

An LDI Training Course

DOWNHOLE PRODUCTION OPERATIONS

by

Dr. Ing. Bonar Tua Halomoan Marbun

This Downhole Production Operations course covers all the key topics related to producing oil and gas from a well such as well completions, production optimization, well problem troubleshooting and workovers.

By attending this course, participants will learn how to:

- Design well completions
- Select tubings, packers and the downhole tools
- Analyze well performance
- Optimize oil and gas production from the well
- Operate the well safely
- Troubleshoot production problems
- Design gravel pack and stop sand production
- Remove formation damage by acidizing
- Stimulate the well to increase the well productivity – hydraulic fracturing
- Calculate pressure drops in the tubing, flowline, choke, perforations, gravel-pack, sub-surface safety valve, and valves.
- Select equipment for well workovers
- Perform remedial squeeze cementing

Course Content

Geologic Considerations in production operations

Reservoir Considerations in Well Completions

Cementing Materials

Cement Additives
Well Completion Design
Tubing Strings
Packers and Subsurface Control Equipment
Perforating Oil and Gas Wells
Completion and Workover Fluids
Through-Tubing Production Logging
Problem Well Analysis
Paraffin and Asphaltting
Squeeze Cementing-Remedial Cementing
Sand Control
Formation Damage
Hydraulic Fracturing
Scale Deposition, Removal, and Prevention
Workover Rigs

WHO SHOULD ATTEND

This Downhole Production Operations course is designed for everyone involving in the production of oil and gas. It is perfect for:
Production engineers and supervisors
Well completion engineers
Drilling engineers and supervisors
Workover engineers and supervisors

ABOUT THE INSTRUCTOR

Dr.-Ing. Bonar Tua Halomoan Marbun is an Associate Professor and Head of the Petroleum Engineering Study Program at Institut Teknologi Bandung.

Dr. Bonar Marbun received a Petroleum Engineering Bachelor Degree in 1999 from Bandung Institute of Technology. In 2006, he received Dr. Ing. Degree from the Clausthal University of Technology in Germany.

Dr. Bonar Marbun is a member of Oil and Gas Independent Team Safety Control of the Ministry of Energy and Mineral Resources of Indonesia.

For more information about the course, please visit lditraining.com or contact LDI Training at [HYPERLINK "mailto:lditrain@indo.net.id" lditrain@indo.net.id](mailto:lditrain@indo.net.id).