

# WELL TESTING OPERATIONS

04-08 Oct 2015, Dubai, UAE

## COURSE SYNOPSIS

An accurate, long-term projection about a reservoir cannot be made based only on wireline logs & other static techniques. Well Testing is the only technique studying a significant portion of the reservoir under dynamic conditions. Data acquired during Well Testing will be a solid reference to decide if the well is feasible to develop onto next phase of completion or even building the production facility.



## WHO SHOULD ATTEND?

This course should be attended by anyone who requires basic knowledge of Well-Testing Operations from oil & gas majors, contractors / service providers, drilling companies, financial institutions and banks.

Applicable Job Positions - Reservoir Engineer, Production Engineer, Drilling Engineer, Drilling Supervisor, Cross Training Supervisor, Geologist, Bidding Department, Junior to Intermediate Well Tester / New entrants to Well Testing, Tool pusher, Rig manager



### INSTRUCTOR :

**Abdillah Hakim**, has 15 years' of professional experience in Well Testing. He joined Schlumberger in 1998 as Well Test Supervisor

and Instructor at Schlumberger European Learning Center – France. He is highly qualified in HPHT Well Testing operations, DST, Testing Data Acquisition, MultiPhase Metering, Special Separator with coriolis. Since 2010 Abdillah has honed his expertise as a Well Test Engineer, Consultant and Instructor. He is a Certified Advanced Well Tester and Certified in Well Intervention and Pressure Control. Abdillah is a Member of International Well Control Forum.

By attending this course you will be equipped with the knowledge to evaluate if well testing data meet the expectation of being interpretable, accurate and reliable so as to make more efficient and effective decisions about completion design and production facility design. At the same time you will understand the objectives and principles of Well Testing, safety principles in testing jobs, understand testing equipment and how to operate them, as well as how to manage testing operations effectively and safely.

## Topics to be covered:

- Well Testing Objectives
- Drilling & Testing
- Pressure Operation Guideline
- Surface Well Testing
- Testing Data Acquisition
- PVT Sampling Operations
- DST Principles and operations
- Subsea Systems
- Data Quality Control
- Case study

FEE	1 PAX	3 PAX OR MORE
Per Person	USD 4195.00	USD 3895.00

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to SAVE USD 300.00 per person**



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# WELL TESTING OPERATIONS

04 - 08 Oct 2015 / Dubai, UAE

## COURSE AGENDA

### DAY 1

#### Introduction and HSE Briefing

- Introduction
- Course Objective
- HSE Induction
- Pre-course quiz

#### Introduction to Testing Services

- Testing & Drilling
- Life Cycle of a Well
- Type of Well Testing

#### Pressure Operation Guidelines

- Introduction & General Concept
- Pressure Testing
- Surface Pressure Barriers
- Velocity in lines
- Equipment Identification

#### Summary of day & Group exercise

### DAY 2

#### Introduction to DST

- DST concepts
- Basic Operations
- Type of DST
- Animations review

#### Subsurface tool

- Subsea tools
- Subsea operation & space out

#### Fluid Sampling

- Sampling theory
- Type of sample
- Phase behaviour

#### Summary of day & Group exercise

### DAY 3

#### Surface Testing Operations

- Testing overview
- Lay out & safety
- Equipment operation

#### Clean Up

- Duration of clean up
- Limitation of clean up
- Critical Flow
- Parameter of well clean

#### Summary of day & Group exercise

### DAY 4

#### Productivity test

- Oil well testing
- Gas well testing

#### Separator

- Separation principle
- Separator instrumentation & device
- Animation review

#### Oil Calculation

- Metering oil and calculation

#### Gas Calculation

- Metering gas & calculation

#### Summary of day & Group exercise

### DAY 5

#### Equipment selection & preparation

- Source of information
- Selection consideration

#### Data Acquisition

- Introduction to TDA
- Downhole Data Acquisition
- Surface Data Acquisition
- Downhole Realtime data Acquisition

#### Data Quality Control

- FOH Graphs
- Case study

#### Post Course Examination

#### Evaluation

- Training Evaluation

**Note:** The course will include theoretical and practical classroom sessions, presentations of well testing equipment, procedures and operations. Participants will be required to complete practical exercises as well as pre and post course tests to assess competency before and after the course.