

Advanced Gas Condensate

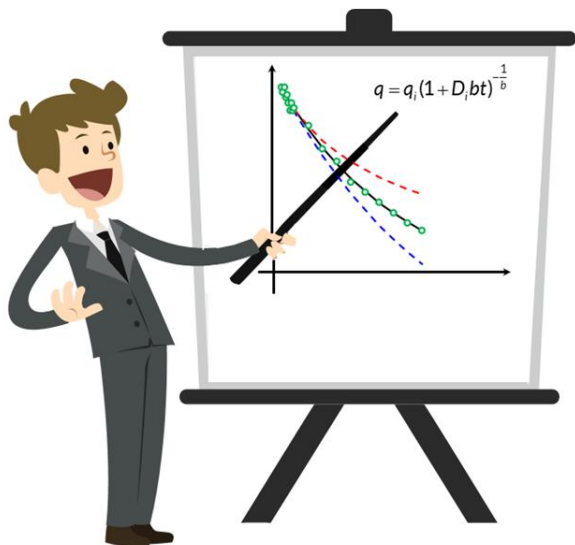
Reservoir Management , 5-day

Course Goals

This course gives a review of the key elements dictating recovery and well performance of gas condensate reservoirs. Each data is put in the context of their importance to specific mechanisms of recovery and flow behavior. Phase behavior important to gas cycling projects is also covered. Modeling gas condensate reservoir fluid systems with an equation of state is discussed, as is EOS modeling of complex fluid systems with compositional variations.

Audience

If you are working in a team operating a gas condensate reservoir, or plan to work on a gas condensate reservoir soon, this course is for you. Typically, reservoir, production, processing and facility engineers.



Course Outline & Topics

The following topics will be covered

- Flow Regions in Gas Condensate Wells
 - Region 1 (single-phase)
 - Region 2 (condensate accumulation)
 - Region 3 (condensate blockage)
- Gas Condensate Fundamentals
- Wet gas vs dry gas moles and volumes
- Inplace Volumes and Recovery Factors
- Gas Condensate PVT
 - What's Important and Why?
 - Sampling
 - EOS Modeling
- Dry Gas Engineering
- Dry Gas vs Gas Condensate Equations
- Gas Condensate Material Balance
- Gas Condensate Blockage
 - Modeling
 - GPP Option in E100 and E300
- Compositional Grading
- Gas Cycling

Lecturers

Consultants in **whitson**

Further Information or Inquiries

Please send an e-mail to carlsen@whitson.com.