Basic Petroleum Engineering Practices - BE

COURSE

About the Course

This course is a basic introduction to most aspects of the Petroleum Engineering discipline, which includes reservoir, production, and drilling engineering as well as related topics. This course lays the groundwork for further specialized training in advanced courses for oil company and service company personnel. The course focuses on the field and application approach and includes classroom exercises, fundamental engineering problems, and basic field exercises. Basic Petroleum Engineering Practices will set the foundation for technical professionals with regards to technology and its engineering applications. The course starts out with a brief introduction of the history and current state of the oil and gas industry. Next, reservoir fluids, petroleum geology, and petroleum reservoirs are discussed. Then, various facets of exploration technology, drilling engineering and operations, well completion technology, and production technology are covered before finishing with surface processing of produced fluids.

"This was a great 'across-the-board' 5 day school!" - Senior Geologist, United States

"Overall, one of the best, if not the very best course I have attended. Great material and instructor." - Technical Reservoir Specialist, United States

Target Audience

Engineers, engineering trainees, technical managers and assistants, technicians, geologists, geophysicists, chemists, physicists, service company personnel, sales representatives, and data processing personnel.

You Will Learn

- Basic petroleum geology
- Reservoir fluid and rock properties
- Fundamentals of reservoir fluid flow
- Oil and gas reservoir classification, definition, delineation, and development
- Unconventional resources
- Fundamentals of drilling, well completion, and production operations
- Basics of casing design and primary cementing
- Primary and enhanced recovery mechanisms
- Surface operations

Course Content

- Reservoir fluid properties
- Petroleum geology
- Reservoir properties and evaluation
- Unconventional resources
- Exploration technology
- Drilling engineering
- Well completion, stimulation, and workover
- Well testing and formation damage
- Production operations
- Recovery methods
- Surface processing

Product Details

Categories: Upstream, Midstream

Disciplines: Multi-Discipline Training Unconventional Resources

Levels: Basic

Product Type: Course

Formats Available: In-Classroom Virtual

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