

# INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS



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**IADC ART Future Technology Subcommittee Meeting**  
**8:30 am, Tuesday, 20 July 2010**  
**IADC – Houston, TX**

## **Attendance:**

Brad Rosenhagen, AWC Incorporated  
David Wagner, AWC Incorporated  
Luis Cruz, Azteca Exploration & Production International  
Chuck Griffith, Caterpillar  
Mike Killalea, IADC  
Keith Womer, KW Technology Services  
Thomas Geehan, MI Swaco  
Fred Florence, National Oilwell Varco  
Jan Brakel, Shell Exploration & Production  
Rolf Gullaksen, TTS Sense  
John Gammage, WearSox

## **Minutes:**

1. Review of non-compete guidelines (Mike Killalea)
2. Review comments and feedback of workshop:
  - a. Dustin was not able to attend, but provided a summary of the survey and notes from all the presentations.
  - b. Some observations:
    - i. Overall attendance was good at 106
    - ii. Operator participation (11%) and particularly Drilling Contractor participation (7%) was low. Mike suggested that topics targeted toward economic considerations would energize drilling contractors more.
    - iii. There was a good cross-section of all age groups
    - iv. 98% support regarding stick-slip as a strong topic validated choice of topic
    - v. Topics of importance indicated that an effective, reliable stick slip analysis and mitigation technology or service, supplemented with training, is worth the cost. Tom noted that the number of service companies in attendance may be skewing those results.
    - vi. The most effective current technology was felt to be surface monitoring with downhole information, but the most cost effective were soft torque systems integrated with Top Drives. Fred noted that this was probably because soft torque is only a small component of the cost of a top drive.
    - vii. Current technologies were seen only as a supplement, but not replacement, for current methods. Current methods by themselves, however, were not felt to be sufficient.
    - viii. The non-commercial presentations were considered valuable; the commercial presentations only moderately so; the round table was worthwhile; and the social

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- hour was moderately supported. Tom suggested that if we get operators and drilling contractor attendance up, interest in the social by all parties would be increased. Mike again noted our gratitude to the sponsors.
- ix. Reviews of the venue, workshop format, and cost were very positive. Special thanks to Holly for this success.
  - x. Overall assessment of technical content was very positive. 90% felt the workshop was very valuable or somewhat valuable.
- c. Learnings for future workshops
    - i. insist on use of lapel mikes by speakers to eliminate variability in sound
    - ii. More nagging to get presentations ahead of time for the committee to review. The vendor presentations are allowed to be commercial, but some got off-topic
  - d. Actions
    - i. Holly to circulate Workshop points of discussion to speakers for review and correction as necessary.
    - ii. Mike to post survey results and workshop points of discussion on IADC web site
    - iii. Dustin and Gino to break out the operator and contractor responses and summarize those in the same format as was done for the entire group
3. ART conference Report 18 August 2010
- a. Dustin to prepare a report for 18 August ART technical conference. Tom and Keith to support as required
  - b. Mike to prepare an article for the IADC e-zine on the workshop
  - c. Dustin, Tom, Keith, and Mike to prepare an SPE paper reporting on the workshop for the IADC/SPE conference next March in Amsterdam
4. Should we host additional workshops
- a. the committee strongly supported further workshops
  - b. the earliest future date seems to be early December
  - c. several ideas floated, as well as review of FRT survey:
    - i. completions
    - ii. extended reach in shale gas plays
    - iii. game changing technologies
    - iv. reliability of automated equipment (co-sponsored with DSATS; may not be possible until 2011)
    - v. drilling with casing update
    - vi. MPD (however, MPD/UBO committee already working this topic)
  - d. Actions
    - i. Tom to draft question for August 18 ART technical conference asking for suggestions regarding FRT topics
    - ii. Dustin to set agenda item for next meeting to review topics and decide
5. Next meeting
- a. August 24 at 8:30 at IADC