

Source Control Workshop

Examining source control technologies and arrangements for a timely response

Showcasing latest improvements, stimulating discussion, uncovering assumptions and promoting deep thinking on response arrangements for timely source control

Monday 20 May 2019 | Spillcon, Crown Conference Centre, Burswood



SPILLCON
20 – 24 May 2019
Perth, Australia





Workshop Program

- 8:00 - 8:30** **Coffee/Tea Registration**
- 8:30 - 8:40** **Introduction and welcome**
- Presented by: Wendy Kennedy - IOPER, OBE
- 8:40 - 9:00** **IOPER priority initiative areas on source control**
- Presented by: Cameron Grebe - Head of Environment Division, NOPSEMA
- 9:00 - 12:00** **Setting the scene: Capping Stack Deployment Simulation**
- Presented by: Brett Morry - Global Technical Director, Trendsetter Engineering, and Thomas Selbekk - Vice President, Well control and Blowout Support, Add Energy Group
 - **Providing simulations and audience involvement into a full Capping Stack deployment program**
- 12:00 - 12:45** **Lunch**
- 12:45 - 12:55** **Introduction of guests and speakers**
- Presented by: Brian Starkey - Oil Spill Working Group Chair, APPEA
- 12:55 - 13:20** **Preparedness arrangements: Industry Global Response Capabilities and Plans**
- Presented by: Andy Myers - SWIS Engineering Manager, Oil Spill Response Limited

- **Introducing the challenges and solutions for implementing a SFRT and Capping Stack deployment program**
 - Identifying the major consortiums that have been evaluating and implementing improvement options over the past decade
 - Presenting examples on how consortium arrangements have come together - what did it take to bring companies / regulators together to work on solutions for common desired outcomes

13:20 - 13:50

Preparedness arrangements: Developing Industry Standardisation in Preparedness Planning

- Presented by Chris Carstens - IOGP Well Expert Subcommittee Chair
 - **Presenting the contents of the IOGP 'Source Control Emergency Response Planning Guide for Subsea Wells'**
 - Outlining the basic work scope of engineering and planning activities, check lists and other tools that can be used to develop a SCERP
 - Providing information on task groups the SCERP should consider
 - Providing enough information to help end users develop a sequence of events needed to develop a timeline required to secure a well
 - Containing best practices that all prudent operators should follow for well design and well planning to secure a well

13:50 - 14:10

Design: Capping Stack

- Presented by: Brett Morry - Global Technical Director, Trendsetter Engineering
 - **Exploring the variables when undertaking design of Capping Stack and Containment & Recovery systems**
 - Overview of various designs and containment toolkits
 - Factors to consider in design
 - Types and locations of global equipment
 - Compatibility issues
 - Interfacing equipment

14:10 - 14:40

Feasibility: Key technical parameters for Capping Stack evaluation

- Presented by: Andy Cuthbert - Global Engineering and Technology Manager, Boots & Coots - Halliburton, and Guy Fox - Well Control & Prevention Services, Senior Product Manager, Boots & Coots,

- **Exploring the types of Well Heads, BOPs and Well Equipment, and the interfacing / compatibility issues to the types of Capping Stacks available, and any additional interfacing equipment requirements**
 - Water depth and metocean conditions
 - Gas to Oil ratio and turbulent flow
 - Containment and flowback options
 - Rams verses valves
 - Transport considerations
 - Design requirements

14:55 - 15:15

Operations: Subsea First Response & Dispersants

- Presented by: Brett Phillips - Technical Solutions Manager, Oceaneering, Australia
 - **Exploring the process and requirements to activate, mobilise and deploy equipment and dispersant supplies associated with the Subsea First Response Toolkits (SFRT)**
 - Standard equipment lists
 - What's not in the kit that may be needed
 - How to address the potential needs in the planning process to ensure a timely response

15:15 - 15:40

Operations: Deployment, Landing & shut in

- Presented by Andy Cuthbert - Global Engineering and Technology Manager, Boots & Coots - Halliburton, and Guy Fox - Senior Product Manager, Well Control & Prevention Services, Boots & Coots
 - **Explore the process of deployment to identify the complex stages and variable options, and identify where the complexities potentially create bottlenecks that could result in a delayed or failed deployment**
 - Vessel requirements
 - Personnel requirements
 - Turbulent Flow considerations
 - Pressures
 - Landing
 - Shut in
 - Containment or Flow Back



15:40 - 16:05

Preparedness arrangements: Response - ready personnel arrangements and procedures

- Presented by: Chris LeCompte General Manager, Wild Well Control, WellCONTAINED, and Christian Haustead General Manager, Wild Well Control, Asia Pacific Region
 - **Exploring examples of personnel required to implement a Well Control Response Programme, with focus on the methods used to pre- identify the personnel capability requirements and to put arrangements into place to ensure timely activation of critical personnel**
 - Providing response ready personnel and procedures
 - Activation and mobilisation of critical personnel
 - Work permits for international personnel
 - Assurance methods to assess and maintain capability
 - Exercises and incidents – lessons
 - Non-member company challenges

16:05 - 16:30

Transport and deployment logistics

- Presented by: David Pulk - Managing Director, Global Trade and Transport Solutions Inc.
 - **Exploring the considerations for designing and implementing transport solutions of Capping Stack and Well Containment equipment from source location to deployment locations**
 - Overview of mission requirements
 - Aircraft availability and suitability
 - Vessel databases
 - Load out and Offload requirements
 - Regulatory and flight approvals
 - Destination capability requirements
 - Importance of Logistics Planning Guides

16:30 - 17:05

Panel Session: Outstanding questions, audience & panel perspectives

- Presented by all our speakers
- The Workshop finishes with a panel session from the presenters with evaluation and responses to audience questions

