



# 2010 Offshore Technology Conference

3-6 MAY :: RELIANT PARK :: HOUSTON, TEXAS

## Special Panel Session

### SURFACE BOP TECHNOLOGY:

### STATE OF THE ART AND FUTURE OPPORTUNITIES IN DEEPWATER

**Thursday, 6 May 2010 – 14:00 to 16:00 ROOM 306**

As the pressure increases to lower deepwater well costs, technology trends are surfacing that could revolutionize the industry. Surface BOP technology is one of the most promising. It is already a highly regarded enabler for driving well costs down in some deepwater applications. This panel of Surface BOP technology experts offers a range of perspectives from operators, drilling contractors, consultants, and regulators. These diverse experts have one thing in common: they all are actively engaged in safely applying this technology to lower deepwater well costs.

An Audio Visual System “Voting Pad” will be used during the panel discussion to provide instant feedback from the audience relate to pre-determined questions related to significant aspects of worldwide surface BOP usage. In the early 2000s, IADC convened two ground-breaking workshops on SBOP drilling from floating drilling units. The workshops resulted in an ad hoc task force that developed the “IADC Guidelines for Surface BOP Drilling”. The document is available from [store.iadc.org](http://store.iadc.org).



Moderators

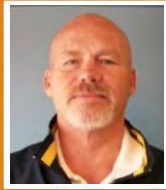


**Neil Kavanagh**  
*Chief Science and  
Technology Manager*  
Woodside Energy, Ltd.  
Perth, Australia



**Greg Carter**  
*Owner*  
Nautilus Offshore Co., Inc.  
USA

Panelists



**Russell Hoshman**  
*Petroleum Engineer*  
MMS – Gulf of Mexico  
USA



**David Bond**  
*General Manager –  
Drilling*  
Ophir Energy  
Perth, Australia



**Earl Shanks**  
*Senior Engineer*  
*Deepwater*  
*Offshore Company*  
USA



**Brian Tarr**  
*Senior Engineer*  
*Well Technology*  
Shell International  
Explr & Prod Inc  
USA



**Gavin Humphreys**  
*New Business and  
Technology Manager*  
Stena Drilling  
Aberdeen



**John Kozic**  
*Technology  
Manager*  
Transocean  
USA

# Biography Summaries

## **Russell Hoshman - MMS**

Russell has worked for the last 7 years as a Petroleum Engineer with the Minerals Management Service, Gulf of Mexico Region. Russell was previously with Chevron for 20 years as a production and reservoir engineer and 5 years as a research associate with Louisiana State University, Department Petroleum Engineering.

## **David Bond – Ophir Energy**

Mr Bond began his career in 1981 as a Drilling Engineer with Conoco in the North Sea. He has held several positions in both engineering and management with BHP Petroleum in the Timor Sea and with Woodside both internationally and in Australia. During his time with Woodside, he pioneered the development of the “Technical Limit” management process which significantly changed Woodside’s drilling and completion performance and has since been adopted by several major oil companies around the world. Mr Bond lead Woodside’s feasibility study on the use of Surface BOPs in Australia. Prior to joining Ophir in February 2007, Mr Bond was General Manager (drilling & completions) for Reliance Industries Limited in India, managing a multi-rig operation for both ultra-deepwater exploration and ultra-deepwater developments. Mr Bond is currently leading Ophir’s capability expansion to drill in ultra-deepwater in Africa. Ophir successfully ran SBOPs for the first time off a DP Drillship in over 1700m of water in Equatorial Guinea and Gabon.

## **Earl Shanks – Deepwater Technology Company**

Earl has been consulting for Operators operating in the deepwater Gulf of Mexico for the last 6 years supporting projects related to riser assurance for Surface and Subsea BOP’s, HPHT Well Control equipment, and various other projects. He is active in API Task Groups writing HPHT Design Verification and Validation Methodologies for equipment with working pressures greater than 15,000 psi. Earl was Co-Chairman for an IADC Committee writing Guidelines for Surface BOP Planning and Operations. He has worked on Surface BOP designs for application with and without a seafloor isolation system. In addition to design studies, reliability studies were performed comparing various arrangements of Surface BOP’s to conventional Subsea BOP Systems. Before consulting, Earl’s previous experience has been with operators, drilling contractors, and equipment suppliers. He has supported deepwater floating drilling and production operations for the last 36 years.

## **Brian Tarr – Shell International**

Brian Tarr is a Senior Engineer in the Houston based Well Technology group of Shell International Exploration and Production Inc. He is currently responsible for managing the development and implementation of innovative deepwater drilling technologies and is a subject matter expert in Surface BOP technology. His 32 years of industry experience includes direct involvement in managing offshore drilling and production operations in the U.K. North Sea, managing the development of innovative drilling technology and stewarding the application of novel drilling and completion technologies worldwide. He is also an active SPE member who has been a Technical Editor, a Review Chairman, and was the Executive Editor for the quarterly SPE Drilling and Completion magazine from 2000 - 2001. He is a registered professional engineer in Texas and has a Masters Degree in Petroleum Engineering from Heriot-Watt University, Edinburgh, Scotland.

## **Gavin Humphreys – Stena Drilling**

Joined Shell International as a drilling engineer in 1970. Spent my entire Shell career in several Shell Operating Companies (Qatar, Brunei, Netherlands, Oman and the UK) working as drilling engineer, company man, rig and operations engineering management and Well Engineering and Operations Management at a Corporate level. The final job was in the UK where I retired as Well Engineering and Operations Manager for Shell UKCS. Since retirement have worked as well engineering consultant to several small British exploration companies and for the last 3 years have worked for Stena Drilling as the New Business and Technology Manager seeking to bring new and innovative drilling related technologies to the market.

## **John Kozicz – Transocean (Technology Manager)**

## **Neil Kavanagh – Woodside Energy, Ltd**

As Chief Technology Manager, Neil is responsible for Woodside Energy Ltd's Strategic Technology Plan and innovation and technology planning through the company. Woodside is Australia's largest publicly traded oil and gas exploration production company and one of the World's leading producers of Liquefied Natural Gas. Technology focus at Woodside is on offshore gas development, exploration and development geoscience and LNG. Graduating from UMIST, Manchester with degrees in engineering and management, Neil's technical and leadership skills have been developed during roles in upstream production and development in the UK North Sea, Brunei, Middle East and Australia. Technical roles in Field Engineering, Technical Safety, Major Maintenance, Production Operations, and Production Technology preceded a stint in business assurance before becoming the company's technology champion in 2006.

## **Greg Carter – Nautilus Offshore Company, Inc. & Sea Technology, Ltd**

Mr. Carter has more than 30 years experience in the oil and gas industry. A 1984 graduate of Texas A&M University with a B.S. in Petroleum Engineering and an MBA degree from Houston Baptist University, he began working while still in college tending production fields in South Texas and working offshore drilling rigs. During the 1980’s and 1990’s, he worked as a Drilling, Reservoir and Managing Engineer for various drilling contractors and Operators including Tenneco, Texas Eastern, Marlin Drilling and Nabors Industries. In 2001, Mr. Carter started Nautilus Offshore Company, an offshore drilling enhancement design and project management company exclusive to global offshore exploration. The company has participated in many leading edge projects, including casing drilling, managed pressure drilling, conceptual offshore rig design, arctic rig development, and offshore field development. In addition to Nautilus, he is a principal partner in Sea Technology. In 2004, Mr. Carter helped form an additional venture, Sea Technology Ltd, which develops offshore drilling enhancement tools. He currently resides in the Woodlands, Texas and is actively involved with OTC sessions planning.