

Well Control Committee

Meeting Minutes



1 February 2022

- **2022 Committee Challenge Issue Vision – Santo Endieveri**
 - Q1 – Identify challenge issue
 - Q2 –
 - Q3 –
 - Q4 – Plan

 - **Well Sharp Update – provided by Brooke Polk**
 - New Well Sharp Curriculum went live
 - Well Servicing Course requires revision/restructure – currently structured to address drilling training, though anticipated to be revised to include snubbing, coil tubing, and other completion related operations
 - So far this year, receiving feedback concerning well servicing training developments
 - One operator provided feedback on verification/assessment; though none from drillers
 - Need to consider recertification periodicity for well control – not require classroom effort but leverage continuous learning through testing that verifies 80-85% pass rate. More deliberation on this matter is forthcoming.
 - Plans are forthcoming to engage test question database update of 3800 test questions.
 - Need to identify financial resources and garner extended commitment of IADC member participants to contribute to this effort.
 - Costs associated with this effort include, *inter alia*; database update and language translation up to as many as four languages.
 - Brooke received a question regarding update on MPD activities.
 - Project funding has begun with \$10 to 15K collected, however about \$40K will be necessary
 - A Simulator assessment effort will soon kick off a meeting and subsequent work for drilling and supervisor training

 - Brooke provided a clarification of Well Control Committee members participation in Well Sharp training working groups. Committee members are encouraged to participate in training working groups to share collective subject matter expertise to the benefit of training curriculums with the understanding that the Well Sharp Panel will wholly retain final determination decisions of working group recommendations.
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- Brooke reiterated that virtual training modules have become a permanent component for delivering course content.
 - Proctor U will continue to inform the training process
 - A discussion on the possibility for convening a working group to address definitions ensued. Further consideration will be necessary to delineate an action plan.
 - **Working Session - Santo**
 - Hosted by Santo, this introductory working session is intended is to consider prevailing issues/challenges/concerns associated with technical and training issues.
 - **Technical issues** acknowledged from a preexisting list to be further reviewed include, *inter alia*:
 - Slow Circulating Rates (SCRs)
 - Shut-in procedures during drilling activities
 - Ballooning
 - MPD Committee/Well Control Committee Overlap
 - T-times
 - **Training issues** acknowledged from a preexisting list to be further reviewed include, *inter alia*:
 - Additional courses
 - Minimum new hire criteria
 - Consulting on database questions as mentioned above
 - Remote Learning
 - **Field Incident Discussion - Santo**
 - Santo shared a drilling activity event describing an underbalanced incident that occurred offshore. Company investigatory efforts concluded review of the mud engineer's program for implementing certain drilling operations had not been properly reviewed resulting in an oversight for how mud weight would other be expected to perform during operations.
 - Conclusions shared pertaining to the incident underscored the need to validate the diligence of processes to ensure proper pre-planning and plan review.
 - **Guest Presenter – K-BOS Non-hydraulic Drill-string Shear – Reese Jones with Shearanything**
 - Reese provided an insightful presentation of the K-BOS technology providing for enhance drill-string “shear-ability” beyond that provided via conventional hydraulic shear rams. Such capability may be actuated in a manner that requires a fraction of a second to complete shearing function. Detailed
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questions regarding this presentation may be direct to Reese at Reese@shearanything.com.

- **API Update – Mel Whitby**

- Mel provided highlighted observations from API's Virtual Winter Standards Meeting
 - SC16A – Drill Thru Equipment
 - ✓ Ballot Resolution in process for HPHT Annex
 - ✓ New work items being considered to address new technology (non-hydraulic) that cannot be addressed via 16A 5th edition due to novel technical elements exceeding 16! Scope; a new task group is under consideration to meet this circumstance.
 - Spec16C; *Choke and Kill Equipment* and STD 64; *Recommended Practice for Diverter Systems Equipment and Operations* – SMEs are being solicited for participation on mud-gas handling equipment provisional updates.
 - AP 59; *Recommended Practice for Well Control Operations* rewrite is forthcoming
 - CSB Recommendations
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