



Completion & Workover Training

Course Outline

Course Objective: This course will provide an overview of Oil and Gas Well completion & workover operations. The course will focus on the practical aspects of each of the technologies, using design examples - successes and failures - to illustrate the key points of the design and the risks/uncertainties in designing. The significance of the team concept and involvement of specialists from Geology, Reservoir Engg, Production and Drilling as a factor in optimizing the success of completion operations will be brought out emphatically during the training.

Course Pre-requisites: This will be an Intermediate Level Training for Well Completion and Workover Engineers. The participants should have basic knowledge of Oil & Gas Production & Well Design engineering.

Course Language: English

Course Duration : 14 Hours

Resources Provided: Case studies & Assignments

- Q & A Clearing Sessions
- Training Manuals



Lead Instructor

Vinnavadi C Babu Sivakumar

Principal Consultant ,GOTS
Production Technologist(40+ yrs. Experience)



Previous experience with companies like

- ONGC, India (Onshore and Offshore)
- QP, Qatar (Offshore Gas Field)
- Bahrain Petroleum Company Bahrain (Onshore)
- Petronas Malaysia (Offshore fields)

Basic of Well Completions (2.5 Hours)

- IPR-VLP; Darcy's Law
- Tubing performance and correlations
- Completion size selection
- Metallurgy Selection and Tubulars



Basic Components (2.5 Hrs)

- Types of Completions - OH, Sand Control, Monobore, C&P, Stimulation, etc.
- Basic elements of completion
- Packer Fluid - Brine
- Packer
- Well Head system
- Valves and safety features
- Profiles and sleeves

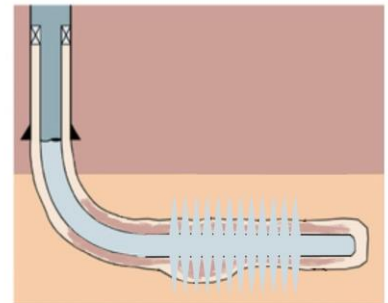


Operations (3 Hrs)

- Wellbore Clean out
- Cased Hole Logging
- Completion run and Space out
- Selection of AL on basis of well data

Sandface Completion (2.5 Hrs)

- Perforation
- Stimulation
- Well Testing
- Sand Control
- Artificial Lift
- Dual Completion



Workover (3.5 Hrs)

- Well Killing
- Special Packers
- Fishing and Milling
- Workover Rigs / Snubbing Units
- **Exercises with Completion Cases- 3 different field case studies**