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Technical Notes on
16D BOP Accumulator Sizing
and Performance Tool
Revision 1.10 - 8 August, 2014

This release incorporates several small changes from Revision 1.06, the last published revision.

P3 is 0 or very small on the Summary tab

In the case of an "Other Design" system having subsea accumulators sized using Method B the display of P3 on the Summary tab will be zero or very small. This is only a display problem; it does not affect the sizing. It is now fixed.

File not working right when sent to another country

If you create a file country A having one numeric punctuation (like 1,000 psi) and send that file to someone in a country B which has a different punctuation (like 1 000 psi or 1.000 psi) the equipment will disappear from the BOP Stack tab. The equipment definitions are still in the file and equipment can be quickly added back to the BOP tab and will work right after being saved.

Revision 1.10 fixes this by properly reading the file from any other country. Also, any file saved by Revision 1.10 in country A can still be read by someone else in country A who has an earlier version.

(My thanks to the patience of my Norwegian clients for working with me on this one.)

API Stacks with combined surface and subsea bottles

When the bottle precharge is limited by bottle pressure rating, the surface accumulators may be undersized by using the wrong volumetric efficiency factor, leading to an error message. This was fixed.

You were allowed to enter data to combine surface and subsea bottles for an "Other Design" case, but the surface bottles were ignored. Entering data for combined bottles in an "Other Design" was never supported and is no longer allowed.

Formatting Errors

The Technical Notes section could print down over the footer. It now formats itself properly.