IADC Future Technology Subcommittee Meeting
9:30 am, Tuesday, 10 January 2012
IADC – Houston, TX

Attendance:
Judy Huang, 889 Global Solutions Ltd.
Dustin Torkay, Seadrill Americas Inc.
Sepideh Otmishi, Caterpillar
Mike Killalea, IADC
Michael Dines, Kittiwake Americas
Keith Womer, KW Technology Services Inc.
Thomas Geehan, M-I Swaco
Ted Royer, Nabors Drilling USA
Mallik Guggari, National Oilwell Varco
Andy Shelton, National Oilwell Varco
Paul Guirlet, Pacific Drilling Services
Todd Bush, RigData
Rolf Gullaksen, TTS Energy

Minutes:

1. European/overseas involvement.
   b. John De Wardt as moderator.

2. Rig Condition Monitoring Workshop
   a. All presenters have been asked to define CM on their first or second slide.
   b. Presentations received
      i. Still waiting on most presentations to be submitted.
      ii. Once received they will be reviewed for content and commercializim.
   c. Room capacity ~120-140. Currently have ~150 registered if we include unregistered
      committee members. Registration has been closed to prevent overcapacity.
   d. Confirmed Workso Agenda review
      i. Date January 19th from 1-5pm. @ NOV Parkwood.
      ii. Agenda:
         1. Offshore Contractor Perspective 25 min – Steve O’Leary Seadrill
      iii. Break 30 Mins
      iv. 4-5 Technology presentations 15 mins each.
         1. NOV – Ash M.
         2. CAT – Sepideh Otmishi
         3. Transocean – Bob Speirs
         4. Emerson - TBD
      v. Discussion 30-45mins - Andy Shelton to lead discussion.
1. With respect to CM in the industry what changes have you seen in the past 2 years?
2. To Vendors: What do you perceive to be the contractors main buying decision for your products/technologies? Is demonstrating the value of your product on paper good enough?
3. To Contractors: Do you agree (with above response)?

vi. Survey development questions discussed.
1. Everyone Questions:
   - Industry Segment
   - Age range of participant.
   - Which definition best defines condition monitoring?
   - Is there a business case for Condition Monitoring Technologies?
   - Of the following what is the biggest challenge for CM technologies?
     - Cost
     - False alarms
     - Value
2. Contractor Questions:
   - Do you use any condition monitoring?
   - On what equipment?
   - Have you seen any savings?
   - Has it been successful?
   - Have you had any false alarms?
     - If so, how often?
   - Has condition monitoring improved your uptime?
   - Is it worth the effort? Why?

3. Operator Questions:
   - Does condition monitoring help you?
   - Do you require condition monitoring?
   - Have you noticed a difference when condition monitoring is used?

3. Next meeting Date February 23rd, 2012 @ 9:30am