LDI TRAINING
"Leading Edge Courses for Professionals" ™

An LDI Training Course

PRODUCTION OPERATIONS OPERATOR
In Upstream Oil & Gas Industry

by
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About The Course

This course covers various aspects of well service and production operations. It is designed to familiarize engineers, field operating personnel and supervisors with critical facets of completion, workover, stimulation design and practices. You will learn the techniques to plan, design, and carry out completion workover, or stimulation successfully and how to evaluate your well service results.

The workshop will give the participants opportunities to solve the production problems together with other participants as a team. Participants will also have a computer workshop using Well Perforation & Stimulation Software to design effective completion and well services. All participants will receive a copy of the software free.

You will learn

- How to operate your well efficiently
- How to design well completion, workover and stimulation
- How to carry out completion, workover and stimulation
- How to analyze well performance
- How to evaluate well service results
- How to design the best perforations
- How to control sand production
- How to design and trouble-shoot artificial lifts

Course Contents

- Basics of Production Techniques
  - Reservoir flow energy
  - Oil well production testing
  - Gas well production testing
- Well Completion Practices
  - Types of well completion
  - Interval selection and productivity considerations
- Downhole Production Equipment
  - Tubular products
  - Packers
  - Circulating devices
  - Nipples
  - Blast joint and flow coupling
  - Telescopic swivel joints
  - Subsurface Safety Valves
  - Artificial lift equipment
  - Wellhead Assemblies
- Evaluate Well Performance using Nodal Analysis
- Artificial Lift Systems
  - Electrical Submersible Pump (ESP)
  - Gas Lift
  - Hydraulic Pump
  - Sucker Rod Pump (SRP)
- Gas Lift Installation
  - Continuos Gas Lift
  - Intermittent Gas Lift
  - Dual Gas Lift
- Perforating
  - Introduction
  - Fundamental aspects of the shaped charge
  - Industry testing procedures

- Gun categories
- Specialized equipment and operation
- Casing deformation/damage
- Perforation productivity considerations
- Field completion considerations
- Wellhead pressure control
- Depth control technique

- Logging and Perforating
- Production Problems
- Sand Control
  - Introduction
  - Basic technology
  - Control methods
  - Program engineering
- Hydraulic Fracturing
- Acidizing
- Acid-Hydraulic Fracturing
- Changing of Production Zones
- Leak Detection and Isolation

Who Should Attend

- Production engineers and technicians
- Production field supervisors and team members
- Well service and workover supervisors
- Drilling engineers and supervisors
- Reservoir and petroleum engineers

About Instructor

The training will be led by Rudi Rubiandini, a distinguished industry professional and academic with more than 40 years of experience in the oil and gas industry. His expertise spans drilling operations, well planning, technology development, research, and upstream oil and gas management.

Throughout his career, he has delivered numerous technical training programs for leading oil and gas companies in Indonesia, managed drilling laboratories, and contributed to the development of research tools and technologies in petroleum engineering.

He has also served as a Professor at Institut Teknologi Bandung (ITB), Head of BPMIGAS, Deputy Chairman of SKK Migas, and Vice Minister of Energy and Mineral Resources of the Republic of Indonesia. Currently, he is a professor at Universitas Pertamina in Jakarta Combining extensive academic, operational, and regulatory experience, he brings valuable insights into industry best practices, operational challenges, and decision-making processes related to drilling operations, well control, and stuck pipe prevention.

Rudi Rubiandini is currently holding the position of a Senior Trainer of LDI Training and he certified to conduct its courses.

This course is presented by LDITraining.

For information about LDI Training please visit www.lditraining.com
If you have any question about our courses, please email your enquiry to lditrain@indo.net.id or contact to: 021- 6326911 / 0811 812857

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