

Gas Lift Design and Troubleshooting

SNAP Software Course, 2-day

Course Goals

This course equips engineers with the knowledge and skills to design, analyze, and troubleshoot gas-lift systems using SNAP. Participants will learn to apply steady-state nodal analysis to optimize well performance, calculate valve spacing and pressure settings, evaluate artificial lift options, and diagnose operational issues. Engineers will be able to confidently design gas-lift systems, identify bottlenecks, and implement practical solutions to maximize production efficiency.

Audience

Petroleum and production engineers, field operations staff, and gas-lift and jet-pump specialists from operators, suppliers, and service companies.

Course Outline & Topics

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

- Introduction to Gas-Lift
- Basic Fluid-Gas Properties
- Nodal Analysis
- Valve Mechanics & Operation
- Mandrel and Valve Spacing Design
- Gas-Lift Design & Optimization
- Troubleshooting Gas-Lift Installation
- Jet Pump Design& Optimization

Other topics can be covered upon request.

Lecturers

Tom Nations, tom@whitson.com

Further Information or Inquiries

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

