

Advanced Well Completion and Workover Technologies



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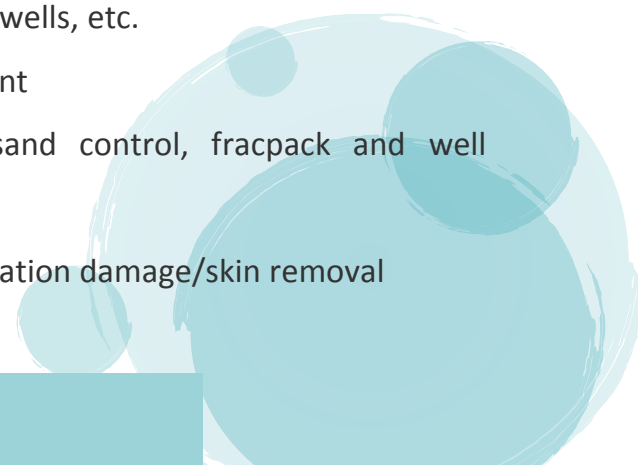
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Introduction:

The Advanced Completions and Workovers course is an introduction to many facets of completion and intervention technology. The material progresses through each of the major design, diagnostic and intervention technologies, ending with the effect of operations on surface facilities and plug and abandonment requirements.

The course focuses on the practical aspects of each of the technologies, using design examples and both successes and failures to illustrate the points of the design and the risks involved with the entire process. The overall objectives of the course are to focus on delivering and maintaining "well quality"

Objectives:

- Develop a high level completion strategy for wells in a variety of situations
 - Select tubing, packers, and completion flow control equipment
 - Appraise/design a suitable flow barrier strategy
 - Make recommendations on installation and retrieval practices for tubing, packers, etc.
 - Identify key design for horizontal, multilateral, HPHT wells, etc.
 - Select an appropriate intervention strategy/equipment
 - Identify key features/applicability of the main sand control, fracpack and well stimulation options
 - Assess/specify concerns/remedial measures for formation damage/skin removal
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Who should attend?

Drilling operations, production operations, workover and completions personnel; petroleum engineers; drilling and completion contractor personnel; service company personnel

Methodology:

This interactive Training will be highly interactive, with opportunities to advance your opinions and ideas and will include;

- Lectures
- Workshop & Work Presentation
- Case Studies and Practical Exercise
- Videos and General Discussions

Certificate:

BTS attendance certificate will be issued to all attendees completing minimum of 80% of the total course duration

Course Outline:

- Basic well completion design, practices, and strategies
 - Well quality and integrity
 - Safety aspects of well design
 - Packer selection and tubing forces
 - Wellheads/chokes/ subsurface safety valves and flow control equipment
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- Corrosion and erosion Inflow and tubing performance
 - Tubing design and selection
 - Materials selection
 - Deviated/multiple zone/subsea/horizontal/multilateral and hpht completion considerations
 - Perforating design
 - Causes and prevention of formation damage
 - Stimulation design considerations
 - Sand control
 - Wireline/coiled tubing/workover rig operations
 - Snubbing