IADC Future Technology Subcommittee Meeting
9:30 am, Tuesday, 28 August 2012
IADC – Houston, TX

Attendees:
Rolf Gullaksen, Cameron
F. Scott Zinger, CNPC
Han Tiebout, Gusto MSC
Bob Warren, IADC
Charles Graff, Kittiwake Americas
Thomas Geehan, M-I Swaco
Jay Pickett, National Oilwell Varco
Jim Weir, National Oilwell Varco
Dustin Torkay, Seadrill Americas
Jan Brakel, Shell International E&P

Minutes:

   a. Goals:
      i. What are needs of deepwater BOPs in next 10 years?
      ii. Identify pains of Operators, Drilling Contractors and OEMs wrt BOPs.
      iii. Foster discussion between BOP technology developers and users.
   b. Workshop Mission Statement
      i. To identify industry pains and future technology needs of deepwater BOP equipment.
   c. Topics of possible discussion:
      i. Discuss whether BOPs are a safety system or an operational piece of equipment.
      ii. Define "What is a BOP?" - Each presenter to define in their presentation.
   d. Workshop Presentations (25 min presentations)
      i. Operator Presentation - Statoil committed (presenter TBD)
      ii. Contractor Presentation - Seadrill (Per Wolf, COO)
      iii. OEM Presentation - Cameron (Rolf Gullaksen to provide potential speaker list)
      iv. Regulatory Presentation - IADC (presenter TBD)
      v. Guided Roundtable Discussion- Moderator:Dustin Torkay,Seadrill. Participants
         1. Operator - Statoil
         2. Contractor -Seadrill
         3. OEM - CAM or GE
         4. Regulatory body - NORSOK (IADC as backup)
         5. Disruptive Technology provider - Options.
            o Ocean Riser AGR
            o SPEX - explosive shearing
            o Geoprober electric BOP control system
            o Enovate - new shear ram design
   e. Location:
      Quality Airport Hotel Stavanger
Stavanger Norway
10:30-16:30
Registration Limited to 100 people.
80 Euro Registration Fee.

e. Sponsorships Ideas:
   Event Sponsor?
   Cocktails?

f. Event Marketing
   - Website Update with additional information. Include outline agenda with confirmed
     speakers/companies participating.
   - Send out save the date.

Houston BOP workshop to be repeated in same format in January 2013

3. Next meeting Date 27 September 2012 at 9:30am