

# Multiphase RTA

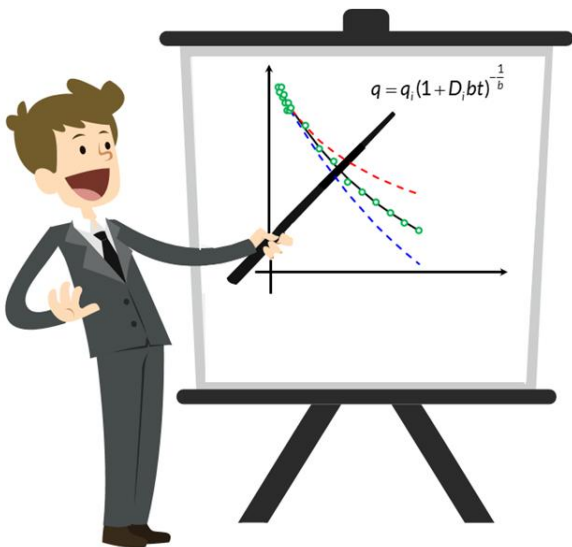
Rate Transient Analysis Course, 2-day

## Course Goals

Two common goals of Rate Transient Analysis (RTA) are the quantification of early time well performance using the Linear Flow Parameter (LFP), as well as the contacted pore volume being drained (e.g. OOIP and OGIP). These two parameters are essential for understanding the effects of completions, geology, and depletion which then advises different strategies for optimizing the economics of future development.

## Audience

Geologists and reservoir, production, facility and processing engineers. Also relevant for managers, government representatives or business unit team members exposed to RTA.



## Course Outline & Topics

The course contains lectures with associated exercises. The following topics will be covered

- RTA inputs:
  - Production data
  - PVT
  - Bottomhole pressures
- RTA What's New?
  - Multiphase Flowing Material Balance (FMB)
  - Analytical & Numerical RTA
  - Classical vs. Fractional RTA
- Numerical reservoir simulation/modeling
- Example Cases & Exercises

Other topics can be covered upon request.

## Lecturers

Consultants in **whitson**

## Further Information or Inquiries

Please send an e-mail to [carlsen@whitson.com](mailto:carlsen@whitson.com).