

## *Courses and Registration*

### *A Holistic Approach to Ensuring Fluid Production from Reservoir to Sales Meter*

**Tuesday, 2 December • 0900-1600 hours • Room 307, Kuala Lumpur Convention Centre**

**Instructors: Jamal Jamaluddin, Schlumberger and Shah Kabir, Chevron**

**Fee: Members: US\$550; Non-Members: US\$650**

**CEU: 0.7 CEUs (Continuing Education Units/7 hours) will be awarded for this course.**

In this short course, we will introduce and classify elements of flow hindrance influencing the basis of well design, instrumentation, and operation. Although these elements are essential for field development planning in challenging deepwater environments, they are equally applicable to onshore and shallow-water operations. We will elaborate characterization and interpretation techniques, and show management approaches through field examples from various arenas around the world.

#### **1. Introduction and Classification**

- a. Fluids, organic and inorganic solids
- b. Heavy oil and emulsion
- c. Fluid-flow and heat-transfer in wellbores
- d. Erosion, corrosion, foam and soaps

#### **2. Fluid Sampling and Characterization**

- a. Collecting representative sample
- b. Oil-based mud contamination and its influence on fluid properties
- c. Organic solids characterization methodologies

#### **3. Fluid Flow and Heat Transfer in Wellbores and Flowlines**

- a. Resurrecting flow in self-flowing wells (conditions for a dead well)
- b. Computing flow rate from temperature data and identifying flow hindrance using DTS information
- c. Understanding fluid flow and heat transfer issues in designing flowlines

#### **4. Production Monitoring**

- a. Diagnosis of reservoir performance w/pressure/rate monitoring
- b. Well testing with multiphase meters and detection of flow impediments

#### **5. Integrated Asset Modeling**

- a. Issues w/handling multiple gas/condensate fields with integrated-asset modeling approach
- b. Commingling gas and oil from stacked reservoirs and the consequent asphaltene instability

#### **About the Instructors:**

**Jamal Jamaluddin** is an advisor of fluids and flow assurance at Schlumberger's Deepwater Technology Hub in Kuala Lumpur, Malaysia. Before joining Schlumberger in 1998, he worked in various positions both at Noranda Technology and Hycal Energy Research Laboratories in Canada. He is an active SPE member having served on various committees, including those of ATWs and Forum Series. He also served as an SPE distinguished lecturer during 2004–2005. He holds five patents and has coauthored over 60 papers, three of which received the best paper awards. Jamaluddin holds MSc and PhD degrees from the U. of Calgary.

**Shah Kabir** is a Consulting Reservoir Engineer at Chevron Energy Technology Company in Houston. He has more than 30 years of experience in the oil industry with the last 18 of these at Chevron. His experience includes pressure-transient testing, wellbore fluid- and heat-flow modeling, and reservoir engineering. He has published more than 100 papers and two books, including the 2002 SPE text *Fluid Flow and Heat Transfer in Wellbores*. He has served on the SPE editorial review committee of several journals and has received multiple commendations as an outstanding technical editor. He was 2006-2007 SPE distinguished lecturer and became a distinguished member in 2007. He holds an MS degree in chemical engineering from the U. of Calgary, Canada.

### *Managing Your Business Using PRMS*

**Tuesday, 2 December • 0900-1700 hours • Room 308, Kuala Lumpur Convention Centre**

**Instructor: John Etherington, PRA International**

**Fee: Members: US\$550; Non-Members: US\$650**

**0.8 CEUs (Continuing Education Units/8 hours) will be awarded for this course**

The Petroleum Resources Management System (PRMS) guidelines were jointly developed by the Society of Petroleum Engineers (SPE), the World Petroleum Council (WPC), the American Association of Petroleum Geologists (AAPG), and the Society of Petroleum Evaluation Engineers (SPEE). This course discusses how companies are implementing PRMS to better manage their business.

The course includes:

- background to the revision project
- basic principles and key guidelines in PRMS
- support of resources project and portfolio management
- integration with regulatory reserves disclosures
- hybrid deterministic/probabilistic assessments
- accommodating unconventional resources
- improving quality assurance/quality control in resource evaluations
- interface with mineral classifications and evolving accounting standards

This course is the first of a series of training modules endorsed by the Joint Committee for Reserves Evaluator Training (JCRET) and provides continuing education credits (CEU's).

#### About the Instructor:

**John Etherington** is Managing Director of PRA International Ltd., a Calgary-based consulting firm advising industry on resources assessment, reserves disclosures, and portfolio management processes. He previously spent over 32 years with Mobil Oil in Canada, USA, and international Exploration and Producing assignments including five years in Mobil's central resources audit group.

John served on the SPE Oil and Gas Reserves Committee with primary responsibility for the 2006 Mapping of major international petroleum resources classification systems and the 2007 PRMS project. He also coordinated SPE's interface with the United Nations Framework Classification and the International Accounting Standards Board's Extractive Activities projects. He was an SPE Distinguished lecturer in 2005/6, has presented papers on resources evaluation issues at AAPG, EAGE, and SPE conferences, and conducted training for over 600 geoscientists and engineers from 30 countries.

**If attendances is not sufficient for either courses by 20 October, IPTC reserves the right to cancel the course.**

### Course Registration Form 2 December 2008 Kuala Lumpur, Malaysia



Membership, please check all that apply.

Sponsoring Organisations:

AAPG  EAGE  SEG  SPE  GPA

Endorsing Organisations:

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**Payment Options**

Bank Transfer  US\$ Cheque

Check made payable to:  
Society of Petroleum Engineers

**Credit Card:**

American Express  Diner's Club  
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CREDIT CARD NUMBER EXP DATE

CREDIT CARD BILLING ADDRESS  
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SIGNATURE

#### TWO WAYS TO REGISTER

Online at [www.iptcnet.org/2008](http://www.iptcnet.org/2008) Or Fax this form to: +60.3.2282.1233

#### CANCELLATION POLICY

Cancellations received by 20 October 2008 will be refunded less US\$125.  
Cancellations after 20 October are not entitled to a refund.