

A LDI Training Course

BASIC DRILLING, COMPLETIONS and WORKOVERS

by

Dr. Ing. Bonar Tua Halomoan Marbun

Course Description

This course introduces the participants to the various techniques and practices of well drilling, completions, post-completion wellbore enhancement and remedial workovers.

By attending this course, participants will:

Understand how oil and gas wells are drilled, completed and treated.

Learn the equipment required to drill a well

Know how the AFE cost estimation is generated

Have a complete overview of the entire well construction, completion and remedial procedures and practices.

Course Content

Overview of the drilling process: Overall drilling practices

Language of drilling

Reservoir rock and fluid properties

Rigs & rig equipment

Drilling string components & design

Bits; Rig operation

Drilling fluids & hydraulics

MWD; Well control

Hole problems and stuck pipe

Drilling risks

Cores and coring

Casing design & installation

Primary cementing

Directional, horizontal, multilateral and under-balanced drilling

Wellhead & trees

Overview of the completion process: Zonal isolation

Tubing, packers & completion equipment

Safety & flow control devices

Open hole completions

Basic completion types

Perforating

Open & cased hole logging

Formation damage & treatment

Completion fluids

Multiple completions

Well stimulation: surfactants, solvents, acidizing, fracturing and deep

perforating

Sand control: chemical consolidation, gravel packing, frac-pack, new and novel techniques

Scale and corrosion

Sidetracking

Paraffin and asphaltenes

Reworks; Recompletions

Well deepening using coiled tubing

Who Should Attend

This introductory course is perfect for both technical and non-technical people working in the oil and gas industry, and for those who need a basic overview and understanding of oilfield operations.

Your Instructor

Dr.Ing. Bonar Tua Halomoan Marbun is 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. He then received Dr. Ing. degree from the Clausthal University of Technology in Germany in 2006.

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 lditrain@indo.net.id

LDI's Outline/Basic Drilling Completions and Workovers/p PAGE * MERGEFORMAT 2