



Society of Petroleum Engineers

TECHNICAL PROGRAMME COMMITTEE

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INPEX

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Sarawak Shell Bhd.

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Production Inc.

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Oil & Natural Gas Corp. Ltd.

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TOTAL E&P

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PETRONAS Research Sdn. Bhd.

Preben Randhol
SINTEF Petroleum Research

Vamegh Rasouli
Curtin U.

Haakon Roed
Schlumberger

Brent Sinanan
HESS Corp.

Liane Smith
Intetech Wells Ltd.

Simon Sparke
Tullow Oil plc

WELL INTEGRITY—FROM CONSTRUCTION TO ABANDONMENT

3-6 October 2010 • Miri Marriott Resort & Spa, Miri, Sarawak, Malaysia

WORKSHOP DESCRIPTION

Maintaining well integrity from well construction through abandonment has become a major concern for operators worldwide. The maintenance of an increasingly aging wellstock and the higher cost associated with new wells makes well integrity a critical element of asset lifecycle management.

Subsea, HPHT, acid gas and geological complex reservoirs create significant challenges for establishing and maintaining well integrity during drilling, completion, and production. Factors such as wellbore instability, corrosion, cement bond deterioration, expansion/contraction, and changing pressure envelopes to name a few all contribute to compromised well integrity. Consequently, flow assurance throughout the life of an asset can only be achieved with an effective integrity management system.

Assessing the integrity of existing wellbores is crucial for optimizing productivity and adding value. Through careful well design, continuous monitoring, and re-use of existing wellbores, the life of wells can be extended, operating costs reduced and reliability improved.

WORKSHOP FOCUS AND OBJECTIVES

This Applied Technology Workshop will provide excellent networking opportunities for sharing of latest technologies and its deployment, applications and best practices. Among the topics and issues to be discussed are:

- Understanding of well integrity in different phases in operations.
- Latest information on well design, construction, completion and abandonment.
- New developments and experiments.
- Best practices and current knowledge of well integrity management.

WHO SHOULD ATTEND

The intended audience of this Workshop is engineers who are involved in well construction, drilling, completion, production, well intervention and safety. The workshop hopes to attract a balanced mix of disciplines to enhance the exchange of information, ideas and technologies.

Participants will be encouraged to present their case histories (successes, failures and lessons learnt) and other experiences for discussion.

EARLY BIRD REGISTRATION DEADLINE: 3 AUGUST 2010

REGISTRATION DEADLINE: 3 SEPTEMBER 2010

REGISTER EARLY TO SAVE RM 340 (US\$100)!

Documentation:

1. Proceedings will not be published; therefore, formal papers and handouts are not expected from speakers.
2. Work in progress, new ideas, and interesting projects are sought.
3. Professionally-prepared visual aids are not required; handwritten viewgraphs are entirely acceptable.
4. Note-taking by participants is encouraged. However, to ensure free and open discussions, no formal records will be kept.

Workshop Deliverables:

- The committee will prepare a full report containing the highlights of the Workshop discussions. This report will be circulated to all attendees. A one-page summary will be prepared by the Workshop Co-Chairperson, which will be posted on the SPE Web Site, and published in the Journal of Petroleum Technology (JPT), if space permits. The copyright of the summary report will belong to SPE.
- PowerPoint presentation materials will be posted on a specific SPE URL address after the Workshop. Provision of the materials by the discussion leaders will signify their permission for SPE to do so.

Commercialism:

In keeping with ATW objectives and the SPE mission, excessive commercialism in posters or presentations will not be permitted. Company logos must be limited to the title slide and used only to indicate the affiliation of the presenter and others involved in the work.

Registration Fees:**Early Bird Registration Deadline: 3 August 2010**

- **SPE MEMBER : RM7,990.00 (US\$2,350.00)/person on/before 3 August 2010**
- **NONMEMBER : RM8,330.00 (US\$2,450.00)/person on/before 3 August 2010**

Registration Deadline: 3 September 2010

- **SPE MEMBER : RM8,330.00 (US\$2,450.00)/person after 3 August 2010**
- **NONMEMBER : RM8,670.00 (US\$2,550.00)/person after 3 August 2010**

Fee includes the following:

- Three-day registration fee for all Workshop sessions;
- Four nights accommodation based on single occupancy with arrival Sunday, 3 October 2010 and departure Thursday, 7 October 2010;
- Welcome reception followed by dinner (Sunday evening);
- Three meals per day except on Tuesday;
- Daily coffee/tea breaks;
- Workshop Workbook and Certificate of Continuing Education Units (CEU).

Note: Registration fee does not include hotel accommodation and meal costs for additional family member(s).

Registration Policy:

- Registration fee **MUST** be paid in advance for attending the Applied Technology Workshop.
- Full fixed fee is charged regardless of the length of time that the registrant attends the Workshop.
- Fixed fee cannot be prorated or reduced for anyone (Workshop chairpersons, committee members, speakers, discussion leaders, students and registrants).
- Workshop is designed to be fully residential. Attendees are expected to attend all Workshop sessions and are not permitted to attend on a partial basis.

Cancellation and Refund Policy:

- A full refund less **RM510.00 (US\$150.00)** processing fee will be charged for cancellation received before the registration deadline **3 September 2010**.
- For cancellation received after the registration deadline **3 September 2010**, 25% refund will be made to the registrant.
- No refund on cancellation received seven (7) days prior to the starting of the Workshop date, on or after **26 September 2010**.
- Substitutions will not be accepted without prior Programme Committee approval.
- **No refund** will be issued if a registrant fails to show up at the Workshop on-site.

Attendance Certificate:

All attendees will receive an attendance certificate attesting to their participation at the Workshop. This certificate will be provided in exchange for a completed Workshop Questionnaire.

Continuing Education Units:

This Workshop qualifies for SPE Continuing Education Units (CEU) at the rate of 0.1 CEU per hour of the ATW.

Workshop Venue:**Miri Marriott Resort & Spa**

Jalan Temenggong Datuk Oyong Lawai

P.O. Box 1145

88100 Miri, Sarawak

Malaysia

Tel: 60.85.421.121 • Fax: 60.85.402.855

Website : <http://www.marriott.com/myymc>

Attendees' Information:

General and detailed accommodation information will be forwarded to registrants with the attendee package prior to the scheduled Workshop in August 2010.

Dress Code:

Casual clothing is recommended. The Workshop atmosphere is informal.

Transportation/Visa:

Delegates are advised to book their international/domestic airline tickets early from their country/city to Miri, Sarawak, Malaysia. Further detailed transportation information will be available and included in the attendee package, which will be sent to registrants in August 2010.

All travellers to Malaysia must be in possession of passports valid for at least six (6) months with proof of onward passage, either return, or through tickets. Contact your local travel agent for information on visa requirements to Malaysia.

ATTENTION NON-MEMBERS:

**JOIN SPE DURING THIS WORKSHOP AND RECEIVE
YOUR FIRST YEAR'S MEMBERSHIP FREE!
SUBMIT YOUR MEMBERSHIP APPLICATION ONSITE!**

WELL INTEGRITY—FROM CONSTRUCTION TO ABANDONMENT**Preliminary Daily Activities Agenda**

Note: While every attempt will be made to adhere to the schedule, the status/availability of session topics, discussion leaders and moderators are subject to change. For updated technical information, please visit SPE website at www.spe.org/atws.

Sunday, 3 October 2010

9:00 a.m. – 12:00 p.m.	Programme Committee Meeting
3:00 p.m.	Hotel Check-In
4:00 p.m. – 6:00 p.m.	SPE Registration & Poster Set-Up
6:00 p.m. – 7:00 p.m.	Session Managers/Moderators and Discussion Leaders Meeting
7:30 p.m. – 9:30 p.m.	Welcome Reception/Dinner

Monday, 4 October 2010

7:30 a.m. – 8:30 a.m.	Breakfast
8:30 a.m. – 9:30 a.m.	Session 1: Introduction/Opening/Keynote Address
9:30 a.m. – 10:00 a.m.	Group Photo/Coffee Break
10:00 a.m. – 12:00 p.m.	Session 2: Case Studies in Well Integrity from Construction to Abandonment
12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 3:00 p.m.	Session 3: Well Design for Well Integrity
3:00 p.m. – 3:15 p.m.	Coffee Break
3:15 p.m. – 5:15 p.m.	Session 4: Well Construction and Initial Completion
5:15 p.m. – 6:15 p.m.	Session 5: Poster Session
7:00 p.m. – 8:30 p.m.	Group Dinner

Tuesday, 5 October 2010

7:30 a.m. – 8:30 a.m.	Breakfast
8:30 a.m. – 10:30 a.m.	Session 6: Well Integrity in Production Phase
10:30 a.m. – 10:45 a.m.	Coffee Break
10:45 a.m. – 12:45 p.m.	Session 7: Well Integrity during Intervention
12:45 p.m. – 1:45 p.m.	Lunch
Afternoon	Rest & Recreation/Networking Opportunities/Dinner on own

Wednesday, 6 October 2010

7:30 a.m. – 8:30 a.m.	Breakfast
8:30 a.m. – 10:30 a.m.	Session 8: Experimental and Numerical Approaches in Well Integrity
10:30 a.m. – 10:45 a.m.	Coffee Break
10:45 a.m. – 12:45 p.m.	Session 9: Well Integrity at Abandonment
12:45 p.m. – 1:45 p.m.	Lunch
1:45 p.m. – 3:45 p.m.	Session 10: Well Integrity Management Processes
3:45 p.m. – 4:00 p.m.	Coffee Break
4:00 p.m. – 5:15 p.m.	Session 11: Well Integrity in Unconventional Operations
5:15 p.m. – 5:45 p.m.	Session 12: Summary and Wrap Up
6:30 p.m. – 8:30 p.m.	Group Dinner

Thursday, 7 October 2010

7:00 a.m. – 10:00 a.m.	Breakfast at Leisure
12:00 p.m.	Hotel Check-Out

WELL INTEGRITY—FROM CONSTRUCTION TO ABANDONMENT**Poster Solicitation and Information**

As an adjunct to the scheduled presentations, the Programme Committee will incorporate a poster presentation session in this Workshop. The poster session will allow participants an opportunity to present additional new ideas to those interested. The poster session is scheduled from **5:15 p.m. – 6:15 p.m.** on **Monday, 4 October 2010.**

All participants are encouraged to prepare and bring a poster presentation to the Workshop. Posters will be on display for the entire Workshop period and provide participants an excellent opportunity for networking. As with the session discussions, the poster session will be conducted off the record to encourage frank discussion and presentation of unconfirmed or partial results. Presentations on both research and field experience are solicited.

SPE WORKSHOPS AND COMMERCIALISM

The Workshop Programme Committee has a stated policy against the use of commercial trade names, company logos, or language that is commercial in tone.

Note that the Workshop Programme Committee will review all posters prior to display, and reserves the right to refuse permission to display any poster considered by the committee to be commercial in nature.

The poster display should be designed for eye-level viewing and made from simple graphic materials. Size of the poster board will be advised at a later time. The poster display may include printed materials, tables, graphs, photographs, or illustrations. All the materials should be of sufficient size so as to be easily read and should be prepared in a manner that will accomplish the following:

- Identify topic by title, presenter, affiliation, address, and phone number.
- Include a brief abstract that summarises the technology to be addressed.
- Make the display as self-explanatory as possible.
- Place the information sequentially; beginning with the main idea or problem, method used, result, etc. (Draw a plan keeping the size and number of illustrations in mind).
- Keep illustrations simple by using charts, graphs, drawings, and pictures to create interest and visually explain a point.
- Use contrasting colours.
- Use large print for narrative materials. (We suggest a minimum of 24 points or 3" high letters for the title).

Whether or not you elect to participate in the poster session or have been invited by the Programme Committee to present during one of the regular sessions, please come prepared to participate actively in the discussions. Open interaction is encouraged. With the full cooperation and participation of all attendees, we anticipate an outstanding Workshop.

WELL INTEGRITY – FROM CONSTRUCTION TO ABANDONMENT**Registration Form**

Please Print or Type in Black Ink

SPE Member: Yes Membership No. _____ NoName: _____
(First/Forename) (Middle) (Last/Family Name)

Position: _____

Company: _____

Address: _____

Town/City: _____ Zip/Postal Code: _____ Country: _____

Tel: _____ Fax: _____

Email: _____

Would you be willing to give a brief (10 minutes) presentation _____ (Yes/No) or a poster presentation _____ (Yes/No)?

If yes, please provide a title and a detailed description of the presentation in the space below (use additional paper if required). One of the Programme Committee members will contact you to discuss your presentation.

Important: Registrants for SPE Applied Technology Workshops are accepted on the basis of information submitted by each registrant.**Technical Disciplines (Check One)**

- Drilling and Completions Health, Safety, Security, Environment and Social Responsibility
 Management and Information Production and Operations
 Projects, Facilities and Construction Reservoir Description and Dynamics

Primary Responsibility (Check One)

- Drilling Economics Geology Geophysics Management
 Operation Production Reservoir Surveillance Other _____

List background and experience. (Use additional paper if required).

List your expectation for the Workshop, so that the committee can tailor a portion of the Workshop to answering attendees' concerns. (Use additional paper if required).

REGISTRATION FEE: (Please select appropriate box)**Early Bird Registration Deadline: 3 August 2010** **SPE MEMBER: RM 7,990.00 (US\$2,350.00)/person on/before 3 August 2010** **NONMEMBER: RM 8,330.00 (US\$2,450.00)/person on/before 3 August 2010****Registration Deadline: 3 September 2010** **SPE MEMBER: RM 8,330.00 (US\$2,450.00)/person after 3 August 2010** **NONMEMBER: RM 8,670.00 (US\$2,550.00)/person after 3 August 2010**Fee includes workshop registration, workbooks, certificate, 4 nights **SINGLE** accommodation with daily breakfast, 1-welcome reception/dinner, 3 luncheons, 2 of dinners and daily coffee breaks.**PAYMENT BY CREDIT CARD**

Credit Card Payment will be in U.S. Dollars only

- American Express Master Card
 Visa Diners Club

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Card Number

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Exp. Date

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CVV Code

(CVV code is the 3 digit code on back of VISA/MasterCards and the 4 digit code on the front

American Express.)

PAYMENT BY CHEQUE

- Malaysian Ringgit Cheque to **SPE-Asia Pacific (M) Sdn. Bhd.**
 U.S. Dollars Cheque to **Society of Petroleum Engineers.**

Payment Enclosed (Check No. _____)

Signature (as appear on your credit card) _____

Name as it appears on Card _____

Billing address of Card _____

Zip/Postal Code of Card _____

Note: Forms will not be processed and space cannot be guaranteed unless accompanied by payment for total amount due.**CANCELLATION POLICY:**

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- Substitutions will not be accepted without prior Programme Committee approval.
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THIS FORM MAY BE USED AS A COMPANY INVOICE

Mail completed registration form with remittance and any supporting material to:

Society of Petroleum Engineers

Suite 23-02, Level 23, Centrepoint South, Mid Valley City

Lingkaran Syed Putra, 59200 Kuala Lumpur, Malaysia

Tel: 60.3.2288.1233 • Fax: 60.3.2284.9220 • E-mail: spekl@spe.org

**To submit your registration online, please visit the
 SPE Web Site at www.spe.org
 The online payments are secured by VeriSign
 (Credit Card Registration Only)**

