WELL COMPLETIONS AND WORKOVER OPERATIONS

Thursday 15th - Friday 16th June, 2017

Course Overview

This course is designed to provide participants with up-to-date overview of the well completion and workover operations. The course covers the main factors influencing completion design, the overall approach to a well flow capacity, the major types of completion configurations, the main phases in completion, the drilling and casing of pay zone, evaluating and restoring cement job, perforation, treatment the pay zone, horizontal well completion, general configuration of flowing well equipment, production wellhead, production string or tubing, packers, downhole equipment, subsurface safety valves, servicing & workover operations on killed wells, servicing & workover special cases and well stimulation.

WHO SHOULD ATTEND

This course has been designed for a broad audience: new entrance into oil & gas industries, completion supervisor, drilling supervisor, drilling engineer, technical and non-technical new entrants into Oil & Gas industry, junior level engineering staff, non-engineering and non-technical staff, and managers looking to broaden their E&P knowledge of other departments and companies within the Oil Industry.

What you will gain:

- Completion models for various type of well geometry
- Completion and workover best practices methodology
- Workover types/categories
- Detailed workflows for various workovers

Learning Outcomes

- Establish a thorough understanding of basic design consideration of well completion methods.
- Select equipment based on design criteria in completion & workover programs.
- Explain the overall approach to a well’s flow capacity.
- Describe the general configuration of flowing well equipment.
- Illustrate the major types and phases of well completion.
- Analyze the drilling and casing the pay zone.
- Illustrate the production wellhead.
- Analyze production wellhead and production string or tubing.
- Describe the basic steps involved in the design of a routine work over procedure

Training Venue

3, Adekola Balogun Street,
Maruwa Round About B/Stop
Lekki, Lagos

Contact Information

info@havilahenergy.com
www.havilahenergy.com
08034636098 | 08186091418
Course Outline

This course will be delivered through multi-media presentations, case studies, exercises and discussions. A detailed reference manual would be provided for continuous learning and sharing. The class size would ensure effective interaction.

Day 1

KEY CONCEPTS

- Introduction
- Completion Design Process
- Safety, Regulations, Risk & Uncertainty
- Reservoir and Fluids
- Wellbore and Downhole Completion Equipment Overview

COMPLETION/WORKOVER DESIGN

- Well Performance and Testing Basics
- Tubing and Completion Material Design
- Well Intervention Planning
- Service and Workover Rigs Overview
- Completion and Workover Fluids
- Formation Damage
- Perforating and Gun Performance

COMPLETION TYPES

- Typical Upper Completion:
  - Casing and Tubing Selection
  - Packers
  - Wellheads and Xmas trees
  - Accessories
  - Safety Valves
  - Running Completions
  - Artificial Lift
  - Multilaterals
- Typical Lower Completions:
  - Introduction to Sand Control
  - Gravel Pack Design
  - Perforations
- Production Operations:
  - Stimulation
  - Acidizing, Fracturing
  - Surface Facilities
  - Production Logging

Day 2

COMPLETION AND WORKOVER

- Completion and Workover methodology
- Risk management
- Well problems and well control
- Cement bond logs
- Perforating
- Sand control management
- Cement squeezing - workover
- Acidizing - workover
- Workover Rigs
- Coiled tubing
- Fishing
- Completion management
- Cased Hole operations
- Artificial Lift systems

WELL CONTROL AND WELL WORKOVER

- Well Control:
  - Well control Equipment
  - Blowout Preventer System Requirements
  - Choke Manifold
  - Circulating System
  - Kicks and its causes
  - Well Killing Operation
  - Forward circulation
  - Reverse circulation
  - Bull heading
  - Lubricate and Bleed
  - Class exercises on well control
- Workover Operations:
  - Workover definition and description
  - Workover Types:
    - Safety Workover (SWO)
    - Long term suspension (LTS)
    - Plug and Abandonment (P&A)
    - Production enhancement (PE)
Gbenga Emmanuel Adeyemi is a seasoned Petroleum Engineer with experience spanning more than 35 years in the oil and gas industry notably spending 27 of those years with Shell Nigeria & International, having retired in 2004 as a manager, Production Planning and Operations. He has extensive knowledge and expertise in drilling operations rising to a Senior Drilling Engineer/Supervisor while handling a lot of drilling projects and applying various initiatives in significant cost reductions. He has attended numerous technical and commercial courses locally and internationally and also spent a lot of time at the Shell Training School developing and mentoring students and staff alike. He now provides drilling consultancy and advisory services for a number of independent & marginal field operators.

**Course Instructor**

**Price:** N75,000

Registration is complete upon payment

**Included in the price:**

- Tuition, course materials, lunches and refreshments

**Discounts:** *(One Discount Per Booking Only)*

- N25,000 discount (N50,000 price) if delegates book before 1st June, 2017
- Group discount for delegates from the same company: 5 for the price of 4

Payment can be made to the details below;

**ACCOUNT NAME:** HAVILAH HYROCARBON RESOURCES MANAGEMENT NIGERIA LIMITED
**BANK NAME:** DIAMOND BANK PLC,
**ACCOUNT NUMBER:** 0063618735

Terms

Payment is on registration and placement on the programme are only guaranteed with payment. If you have to cancel your place the following policy will apply: cancellation within 1-14 days of the programme start 100% charge; 15-30 days 50% charge; 31+ days 10% charge. Your colleague can take your place subject to a 10% administration charge. Havilah Hydrocarbon Resources Mgt. (Nig.) Ltd is not liable for any costs incurred by delegates in the unfortunate event that the course is cancelled. Delegates are responsible for arranging their own travel and accommodation and associated costs. Havilah Hydrocarbon Resources Mgt. (Nig.) Ltd reserves the right to change or cancel any part of the published programme due to unforeseen circumstances.

**www.havilahenergy.com**