SPE Global Integrated Workshop Series: Managing Well Integrity in a Low Cost Oil Environment

The global well population is growing, energy demands are increasing and value challenge of new and existing developments on all frontiers are present in current market. The current tight margins and the accompanying budget restrictions along with the introduction of several regulatory updates are believed to be a formidable challenge to the industry.

The challenges are universal and all operators need to address the growing issues. These include, but are not limited to:

- Well integrity management of aging brownfields
- Extending the well life cycle while effectively maximising production and return
- Addressing the growing abandonment liabilities and associated costs
- Ensuring transparency to key stakeholders that well integrity issues are being addressed

These aging asset issues can be compounded by known factors such as corrosion, fatigue, and subsidence, but their resolution in a low cost environment with more prescriptive regulations will require a collaborative effort to advance. For the industry to flourish, the global workforce must embrace well integrity, increase awareness of the issues, and build technical competence to proactively address issues.

The event objective is to embrace the above topics with presentations around best practices and case histories with breakout sessions that provide discussion in greater detail to get a coherent understanding of the challenges. These may lead to new technology development or new applications of existing technologies.

Workshop Objectives and Deliverables

This workshop has been designed to maximise opportunities for networking, knowledge sharing, and learning. The event includes four half-day sessions concentrating on well integrity with a deeper review of design, diagnostics, repair, risk assessment and mitigation, risk management, lessons learnt, and P&A.

Each session will begin with selected presentations, followed by the opportunity for detailed discussions, case studies, and group work activities. Building on successes and opportunities of collaboration of O&G producers, service providers, and regulators with a clear roadmap to the future to improve overall well integrity management of wells.

WHO SHOULD ATTEND

This workshop is a limited attendance meeting for up to 150 delegates, designed for professionals in the oil and gas industry who are involved in the well’s life cycle management. The sessions will explore well integrity over the life cycle which includes well planning, design, construct, operation, intervention, maintenance, and abandonment.

The workshop hopes to attract a balanced mix of regional operators, service providers, regulators, and other disciplines to enhance the exchange of information, ideas, and technologies.

REGISTER BY 8 APRIL 2016 TO AVOID LATE FEES

COMMITTEE MEMBERS

Jamal Ashhab
Co-Chairperson
ZADCO

Eric P. Deliac
Co-Chairperson
Oxand

Richard Leturno
Co-Chairperson
Wild Well Control

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ADMA-OPCO

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SNOC

Simon James
Schlumberger

Morten Kvernvold
ScanWell Technology

Tatyana Nevskaya
Archer

Sherif Refaat
Archer

Liane Smith
Wood Group Intetech
SCHEDULE

MONDAY, 23 MAY 2016
0830–0900 | Welcome Coffee and Collection of Badges and Delegate Packs
0900–0910 | Hotel Safety Briefing and Welcome from Co-Chairs
0910–0930 | Keynote Speech
0930–1100 | Session 1: Technical Integrity Design and Well Construction/Completion
   Session Chairs: Jamal Al-Ashhab, ZADCO; Paul Hazel, Walltec

What guarantees an operator that they are effectively designing a 25, 30, or 40 year well when planning a greenfield? If well integrity is truly a cradle to grave activity, then robust design is imperative. This session will explore the first step (Cradle) to ensuring that a well is designed appropriately from a well integrity perspective. The topics to be explored may include:

• Basis of Design (BoD) Design Components—Drilling Phase
• Basis of Design (BoD) Design Components—Completion Phase
• Basis of Design (BoD) Design Components—Drilling Phase
• Basis of Design (BoD) Criteria for Setting Life Expectancy and How it is Monitored
• Life Cycle Production Assumptions (Hydrocarbon, Water, H2S, CO2, Sand, etc.)
• Mid-Life Cycle Corrections to Projected Well Life

Early phase design and risk mitigation is vital in planning wells, as to ensure the well’s longevity. Implementing design choices to boost the well’s safety performance in addition to its financial robustness should be scrutinised in the design phase. Throughout the lifetime of the well, challenges could be met in terms of barrier integrity, annulus pressure monitoring and management, production optimisation, and structural integrity.

1100–1130 | Coffee Break and Group Photo
1130–1300 | Session 2: Well Integrity Maintenance Activity
   Session Chairs: Eric P. Deliac, Oxand; Sami Halfawi, Wood Group Intetech

Surface Casing Corrosion: external corrosion of the surface casing is prevalent in the area. This requires remedial work prior to conducting workover or intervention operations to ensure first level of integrity before the workover commences. This topic presents opportunities to investigate design area for prevention, ongoing activity such as robust cathodic protection for mitigation, and novel repair techniques to expedite resolution. Another area of investigation would be the impact of surface casing corrosion in gas lift wells. This can create a situation where the lift gas enters the aquifer. This in turn can lead to an aquifer kick on the next infill well supported by the gas accumulated. This situation can be compounded by the cumulative risk of oil or dehydration water flowing in the aquifer from sub-hydrostatic wells that have a higher liquid level then the aquifer which is often not recognised.

1300–1400 | Lunch and Prayers

TUESDAY, 24 MAY 2016
0830–0850 | Welcome Coffee and Collection of Badges and Delegate Packs
0850–0900 | Welcome from Co-Chairs
0900–1030 | Session 4: Risks and Prioritisation
   Session Chairs: Eric P. Deliac, Oxand; Liane Smith, Wood Group Intetech

The challenges that are related to management of well integrity are considerable in ageing fields, extending the life cycle and the cost of abandonment in a more stringent regulated environment that at the same time demands stronger transparency in assurance managing the wells within operating limits over their life cycle. This section may explore key topics such as:

• Well Integrity Risk Assessment During Planning
• Well Integrity Risk Assessment During the Life Cycle
• Well Integrity Risk Management
• Well Integrity Risk Management as Well Moves (Handed Over) Between Stakeholder Departments

1030–1100 | Coffee Break
1100–1230 | Session 5: P&A Challenges and Not an SPE member?
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   www.spe.org/joinspe
Opportunities
Session Chairs: Inge Carlsen, PRORES; Corey Hoffman, Wild Well Control

TP&A operations are a key part of the well life cycle (cradle to grave) process, used to deliver either temporary or permanent well integrity. Often such well abandonment operations can potentially be more complex to execute successfully than other sub-surface operations during well construction and production. Some areas have old legacy platforms that have challenges such as unknown subsurface conditions including equipment, complicated logistics, etc. These present unique opportunities to employ technology to effectively abandon the wells economically.

Suggested topics for this session include, but are not limited to:
- Abandonment criteria—Assessing well before final abandonment
- Case studies to examine re-tasking a well at the end of its economic life to extend the value proposition
- Abandonment case studies

1230–1330 | Lunch and Prayers

1330–1500 | Session 6: Well Integrity Challenges Way Forward
Session Chair: Bipin Jain, Schlumberger

The workshop will wrap-up with a review of key findings and recommendations for future actions. These likely will be regional focused but when reviewed in the right perspective will have universal applications.

1500–1600 | Workshop Wrap-Up/Closing Remarks

GENERAL INFORMATION
Format – Two days of informal discussions prompted by selected keynote presentations and discussions. Focused topics and issues critical to advancing both technology and best practices. Majority of the presentations are in the form of case studies, highlighting engineering achievements, and lessons learnt. In order to stimulate frank discussion, no proceedings are published and the press is not invited to attend.

Documentation
- Proceedings will not be published; therefore, formal papers and handouts are not expected from speakers.
- Work in progress, new ideas, and interesting projects are sought.

Poster Session – The Steering Committee encourages registrations from professionals who are able to prepare and present a poster on a relevant project.

Attendance – Registrations will be accepted on a first-come, first-served basis. The Steering Committee encourages attendance from those who can contribute effectively either in discussions or with posters.

Workshop Deliverables
The Steering Committee will appoint a “scribe” to record the discussions and to produce the full workshop report for SPE.

Commercialism – Commercialism in posters or presentations will not be permitted.

Attendance Certificate – All attendees will receive an attendance certificate attesting to their participation in the workshop.

Continuing Education Units – Attendees at this workshop qualify for SPE Continuing Education Units (CEU) at the rate of 0.1 CEU per hour of the workshop.

Cancellation and Refund Policy
- A processing fee of USD 100 will be charged for cancellations received before the registration deadline 23 April 2016.
- For cancellations received after the registration deadline, 23 April 2016, 25% refund will be made to the registrant.
- No refund on cancellations received within seven (7) days prior to the workshop date, i.e. on or after 216 May 2016.
- No refund will be issued if a registrant fails to attend the workshop.

Registration Policy
- Registration fee MUST be paid in advance for attending the SPE 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 co-chairpersons, committee members, speakers, discussion leaders, students, and registrants).
- Delegates with no proof of advance payment are required to pay onsite by cash or cheque, present a copy of the wire transfer, or submit a letter from their company guaranteeing payment of the workshop fees.

SPONSORSHIP INFORMATION
Sponsorship support helps offset the cost of producing workshops and allows SPE to keep the attendance price within reach of operations-level individuals, those who benefit most from these technical workshops.

Sponsors benefit both directly and indirectly by having their names associated with a specific workshop. While SPE prohibits any type of commercialism within the workshop hall itself, the society recognises that sponsoring companies offer valuable information to attendees outside the technical sessions.

SPONSORSHIP CATEGORIES
Sponsorships are offered on a first come basis. Please contact SPE to verify the availability of a particular sponsorship. Existing sponsors have the opportunity to renew the same level of sponsorship for annual workshops

SPONSORSHIP BENEFITS
In addition to onsite recognition; SPE will recognise sponsors on the SPE website and in all printed material for the workshop. Based on the sponsorship selected, sponsoring companies also receive logo visibility on promotional workshop items.

FOR MORE INFORMATION
For a detailed list of available sponsorships, including benefits and pricing, contact Olga Vyshnevska at ovyshnevska@spe.org.
REGISTRATION FORM

Global Integrated Workshop Series:
Managing Well Integrity in a Low Cost Oil Environment

23–24 May 2016 | Jumeirah at Etihad Towers | Abu Dhabi, UAE | www.spe.org/events/16aab4

Attendance is limited and is not guaranteed. Early registration is recommended. Please print or type in black ink.

IMPORTANT:
Registration fee MUST be paid in advance for attending the workshop.

WORKSHOP FEE:
SPE Members:
☐ Before 8 April = USD 1150
☐ After 8 April = USD 1600
Nonmembers:
☐ Before 8 April = USD 1350
☐ After 8 April = USD 1800

Workshop fee includes:
Technical sessions, materials, daily coffee breaks and luncheons, certificate of Continuing Education Units (CEU), and welcome reception and dinner (if applicable). Accommodation is NOT included in the workshop registration fee.

IMPORTANT: All SPE Middle East rates are net of taxes. The fees in this form do not include any local or withholding taxes. All such taxes will be added to the invoice.

Fax or email the completed registration form with payment or credit card information to:
Online: www.spe.org/events/16aab4
Email to: registrationdubai@spe.org
Telephone: +971 (4) 457 5800
Fax: +971 (4) 457 3164

Visa: SPE Middle East, North Africa, and South Asia will assist in providing a visa invitation letter, upon request in writing, to confirmed registrants after receiving full payment of registration fees. Visa invitation letters take five days to issue from the date of request and it is the delegate's responsibility to obtain their own visa. SPE cannot issue the visa nor can we guarantee it will be obtained.

Questions: Contact Olga Vyshnevskva, Event Manager, at ovvshnevskva@spe.org.

FIRST NAME: ___________________________ LAST NAME: ___________________________
SPE MEMBER? ☐ Yes ☐ No
MEMBER NUMBER: ___________________________
COMPANY/ORGANISATION: ___________________________
JOB TITLE: ___________________________
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FAX: ___________________________

TELEPHONE: ___________________________ EMAIL (REQUIRED): ___________________________

DO YOU WISH TO PRESENT A POSTER? (SUBJECT TO SELECTION)
☐ Yes ☐ No

DO YOU WISH TO BE CONSIDERED A DISCUSSION LEADER? (SUBJECT TO SELECTION)
☐ Yes ☐ No

If yes, please indicate the subject on which you would like to present:

HOW DID YOU FIRST BECOME AWARE OF THIS EVENT?
☐ Colleague (word of mouth) ☐ Section or Student Chapter ☐ JPT Ad ☐ Industry Publication
☐ Email from SPE ☐ SPE Website ☐ Other Industry Website ☐ Brochure Received by Mail
☐ I am a Committee Member/Presenter ☐ Employer ☐ An Exhibitor
☐ Others (please specify) ___________________________

DO YOU HAVE ANY MOBILITY/DIETARY REQUIREMENTS? (PLEASE SPECIFY):

PAYMENT DETAILS:
☐ Bank Transfers: (Please include the name of the registrant and 16AAB4 as reference for the transfer)
  Name of Bank: HSBC Bank Middle East Ltd, Jebel Ali Branch, P.O. Box 66, Dubai, UAE
  Name of Account: SPE Middle East DMCC
  Account Number: 036-217131-100 IBAN Number: AE18020000036217131100
  Swift Code: BBMEAED
☐ Credit Card (Check one): ☐ American Express ☐ MasterCard ☐ Visa
  Card Number (will be billed through Society of Petroleum Engineers) ___________________________
  Expiry Date (mm/yy) ___________________________
  Security Code ___________________________

CANCELLATION AND REFUND POLICY:
• A processing fee of USD 100 will be charged for cancellations received before the registration deadline of 23 April 2016.
• For cancellations received after the registration deadline, 23 April 2016, 25% of the fee will be refunded to the registrant.
• No refund on cancellations received within seven (7) days prior to the workshop date, i.e. on or after 16 May 2016.
• No refund will be issued if a registrant fails to attend the workshop.

NAME OF CREDIT CARD HOLDER: (PRINTED) ___________________________
SIGNATURE: (REQUIRED) ___________________________ DATE: ___________________________

To submit your registration online, please visit the event's website, www.spe.org/events/16aab4
Alternatively, you can email this form to registrationdubai@spe.org or fax it to +971.4.457.3164.