Weatherford's flawed testing procedure

| Best Practices | Macondo Practices | Effect on Reliability of Weatherford Data |
|---|--|---|
| 2-to-1 length-to-diameter (L/D) ratio | 1.2-to-1 L/D ratio | Underpredicts compressibility |
| Whole core; test direction mimics field conditions | Rotary sidewall core; tested in wrong direction | Underpredicts compressibility |
| Simulate in-situ reservoir conditions of temperature and saturation | | |
| Buildup rate of 1 psi/sec and depletion loading rate of .1 psi/sec; measure for creep and seating loads | Buildup rate of 4.2 psi/sec and depletion rate of .5 psi/sec; no measurement for creep or seating loads | Underpredicts compressibility |
| | | Increases uncertainty |
| Calibrate equipment before and after tests | Unknown | Increases uncertainty |