

## Memorandum

**To:** File

**From:** John Sheldon

**cc:**

**Date:** July, 5 2011

**C-FER File:** R025000

**Subject:** Changes in PC-PUMP® v3.2

### Message:

The new version of PC-PUMP addresses several bugs identified by users and incorporates several new features that increase the software's usability. PC-PUMP v3.2 has the following changes over PC-PUMP v3.15:

- An updated equipment database is included in PC-PUMP v3.2 with updates from several major equipment providers. The database also includes a new naming convention for rod couplings that will better communicate the attributes of the coupling.
- Based on feedback from users, the printable reports have been updated to improve the look and clarity of the data displayed. Each report has been updated to give it a more professional appearance.
- To allow users to quickly print reports, a Quick Print option has been added to the majority of windows and tabs. The Quick Print option brings v3.2 more in line with the print options that were available in v2.x. The Quick Print icon is located at the bottom left side of the window, next to the help icon.
- PC-PUMP v3.2 now includes a feedback form that can be used to email the PC-PUMP technical support team with any questions or comments you might have on the software. The feedback form can be accessed through an icon located on the navigation bar or from the Help drop-down menu. Alternatively, users can access the feedback form through the Analysis Calculation Messages window that is display after a calculation is completed.

- Based on several requests from users, the batch analysis parameter list was updated to include Bottomhole Temperature and Pump Seating Depth. As well, when the batch analysis is conducted over the batch values, the value contained within the case is now added to the batch value list. The case value is circled in the batch comparison charts.
- In the Rod String window (located in the Equipment Configuration tab), an Auto-Fill button has been added to each row in the rod string table allowing users to select a particular rod string from the table. By clicking this button, the user can select which row to use to automatically populate the values of the input options located above the table without needing to enter them manually.
- In the comparison table and charts, the Wear Rate and Fatigue Life parameters have been added to allow users to quickly see which case provides the lowest wear rate and highest fatigue life.

As always, if you see any issues with the program or have a suggestion for a new feature that would enhance the software, please feel free to contact C-FER at 780-450-3300, or by email at [pcpump@cfertech.com](mailto:pcpump@cfertech.com).