



Course Title:

Flow Assurance Training (5 days)

Course Overview:

Flow assurance guarantees uninterrupted transport of production fluids from reservoir to the point of sale. Since it impacts every phase of field development and operations, sound knowledge of flow assurance will result in huge cost savings.

This course will enable participants understand key concepts and theories of flow assurance, become conversant with latest developments regarding flow assurance and possess the capacity to manage, control or solve flow assurance challenges.

Course Objectives:

Upon completion of the course, participants will be able to:

- Have in-depth understanding of flow assurance in oil & gas field development
- Understand major problems associated with flow assurance including hydrates, corrosion, paraffins (wax), asphaltenes etc
- Identify the causes and mechanism of flow impediment and methods of prevention, control and remediation
- Gain more knowledge on the transient behavior of fluid flow in field operation

Course Details:

Day One

- Flow Assurance Principles
- Fluid Composition Analysis
- PVT Analysis
- Flow Assurance Challenges
- Oil and Gas Pipeline Design

Day Two

- Gas Condensate Pipeline Design
- Pipeline Design for Heavy Oils
- Management of Corrosion and Erosion Issues
- Management of Hydrates, Asphaltenes, Scale and Wax
- Thermal Management Strategies





Day Three

- Steady State Design Software
- Transient Flow Design Software
- Multiphase Flow Behaviour and Modelling
- Design of Onshore and Offshore Pipelines
- Pipeline Depressurization/Blowdown

Day Four

- Design and Modelling of Wells
- Subsea Production Systems
- Multiphase Meters
- Transient Flows and Operations

Day Five

- Flow Assurance Design Case Studies and Tutorials
- Workshop
- Issuing of Certificate of Attendance

Audience

- Flow Assurance Engineers
- Design Engineers
- Field Operators and Operations Managers

Schedule and Fees:

Please register interest by sending email to training@kafloxengineering.com

