

PRODUCTION TECHNOLOGY

PRD001

COURSE DESCRIPTION

This course covers production technology. It thereby enables one to timely select the most beneficial technology and set realistic expectations on production behavior changes and recovery improvement. The impacts of the selected technology on personnel training, technology transfer, and facility modification are also covered. Many illustrative problems, worked in the class by teams, are helpful in gaining a better grasp of the subject matter.

COURSE GOAL

To enhance the participants' knowledge, skills, and attitudes necessary to understand and apply technology of oil production.

COURSE OBJECTIVES

By the end of this course, participant will be able to:

- Determine reservoir properties.
- Understand recovery process and reservoir life cycle.
- Apply improved recovery methods.
- Evaluate well productivity.
- Understand NODAL Analysis.
- Understand artificial lift systems.

WHO SHOULD ATTEND

- Supervisors.
- Petroleum engineers.
- Operators.

COURSE DURATION

5 Working Days

COURSE OUTLINES

- Reservoir properties review.
- Recovery process & reservoir life cycle.
- Improved recovery methods.
- Well productivity.
 - Productivity index.

- VOGEL IPR.
- Multi-flow pressure gradient.
- Use of production logging in problem analysis.
- NODAL Analysis.
 - NODAL concept.
 - Finding where pressure losses occur.
 - Matching inflow / outflow.
 - Future inflow / outflow diagrams.
- Designing well completions.
- Perforating techniques.
- Artificial lift systems.
 - Lift concepts.
 - Artificial lift methods – applications & limitations.

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