

# Well Control Committee

## Meeting Minutes



7 February 2023

---

### Well Sharp Update - Brooke

- 50% done on workover course
- Subsea still in process
- API reclassification of barriers affecting training elements
- Differences between drilling and well services concerns exist
- Phase 1 test question revisions group has been completed and moving forward for translation
  - 900 test questions remain for review
- IOGP revision of 476 Document
- Condensed well control group
  - Continuous learning for two-year recertification cycle
  - What is critical content is the question
- Simulator revisions
  - Work group has finished

### Technical Issues - Santo

- Shut-in while drilling procedures
    - Shut-in sequence not optimal as based on Kellys
    - Can there be reconsideration of the sequence training eg. closing annulars
    - Equipment, people, process considerations
    - Energy to change recommendations determined to be obsolete
    - Existing standards and training considerations
    - Steps for shutting in the well during drilling?
    - Variety of options that contribute to shut in considerations
  - Ballooning
  - MPD Committee/Well Control Overlap
    - Need to further contemplate considerations that underpin this activity
    - Event trends – large increase in MPD related conditions
    - Kill Sheets – ICP to FCP and tapered strings
    - Does the training sheet need to be updated/build in Excel
    - Well sharp and linear stepdown – does it need to be modified?
  - MGS vs H2S
    - MGS venting – but H2S is too heavy to vent upwards; what to do?
-

**\*\* Today's consideration of the above technical issues yielded a decision to focus on how to address Kill Sheet concerns and the manner in which inconsistencies have crept into how Kill Sheets are utilized in the field.**

### **Training Improvements – (questions raised for further consideration)**

- Expand Question Review?
  - Need to add content?
- Trip sheet content – Does it need to be updated?
  - How to update?
  - Right now company specific
  - Trip content in driller and supervisor course?
- Additional MPD content in all Classes?
- Minimum new hire training requirements?
  - Maintaining drilling level skill for supervisors is critical

### **Events and/or Trends Discussion – Santo**

- 33% of MPD events don't go as planned
- MPD systems
  - Inexperience, uncertainty
  - Operator error
- Members are leaning forward looking for MPD elements/curriculum for certification
- Labor pool challenges!!!
- *How can MPD concepts be consistently understood across the industry?*

### **Presentation – MGS Analysis by OU Grad Student Daniel Tatteh ([Daniel.a.tetteh-1@ou.edu](mailto:Daniel.a.tetteh-1@ou.edu))**

- See this presentation slides included w/these minutes
- This presentation discussed the analysis of design, maintenance, and monitoring considerations for proper operation of MGS installations. The research statement posited in this presentation calls for further evaluation of performance elements to determine whether measures may be identified to enhance the safety of MGS operations.
  - In particular limited knowledge of the effects of automation control technologies require further study along with case-study queries of stakeholders employing MGS installations related to specific technologies employed.
- See [here](#) for Daniel's complete slide presentation

### **Well Control Committee Meeting Schedule**

- Next meeting May 17
-