

Material Balance Analysis - Sensitivities

- **Considered range of formation compressibility – 6-12-18 microsips**
 - Dr. Blunt failed to consider any values other than 6 microsips

- **Variation in formation volume factor affects calculation of original oil in place**
 - Original value of 2.14 used to calculate 137 MMSTB original oil in place is quite conservative
 - Also considered Dr. Blunt's value of 2.35 in calculation of 110 MMSTB original oil in place, which is unrealistically high
 - Values calculated using Dr. Zick and Dr. Whitson's oceanic separation analyses
 - Dr. Whitson – 2.08-2.14
 - Dr. Zick – 1.97-2.04