

# INTRODUCTION TO DRILLING

20 - 24 Apr 2015  
Jakarta, Indonesia

Duration : 5 days



## WHO SHOULD ATTEND?

This basic course is intended for everyone in learning about drilling. It will teach basic drilling to non-drilling professionals.



### INSTRUCTOR :

**Mr. RICHARD LAU**

is currently a Training Consultant for the Upstream Oil & Gas Industry. Richard was formally a Senior

Lecture with The Petroleum Institute in Abu Dhabi, UAE. He also directed the Summer Internship program for Petroleum Engineers and was Academic Advisor for the Petroleum Engineering Department. His oil field experience includes 9 years as General Field Engineer for Schlumberger Wireline in California and South America. He progressed through a series of hands-on international positions from Field Engineer, Senior Field Engineer, General Field Engineer, Sales Engineer, Engineer Instructor and Manager.

## ABOUT COURSE

The Introduction to Drilling course will give participants a basic understanding of the processes and equipment involved in the drilling of oil and gas wells. It is intended for individuals who will be working closely with drilling departments within their companies. On each day, there will be a daily, instructor led presentation. The course material that is provided to each participant will contain sufficient attached notes to form a basic manual. To reinforce the learning opportunities there will be simple exercises requiring a basic understanding of mathematics.

FEE	1 PAX	3 PAX OR MORE
Per Person	USD 3795.00	USD 3495.00

**Early bird discount - Pay Online with Credit Card by 20<sup>th</sup> March to SAVE USD 300.00 per person**



### FOR ENQUIRIES

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## COURSE AGENDA

### DAY 1

#### Well Construction Overview

- Where drilling fits into the E&P process
- Drilling interaction with other domains
- Well construction group information
- Risks involved in well construction
- Roles and responsibilities of drilling team
- Rig types and main equipment used

### DAY 2

#### Well Design Overview

- Well planning/design process
- Typical time line for well planning/design
- Offset well analysis
- Well timing, costs, risks and AFE generation
- Impact of surface constraints in well design
- Impact of rig capability in well design
- Drilling fluid selection
- Basic Casing and Cementing

### DAY 3

#### Directional Drilling and Deviation Control

- Directional wells and their applications
- Deflection tools and directional BHAs
- Bit types, features and their application
- Log data and offset information
- Capabilities of steerable systems
- Geodetics and coordinate systems
- Wellbore surveying and target sizing

### DAY 4

#### Well Control

- Kicks: causes, prevention, detection
- Surface and underground blowouts
- Shallow gas significance
- Typical well control equipment including
  - Drilling BOPs
  - Wireline pressure control equipment
  - Christmas trees

### DAY 5

#### Well Execution and Operations

- Risk Management during drilling
- Casing, Logging, Cementing
- Typical drilling problems
- Stuck pipe, Kicks, Lost circulation
- Operational risks
- Real-time operations
- Applications of real-time monitoring
- Value of measurements
- Review and Final Exam



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