C)
- Good agreement between calculated and measured BOP and capping stack pressures during shut-in (within 90 or 120 psi)
- Comparison with “industry-standard” model
- Comparison of “best estimate” with calculations using alternate methodologies and pressure differences