

## 2<sup>nd</sup> Annual Offshore Well Control Conference

### Provisional Agenda

Houston, May 27 – 28 2015

[wellcontrolus.offsnetevents.com](http://wellcontrolus.offsnetevents.com)



#### Conference Day One: May 27

##### 7.00am: Conference Registration Opens

7.00am: Coffee & Breakfast Items Available, Technology Showcase Hall, Legends Pre-Function

##### 8.15am: Offshore Network Welcome:

James Taylor, *Director, Offshore Network*

##### 8.20am: Chairman's Introduction:

Darryl Fett, *Senior Drilling and Wells Advisor, Total E&P USA*

Michael Fry, *President, Deepwater Subsea LLC*

#### Section 1: Well Control Training

##### 8.30am: Advanced Well Control Training

- Understand how Maersk Drilling are training offshore teams to handle the challenging and complex wells of the future and apply relevant principles to your training program
- Discover how the innovative team based well control training program combines principles of CRM, scenario based training and human factors observation to improve competencies
- Learn how Maersk Drilling has implemented a human factors approach in a technical and engineering minded environment that is focused on reducing human error

Jacob Odgaard, *Director - Operations Support, Maersk Drilling*

##### 9.00am: Full Scale Simulation - Meeting New Industry Needs

- Benefit from a description of Diamond Offshore's Ocean Technology Center, which is home to a series of linked training simulators to support rig crew competency development
- Analyze the benefits of investment in such facilities including enhancing the decision making process through training program development and DWOS
- Discuss the future requirements for simulation based training as the big crew change and new rig technology continues to impact the industry

Petar Radulovic, *Director - Learning & Development, Diamond Offshore Drilling*

##### 9.30am: Integrated Operations Simulation for Process Safety

- Understand how Noble have utilized fully-immersive environments to develop operator skills to support a high reliability organization and process safety
- Access the Noble Excellence through Technology Center (the NEXT Center) where technology is integrated to provide full drilling vessel simulation
- Hear Noble L&D leaders share approaches and lessons learned from their Integrated Operations Simulations Exercises and simulator-based operator training experiences

Bob Newhouse, *VP Learning & Development, Noble Corporation*

Fritz Golding, *Director - Simulation and Technical Training Programs, Noble Corporation*

**10.00am – 10.30am: Morning Coffee Break, Technology Showcase Hall**

**Section 2: Equipment Reliability**

**10.30am: Improving Well Control Equipment Reliability**

- Describe the approach to tackle a host of issues to improve reliability, including Identification of key single failure points and other common equipment failure causes
- Understand the factors most likely to cause non-productive time, including human factors, to mitigate the risk of disruptive failures
- Take proactive steps to reduce non-productive time including stakeholder engagement, processes, maintenance routines, testing and improved manufacture of equipment

Sachin Mehra, *Vice President – Asset Management, Ensco*

**11.00am: Deepwater BOP Maintenance Program: Panel Discussion**

- How are organizations ensuring the reliability of their BOP stacks in deepwater operations through maintenance programs
- What steps are being taken to reduce non-productive times and where can the biggest improvements be made
- What are the most common issues that can result in non-productive time and how can we increase the availability of equipment, ensuring its reliability

Sachin Mehra, *Vice President – Asset Management, Ensco*

Will Averill, *BOP Reliability Team Leader, Chevron*

Venk Bhat, *Subsea Engineer - Deepwater Operations, Stone Energy*

Michael Fry, *President, Deepwater Subsea LLC*

**11:45am: BOP Risk Model**

- Outline the BOP risk model built specifically to eliminate traditional problems associated with determining to continue or suspend drilling operations
- Understand how this risk model mitigates existing issues including inconsistent decision making, bias or lack of sound engineering principles, reducing the risk to your assets
- The risk model is custom built for specific equipment, environment, regulations and operational procedures to give a holistic and informed decision making process

Mike Crosby, *Business Development Manager, Lloyd's Register Energy – Drilling*

**12.15pm – 2.00pm: Networking Lunch Break, Discovery B**

**12.30pm – 1.45pm: Workshop Discussion: MPD: The New Drilling Convention - Conventional versus Dynamic Well Control.** Location: Champions, Level 2

**Workshop Summary:** Managed pressure drilling enables continuous closed-loop monitoring of the well and automated early kick detection and control. These capabilities help to keep influx volume at a minimum before it reaches “well control” threshold margin in the kick tolerance matrix. In this workshop we will discuss how MPD augments traditional well control philosophies.

Julmar Shaun Toralde, *Global Deepwater Managed Pressure Drilling Champion*, **Weatherford**  
Koray Kinik, *Managed Pressure Drilling Field Engineer*, **Weatherford**

### Section 3: Well Control Regulations & Procedures

#### 2.00pm: Well Control Events: Prevention and Response

- Benefit from a “loss of well control event” discussion from BSEE and apply the findings to your well control program to enhance safety
- Receive an analysis of recent events in the Gulf of Mexico to understand the failings that led to each event
- Get the latest updates around prevention & response for well control events to equip yourself with the latest experience direct from the regulator

Speaker TBC, **BSEE**

#### 2.30pm: Evolution of Well Control Policies and Procedures

- Hear how Noble Drilling’s well control manual has been developed, including considerations and work force participation and apply appropriate lessons to your processes
- Learn about the key new requirements that were included in the update to Noble Drilling’s well control manual to identify any gaps in your organizations procedures
- Identify challenges associated with the implementation of an organization wide process including stakeholder engagement, communication and making it fit for purpose

Bob Blank, *Vice President – Operational Excellence*, **Noble Drilling**

### Section 4: Human Factors in Well Control

#### 3.00pm Non-Technical Skills, WOCRM and Safety Culture

- Learn how to design or select Well Operations Crew Resource Management (WOCRM, OGP 501) training courses, what they should contain and who should be teaching them
- Explain how WOCRM can influence, and is influenced by, your safety culture and understand how to make assessments and give feedback on non-technical skills performance
- Consider how this WOCRM approach could enhance your Safety Management System

Professor Rhona Flin, *Chair in Applied Psychology*, **University of Aberdeen**

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#### **3:30pm – 4.00pm: Afternoon Coffee Break, Technology Showcase Hall**

##### **4.00pm: Crew Resource Management**

- Understand the implications of the IOGP 501 & 502 Reports on Crew Resource Management and evaluate implications on training in cognitive, human factor skills
- Learn how to achieve a step-change improvement in operational safety and efficiency of well operations teams through effective development of CRM
- Hear how one training provider has successfully integrated CRM into well control training for drilling rig supervisory teams

George Galloway, *Business Development Director, The Well Academy*

##### **4.30pm: Fighting the War on Error**

- Benefit from the experience of a former marine aviator and commercial airline pilot as he maps out the steps that oilmen can take to reduce human error in their organizations
- Learn how to mitigate human error through a systematic method of crosschecks, mutual support, and leadership
- Discover the five critical elements that will produce significant results in both safety and efficiency for any organization that is fighting the war on human error

Troy Kehoe, *Vice President Innovation, Check-6*

##### **5.00pm: Decision Support for Well Control: Building on Experience from Nuclear and Aerospace**

- Hear the lessons learned from major accidents in the nuclear and aerospace industries can be applied to deepwater well control
- Discover a systematic approach for structuring information that is used to develop instrumentation, decision criteria, and guidance for well control decision making
- Understand the benefits of a visual, intuitive “common language” that supports communication, consensus, and action among drillers, subsea engineers, maintenance, management, and regulators

Bill Nelson, *Principle Consultant, DNV GL*

##### **5.30pm: Chairman’s Closing Remarks**

Darryl Fett, *Senior Drilling and Wells Advisor, Total E&P USA*

Michael Fry, *President, Deepwater Subsea LLC*

#### **5:40pm – 7:00pm: Networking Drinks Reception, Technology Showcase Hall**

#### **7:00pm: End of Conference Day One**

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#### Conference Day Two: May 28

##### 7.30am: Conference Registration Opens

7.30am: Coffee & Breakfast Items Available, Technology Showcase Hall

##### 8.20am: Chairman's Introduction

Michael Fry, *President, Deepwater Subsea LLC*

#### Section 5: Process Safety

##### 8.30am: Safety Culture: Adding 800 Family Members in a Year

- Learn from Rowan's advance into the deepwater market and the integration of their 90 years' drilling experience with marine experience from outside the company
- Understand how established crews were dispersed as Rowan personnel took advantage of the significant opportunities provided by this growth in their organization
- Discover how 800 additional personnel were hired to fill vacancies or supply specific marine skillsets and how new personnel brought new experience and new points of view

Richard Tomlin, *HS&E Manager for the Americas, Rowan Companies*

##### 9:00am Organizational Process Safety Case Study

- Benefit from an overview of how Baker Hughes is developing its process safety strategy and apply relevant lessons learnt to your organization
- Understand how Baker Hughes are operationalizing process safety through the Safe Wells program
- Learn how Baker Hughes is creating "Trusted Operations" by impacting process safety in Real-Time through Remote Operations

John Go Boncan, *Upstream Process Safety Lead, Baker Hughes*

Matt Peduzzi, *Global HSE Manger, Baker Hughes*

Saeed Adeli, *Product Manager Drilling Surveillance, Baker Hughes*

Sunil Jose, *Product Manager - Operations Surveillance, Baker Hughes*

##### 10.00am: Leveraging an Integrated Competency Program to Drive Business Results and Safety Performance

- Learn about Halliburton's integrated business-driven competency program, designed and implemented around a simple, but robust, framework
- Benefit from a case study of how the program has been implemented globally for 13 product service lines in 9 regions, providing for a competency-centric development culture
- Understand how these programs build on the knowledge and skills to assure participants' demonstrated consistency and decision-making abilities

Todd Kruger, *Global Competency and Employee Development Manager, Halliburton*

10.30am – 11.00am: Morning Coffee Break, Technology Showcase Hall

## Section 6: Well Control Data

### 11.00am: Use of Digital Technology to Improve Leak Detection

- Learn about the benefits of a pressure analysis solution that allows users to document test environments, develop test plans and begin to automatically analyze pressure data
- Discover the advantages of advanced reporting transparency and clarity that offers comprehensive, consistent and complete pressure testing
- Understand how each test step is clearly documented, digitally secured and archived and the applications to wellbore integrity & barrier validation

David Barnett, *Chief Operating Officer, IPT Global*

### 11.30am: Advancements of Well Control Simulation

- Gain an overview of the current well control simulations generally used and understand the limitations of traditional methods
- Review the advanced simulation capabilities available and understand the advantages these innovative systems offer
- Analyse the future of well control simulation and its capabilities to accurately plan how these developments could influence your well control program

Daniel Morrell, *Senior Well Advisor, Schlumberger*

## 12.00pm – 1.30pm: Networking Lunch Break

### 12.15pm – 1.15pm:

#### Arctic Emergency Well Control Workshop, Champions Level 2

**Workshop Summary:** Arctic oil and gas exploration, both onshore and offshore, presents unique technological and operational challenges. Planning and preparation for potential emergency well control incidents requires adaptation to Arctic conditions and remote locations.

William McCarson, *Owner and Chief Consultant, McCarson Response Consulting*

### 1.30pm: Optimized Tripping and Casing Running Procedures for Tight Margin Wells

- Discuss how conventional pipe tripping procedures can result in unexpected gain or loss or well collapse even when conservative safety margins are applied
- Identify the major contributors to these events, including natural pressure spikes that occur when the displaced fluid volume has to break gel structure in annulus
- Benefit from case studies where transient hydraulic models are applied to optimize tripping procedures in real-time applications and in pre-well planning

Egill Abrahamsen, *VP Technical Sales & Training, Sekal AS*

**2.00pm: The Metrics and Value of Real Time Data: Mitigating Hazards**

- Understand how historically, the drilling industry has used real-time data (RTD) to improve drilling efficiencies, document occurred events and initiate reactive decision-making
- Understand how RTD should promote situational awareness with respect to wellbore instability and hazards
- Discover how destabilizing hazards-events, such as cuttings loading, barrier compromise, kicks, pack-offs, wellbore collapse, or other mechanical and pressure-related causes whether in rotating or flat-time operations, can be avoided or mitigated

David Pritchard, *Owner, Successful Energy Practices International*

**Section 7: Well Control Response & Containment**

**2.30pm Blow-Out Response & Containment**

- Evaluate the well background, blowout circumstances, preliminary planning & engineering and response activities pursued to understand the scope of the project
- Receive a detailed chronological history of the project, including video of blowout conditions, a simulation of the deployment technique and video of the capping attempt
- Understand how unexpected complications of jet-plume dynamics impacted capping stack stability and resulted in engagement with NASA to develop a unique modelling system

John Garner, *Manager – Well Control Engineering, Boots & Coots*

**3.00pm: Well Control Incident Response Planning**

- Access market leading insight into pre-event well control modelling to enhance your well control incident response planning
- Understand what well control contingency plans should be established to ensure appropriate response capabilities
- Discuss the benefits of emergency response drills and how these can prepare your organization to effectively mitigate the impact of well control incidents

Dan Eby, *Manager - Blowout Engineers, Sierra Hamilton*

**3.30pm: Chairman's Closing Remarks**

**3.40pm: End of Conference Day Two**