

Material Balance Analysis – Pros and Cons

➤ Advantages of material balance methodology

- Simplicity
- Doesn't rely on flow rate

➤ Limitations of material balance methodology

- Static analysis only gives you a picture of a moment in time; assumes no variability in the system
- Sensitive to uncertainties in input values
- Increasing uncertainty due to nontraditional use of methodology in Macondo analysis
- Does not include additional data used by other US experts, including pressure and collection rate data