

IADC-Meeting Minutes 12-13-22

8:00 – 8:05: Open Committee Meeting

- 8:05 – 8:15: Safety Moment, Chris Scarborough presented IOGP Safety Alert 325. Significant Influx taken during Managed Pressure Drilling (MPD) Operations. Related to data validation of Coriolis meter readings in the control system.

8:05 – 8:10: IADC Anti-Trust Guidelines; IADC Representative (Leesa Teel).

8:10 – 8:15: Volunteer for meeting minutes = Anthony Spinler, Enhanced Drilling.

8:25 – 9:00: Announcements;

- Martyn Parker update on development of API RP79-2 (Tripping Operations for MPD Operations)
 - Conventional Tripping Complete
 - This work group is about to start work on Tripping Guidance for MPD hydrostatically underbalanced operations. The MPD committee is invited to attend and assist.
 - Darren.Days@patenergy.com is the chair for this work group reach out if you wish to participate.
- SC10 – RP 65-4 Managed Pressure Cementing, 1st Edition
 - Introductory meeting held in Dallas June of this year, meeting notice was short, chair for this group Chris.Mehler@bp.com. No further updates at this time.
- Technology Introduction Ultra Deep Energy Company, Lewis J. Dutel
 - Initially started in ~2000 by Luc DeBoer and focused on Deep (15K-25K ft wells) and UltraDeep (25K-35K ft wells)
 - Re-engaging market for Geothermal, Onshore & Shelf, and D&UD Gas wells
 - Proprietary DGD technique called CAPM (Continual Annual Pressure Management) where lighter fluid is injected into mud return via specialize temporary casing annulus. Returning mud is separated back into heavier and lighter mud for reuse.
 - Have tested centrifuges, flow stop valve, and OTS wellhead and casing.
 - Theoretical improvements from 140 down to 80 days drilling time, multiple reduced casing strings

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- Recommend MPD Committee look at development an End of Year Report similar to RAPID ST3
 - RAPID ST3 End of Year report provides valuable feedback and lessons learned from BOP well control incidents
 - Information submitted to database is generic and report provides generic consolidated performance based on established KPIs
 - Published by IADC which is funded by operators; group instructed to ensure data sanitized
 - Took 4 years to create (2015-2019) Today the data and report are valuable feedback to industry
 - It is only offshore and global
 - Should this be an IOGP initiative?
 - Conclusions:
 - Vote approved to have team of people look at what could be the basis for KPIs and generic report. From there MPD Committee can determine to continue and/or involve IOGP.

- Update on BSEE communications with Operators (Roger Van Noort)

Discussion:

NTL for MPD to be issued Q1 making MPD submittals standard application and approval. BSEE will not be requesting help from MPD Committee.

BSR use during MPD OOC had good meeting 4 Nov

BSEE wants demonstration that BSR use does not add wear and tear reducing BSR lifespan.

Conclusions:

Operators need to put forward support & funding for any BSR testing.

9:45 – 10:45 Vote for the new Committee & Subcommittee Vice Chair persons.

Discussion:

Chris Scarborough's new role is not MPD and he likely cannot travel to support MPD Committee. So election was held for both Chair and Vice-Chair for Committee along with new Sub Committee Vice-Chair.

Conclusions:

2023 Chair / Vice-Chair:

- MPD Committee - Leiro Medina / Andre Alanso Fernandes
- UBO – Antonio Torrealba / Martyn Parker
- MPD – Andre Alonso Fernandes / Anthony Spinler
- DGD – Bing Yang / Jon Thain

- RGH – Oscar Gabaldon / Mike Vanderstaak
- HSE – Matt Kvalo / Stuart McCallum

Sub Committee Updates:

- UBO: Isabel Poletzky / Antonio Torrealba (Not Present) Martyn Parker gave update
 - Group is looking for Volunteers
 - Working to update API RP 92-U
 - Goal to align with the Land Guidance document equipment tables and format, aim is to align to the newer 92 series documents.
 - Draft equipment specifications.
 - Include more comprehensive section on drilling with coiled tubing underbalanced.
 - Agreed to cover 2 phase MPD under the document.
 - Conclusions:
 - Going forward this group will work more offline (virtual meetings) to complete the work. So that members can assist but not be conflicted at the 1/4ly meetings.
- MPD – Leiro Medina / Andre Alonso Fernandes
 - Influx management annex is out to be published with API
 - MPD control software guidelines is currently being developed as annex to 92M & 92S.
 - The document was circulated for comments; currently the Sub Committee are reviewing the feedback.
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- DGD – Per Christian Stenshone / Bing Yang (Not present).
 - API 92C received 93 comments. Going through the feedback to update the document
- RGH – Omer Kaldirim / Oscar Gabaldon
 - The Sub Committee issued the document to the main committee for comments. Currently working to address comments and feedback.
- HSE – Guilherme Vanni (Not Present) Matt Kvalo
 - Is developing IADC accredited MPD Fundamental Training Course
 - Currently a small dedicated group are developing the course question data base
 - Currently +/- 200 of 500 questions are being reviewed and assigned to the curriculum. The group will continue to develop the question data base goal is to complete by March 2023.

- Action Leesa Teele to make formal request to access IADC Wellsharp database for review of MPD questions in Well Control courses.

- API 16 RCD - Micah Spahn / Joe Karigan

- API 16RCD 3rd Edition along with Addendum number 1 are published.

Below is a summary of the major changes to API 16RCD that has been requested to include in the meeting minutes.

- Revised “Bearing Assembly” to “Sealing Assembly” to be inclusive of non-rotating RCDs without internal bearings and added to definitions
 - Revised Monogrammed components to add “Sealing Assemblies” to modernize the documents to how RCDs are used in the industry
 - OEMs can now supply multiple monogrammed “Sealing Assemblies” with a single RCD bowl/body
 - OEMs can now qualify various sealing assemblies with an RCD bowl/body
 - Added Service Application Level test annex which attempts to test RCDs more closely to how they are used for drilling
 - Moved test procedures out of Annex B into the body of the document to remove ambiguity of the informative Annex
 - Updated API 6A & 16A to current revision rather than a dated previous revision
 - Removed Monogram Annex per new API guidelines
- 10:15 – 10:45 Next meeting schedules
 - Q1 Meeting (28-30 Mar) – Host/Sponsor: Transocean Offshore (1414 Enclave Parkway, Houston, TX 77077)
 - Q2 Meeting (14-16 Jun) – Host/Sponsor: Equinor or Enhanced Drilling (Bergen, Norway)
 - Just prior to IADC World Drilling Conf. in London (20-21 Jun)
 - 2023 Conference (3-4 Oct) & Q3 Meeting (5-6 Oct) – Grand Hyatt (Denver) looking for committee meeting sponsors.
 - Q4 Meeting (5-7 Dec) – NOV 10353 Richmond Ave., Houston, TX 77042 / Sponsor: (TBD)
 - 2024 Conference (17-18 Sep) & Q3 Meeting (19-20 Sep) – Host/Sponsor: Petrobras (Rio De Janeiro)
 - Just before OTC Brazil (24-26 Sep)
 - Action Leesa Teele to contact Equinor reference Q2 meeting availability. If not go with Enhanced drilling offer to host.

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Yuanhang Chen from LSU came to the meeting and gave the committee a presentation that they have been approached by the DOE / BSEE and Offshore Energy Safety Institute (OESI) for a RFP for:

- OG-T1-P1.1 Identify leading indicators for the risk of loss of well control.
- OG-T1-P1.3 Standardize well control event consequence analysis to support consistent risk measurement.
- OG-T1-P1.6 Standardize approach to managed pressure drilling.

Conclusion:

The IADC UBO & MPD Committee will need to ensure that, as the Industry SME's we are involved with which ever institute is successful in winning the RFP. The committee must be involved in assisting in the development of OG-T1-P1.6 Standardize approach to managed pressure drilling.

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The committee reviewed topics from members for potential future work for the committee. The conclusion of this review is that in 2023 the committee will start a full review of API RP 92M as the original document is now 5yrs old and is due a review. The review will allow for updates and addition of chapters regarding some of the topics put forward by the committee members.