

An LDI Training Course

COMPLETIONS and WORKOVERS

by

Dr. Ing. Bonar Tua Halomoan Marbun

Introduction

This Completions and Workovers course provide an integrated introduction to many facets of well completions and intervention technology. The course covers each of the major design, diagnostic, and intervention technologies concluding with some common remedial measures and well abandonment.

The course focuses on the practical aspects of well completions and workovers using design examples, their successes, and failures to illustrate the key points of well design.

The ultimate objective of the course is participants will be able to design effective completions and conduct successful workovers.

In attending this Completions and Workovers course, the participants will learn how to:

Develop well completion strategies in a variety of situations

Select tubing, packers, and completion flow control equipment

Design a suitable flow barrier strategy

Identify key design considerations for vertical and inclined wells,

horizontal, multilateral, HPHT, and unconventional resource wells

Select an appropriate intervention strategy and equipment

Identify key features/applicability of the main sand control and well stimulation options

Specify remedial measures for formation damage or skin

Select the best well stimulation method

Who Should Attend

This course is designed for engineers, supervisors engaged in drilling operations, production operations, workovers, well services, intervention and well completions.

Course Content

Basic well completion design, practices, and strategies

Well quality and integrity

Safety aspects of well design

Wellheads, trees, subsurface safety valves, and flow control equipment

Material selection guidelines based on corrosion and erosion conditions

The basic interpretation of inflow and tubing performance to aid tubing size selection

Tubing design and selection

Considerations for designing deviated horizontal, multilateral, and multi-zone reservoir completions

Basic completion principles and considerations for subsea, HPHT, and

unconventional wells

Perforating job selection and design

Formation damage mechanisms and their remediation

Well stimulation design considerations

Sand control options and their selection

Wireline, coiled tubing, and hydraulic workover rig operations

Snubbing units and operations

About The 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. 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)

LDI's Outline /Completion and Workovers/