



Basic Drilling, Completion and Workover Operations - BDC

COURSE

About the Course

This course presents the basics of drilling and completion operations, plus post-completion enhancement (workovers). Participants will learn to visualize what is happening downhole, discover what can be accomplished, and learn how drilling and completion can alter reservoir performance. Learn to communicate with drilling and production personnel. No experience or prerequisites are required.

"For an overview, all of the subjects had adequate time. I'm a midcareer engineer - I'll take any class PetroSkills offers!" - Petroleum Engineer, United States

"Liked the entire course. Really enjoyed the first section on earth mechanics!" - Drilling Completions Technician, United States

BDC is also available as an on-demand, self-paced online course. [Click here for more information.](#)

Target Audience

Technical, field, service, support, and supervisory personnel desiring to gain an awareness of wellbore operations. Excellent for cross-training of other technical disciplines such as reservoir and facility engineers, geoscientists, supervisors, service personnel, and anyone who interacts with drilling, completion or workover engineers.

You Will Learn

- How to comprehend drilling and workover reports
- What can be done within open-hole and cased wells, as a part of reservoir management
- How drilling practices can optimize cash flow and ultimate recovery
- How to communicate with drilling and production personnel

Course Content

- Overview of the drilling process
- Language of drilling, completing, and well intervention
- Drill string components: bits and accessories
- Drilling fluids and hydraulics

- Hole problems, stuck pipe, side-tracking and fishing
- Cores and coring
- Electric logging, MWD, LWD
- Casing design and installation
- Primary and remedial cementing
- Directional, horizontal, multilateral and under-balanced drilling
- Wellhead equipment and trees
- Options for completions and workovers
- Tubing, packers and completion equipment
- Safety and flow control devices
- Open hole completions
- Perforating
- Coil tubing operations
- Wireline techniques
- Well stimulation - surfactants, solvents, acidizing, hydraulic fracturing
- Formation and sand control - mechanical retention, chemical consolidation, and gravel packing
- Scale and corrosion
- Directional drilling and multi-laterals
- Scale and corrosion
- Paraffin and asphaltenes

Product Details

Categories: [Upstream](#)

Disciplines: [Multi-Discipline Training](#)

Levels: [Basic](#)

Product Type: [Course](#)

Formats Available: [In-Classroom](#) [Virtual](#)

Instructors: [Hector Vargas](#) [Kevin Cuyler](#) [Iskander Diyashev](#) [Mason Gomez](#) [Stephen Jewell](#)
[Howard McKinzie](#) [PetroSkills Specialist](#)

In-Classroom Format

2 Dec '24 6 Dec '24 - | Course | In-Classroom (in Houston) \$4,610.00

Virtual Format

15 Jul '2426 Jul '24- | Course | Virtual (Houston UTC)

\$3,970.00