

Memorandum

To: PC-PUMP® Users

Date: June 20, 2008

From: John Sheldon, Paul Skoczylas

cc:

C-FER File: R006000

Subject: Changes in PC-PUMP® v2.70

Message:

PC-PUMP v2.70 has the following changes over PC-PUMP v2.695:

- In previous versions of PC-PUMP, to select a new rod string the user was required to re-select the rod characteristics from each dropdown list. To simplify this task, a copy down button has been added that allows the user to copy the attributes from a selected rod in the table to the dropdown lists under the table. If the rod, coupling or rod guide characteristics have changed in the database since the file was last saved, the program will generate a message informing you of such. The program will continue to use the correct rod, coupling or rod guide data to populate the information fields. If the selected rod, coupling or rod guide is not found in the database then the program will stop the copy feature leaving some information fields incomplete.
- An autosave feature has been implemented to help prevent lost information due to unexpected shutdowns. The backup file is automatically saved as a .pcp.autosave file at a user defined frequency, which can be changed from the user preferences defaults window. To load a backup file, select the open file window as you normally would when loading a file and select the Autosave type from the list of types. A list of all the available backup files will then be displayed. Select the latest backup version of your lost file and open the file as you would any regular .pcp file.
- The Swell and Sand Settling modules have been moved into the main program to eliminate the problem where the modules, when launched, would occupy additional seats on network Hardlocks. This was a concern for users of network Hardlocks with limited numbers of seats.
- The measured submergence of the pump has been added as an input variable to the operating conditions window. This allows users to run analyses based on the pump submergence rather than the fluid level or the bottomhole pressure. The measured submergence has also been added to the batch comparison function in the calculation area of the Analysis Inputs window.
- Often a file is shared by many users working on the same project. However, not all the users are using the same units, which may create confusion. With this upgrade version, the user can select between their units or the units from the loaded file.