**Operator Wellbore Survey Group (OWSG) Meeting, Glasgow, 9/20/16 – Minutes**

Attendees

Son Pham (ConocoPhillips)

Jonathon Lightfoot (Occidental)

Pete Clark (Chevron)

Ed Dew (Pioneer Natural Resources)

Erik Nyrnes (Statoil)

Olivier Cousso (Total)

Nicolas Rigard (Total)

Hans Dreisig (Maersk)

This meeting was held in association with ISCWSA meeting #44.

Next meeting – TBD and expected to be Q1 ‘17

Agenda

* OWSG leadership
* CA unification / API RP78
* Survey interval being determined by DLS
* OWSG PU models, Set E – Extended Course Length and Dual Inclination
* Sidetracking with Magnetic MWD

Minutes & discussion summary

Leadership

Chair - Pete Clark (Chevron)

Secretary - Jordan Meyer (Nobel Energy)

Collision Avoidance Unification / APR RP78

Main OWSG work-front is in contributing to the management and writing of API RP78. This is a substantial pull on the available resources so OWSG meetings have been limited to just two this year. The collision avoidance workgroup at the ISCWSA continues to work towards an industry recommended collision avoidance rule and management practices and the intent is that this will be referenced from within API RP78 making it industry standard. Further information on this can be found in the collision avoidance sub-committee’s page on [www.iscwsa.net](http://www.iscwsa.net)

**Action** – Request is made for operators not currently invested in RP78 to review the ongoing work with a view to helping ensure that the final Recommended Practice document is supportable by a large selection of operators in a variety of geographic locations

Survey Interval based on DLS

General discussion on requirements for reducing the survey interval as the DLS increases. This is both for a position calculation accuracy and validity of collision avoidance calculation. There was general agreement that this is desirable. This issue links to both the terms introduced by extended course length surveying and recommendations for maximum survey interval made in collision avoidance sub-group

**Action** – Review use of XCL PU models and collision avoidance sub-committee recommendations

OWSG PU models, Set E – Extended Course Length and Dual Inclination

One operator has the need to extend the current set of OWSG PU models for both use of a dual inclination measurement correction and for gaps in the survey log exceeding the assumed and normally acceptable survey interval (100ft).

**Actions** – Plan is to document these PU models in the same way as the other OWSG models and offer them for use by others. They should shortly be available in both spreadsheet and ipm forms

Footnote – The same, additional terms that “punish” extended course length surveys were discussed at the model maintenance sub-committee and received a welcome response. While these terms have still to be ratified at the model maintenance sub-committee they will be made available on request for testing.

Sidetracking from Casing with Magnetic MWD

Discuss common practice for acceptability and azimuth assignment when sidetracking with a magnetic MWD out of casing. There’s a range of practice from the practice being not acceptable, acceptable for drilling with non-HSE offsets, assigning an interpolated azimuth to accepting measurements with excessive interference and assigning a PU model with significant magnetometer bias over the interfered interval

**Actions** – There is an opportunity to offer an industry recommended practice to improve standardization. Consider including more detailed discussion of existing practice at next meeting with view to agreeing on common practice