

# COMPLETIONS

**Equipment, Applications, Types, Installation & Workovers**

**16 – 18 January 2012, Kuala Lumpur**



## **Expert Faculty - Gordon Duncan**

Practicing completions & well services professional with 30 years of oilfield experience from careers in Petro-Canada, Santos, Shell EP International, Petroleum Development Oman (PDO) and BP.

What others have said about Gordon's previous training courses with PetroEdge

"Gordon's 1<sup>st</sup> hand experience gave one practical insights to solving some of my well integrity challenges"  
- Talisman Malaysia

"Good job! Gordon knows his subject very well!"  
- Weatherford Middle East

"Very good course. Gordon knows what he is talking about. Not a broken arrow"  
- Talisman Malaysia

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Petroleum Geoscience Conference & Exhibition



# COMPLETIONS

## Equipment, Applications, Types, Installation & Workovers

16 – 18 January 2012 Kuala Lumpur, Malaysia

### Course Introduction

This intensive three-day course is designed to provide participants with a thorough knowledge of completion equipment and operational procedures required for converting a drilled well into an efficient and safe producer. It follows a practical approach for the various completion types, specific applications, completion installation and workovers.

### Course Objectives

To enable participants to understand the different types of completions as well as the applications for specific completion equipment including installation and workover methods. After completing this course you should be able to:

- ❖ List well data needed for well completion activities
- ❖ Illustrate different types of completions
- ❖ Describe the application of different completion fluids
- ❖ Prepare a list of down hole and surface completion equipment
- ❖ Describe the procedure for running a completion
- ❖ Describe different methods of well workovers
- ❖ Identify wellheads, trees, valves and chokes
- ❖ Illustrate subsurface safety valve design, selection and operation
- ❖ Explain packer selection and forces on packers
- ❖ Describe landing nipples and plug

### Who Should Attend

Drilling, Completion, Intervention, Well Site Leaders, Drill Site Manager, Well Site Manager and related Industry Personnel

### About Your Expert Trainer: Gordon Duncan



Gordon has over 30 years of experience in the oil & gas industry. During that time he has worked exclusively in well intervention and completions. After a number of years working for intervention service companies (completions, slickline & workovers) he joined Shell as a well service supervisor. He was responsible for the day to day supervision of all well intervention work on Shell's Persian/Arabian Gulf platforms. This included completion running, coil tubing, e-line, slickline, hydraulic workovers, well testing and stimulation operations. An office based role as a senior well engineer followed. He was responsible for planning, programming and organising of all the well engineering and intervention work on a number of fields in the Middle East. He had a brief spell as a Site Representative for Santos in Australia before joining Petro-Canada as Completions Superintendent in Syria, then moved to Australia as Completions Operations Superintendent for Santos, before returning to Shell as Field Supervisor Completions and Well Interventions in Iraq. In addition to his day to day work, Gordon regularly teaches Completion Practices, Well Intervention, Well Integrity and Reporting & Planning courses all over the world.

### Current and more recent assignments include the following:

- Field Supervisor CWI for Majnoon Project in Iraq, potentially 1600 well project.
- Completions Operations Superintendent for Santos responsible for 4 Rigs, 2 Frac spreads, 2 CTU Units and various rigless operations, in excess of 300 major interventions per year.
- Involved in rig assist Frac Operations in the 3<sup>rd</sup> largest CSG Field in the World.
- Carrying out new technology analysis study for HFR Geo Thermal Wells
- Have also been on loan to a number of "Coded Projects" in Middle East for the purposes of preparing Wells Functional Specifications and Technical Specifications for OCTG's, Wellheads, Completion Equipment and all aspects of Well Services (Coil, Slickline, Well Testing etc)
- Utilised as a Regional Technical resource for input on Completions, Well Services & Well Integrity within the Middle East on behalf of Shell EPM.
- Carried out a Global Support role reviewing Special projects, troubleshooting non-routine operations and acting as a Global Well Integrity Expert
- Was actively involved in delivery of Distance Learning Support to newly recruited Well Service Engineers.

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### 3 – Day Course Agenda

#### Day One

##### Applications

This session will cover Completion Types:

- Upper and Lower completions.
- Definitions.
- Tubing Architecture.
- Sand Control Completions
- Horizontal Completions
- Multi-Lateral & Intelligent Completions.

##### Types of Downhole Completion Equipment.

This session will cover all of the common types of equipment used in completions.

- What is the function of each component?
- Why it is run.
- Is it essential?
- Is it safety critical?
- What problems might be encountered during the installation of each item of equipment?
- Reliability/operability concerns.

#### Day Two

##### Types of Surface Completion Equipment.

During this session we will cover surface equipment that is used during well completions.

- Wellheads, tubing hangers and trees.
- Chokes
- Surface safety valves
- Remote shut down systems.
- Flange and gasket classification.

##### Running the Completion (Installation)

During this session we will look in detail at the processes and practices used when running a completion.

- Off site preparation
- Rig site preparation.
- Running the completion.

#### Day Three

##### Workovers

This session will give an understanding of workover operations and you will:

- Be able to describe the common applications for workovers.
- Understand workover well control issues
- Understand the main problems associated with workover.

##### Exercises/Discussions on actual cases

Learn what previous participants have commented about this course in 2010!

- ❖ Gain knowledge from trainer – vast experience.
- ❖ Very good experienced instructor.
- ❖ It is really a good training. The instructor has very good experience and he can effectively share to us in the interesting manner.

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# REGISTRATION FORM

<b>Kuala Lumpur, Malaysia 16 – 18 January 2012</b>	<b>Early Bird Price</b> ✓	<b>Normal Price</b> ✓	<b>TEAM DISCOUNTS</b>
<b>3 Days – Completions: Equipment, Application, Types, Installation &amp; Workovers</b>	<b>S\$ 3499</b>	<b>S\$ 3699</b>	PetroEdge recognises the value of learning in teams. Group bookings at the same time from the same company receive the following:  3 or more at 5% off 5 or more at 7% off 8 or more at 10%
<b>PetroEdge In-house Training Solutions</b>  { } Yes, I would like to organise this training on-site and save over 25% of total course fees! For further information about On-site Solutions, please call +65 67419927 or email info@asiaedge.net			<b>Team discounts are exclusive of Early Bird discounts or other promotions.</b>

## DELEGATE DETAILS

Delegate 1:

Mr  Mrs  Ms  Dr  Other

\_\_\_\_\_

Telephone: \_\_\_\_\_

Job Title: \_\_\_\_\_

Department: \_\_\_\_\_

Email: \_\_\_\_\_

Delegate 2:

Mr  Mrs  Ms  Dr  Other

\_\_\_\_\_

Telephone: \_\_\_\_\_

Job Title: \_\_\_\_\_

Department: \_\_\_\_\_

Email: \_\_\_\_\_

Head of Department: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Country: \_\_\_\_\_

Postcode: \_\_\_\_\_

Attn Invoice to: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

### Please note:

- indicate if you have already registered by Phone  Fax  Email  Web
- if you have not received an acknowledgement before the training course, please call us to confirm your booking.
- photocopy this form to register multiple delegates.

### Payment Methods:

By Cheque/ Bank Draft: Make Payable to Asia Edge Pte. Ltd.  
By Direct Transfer: Please quote AE1 with the remittance advise  
Account Name: Asia Edge Pte. Ltd.  
Bank Number: 508 Account Number: 762903-001Swift Code: OCBCSGSG  
All bank charges to be borne by payer. Please ensure that Asia Edge Pte Ltd receive the full invoiced amount.

**PAYMENT POLICY:** Payment is due in full at the time of registration. Full payment is mandatory for event attendance. I agree to Asia Edge Pte Ltd. payment terms

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