

## Memorandum

**To:** PC-PUMP Users

**Date:** June 27, 2005

**From:** Paul Skoczylas

**cc:**

**C-FER File:** P077400

**Subject:** Changes in PC-PUMP V2.661

### Message:

PC-PUMP V2.661 has the following fix over PC-PUMP V2.66:

- When rod guides are selected for rods with off-sized pins, they are associated with the rod body size and not the pin size.

PC-PUMP V2.66 has the following fixes and improvements over PC-PUMP V2.651:

- Users can now choose to specify “flowing wellhead temperature” instead of temperature gradient. This is not intended to be used when either of the downhole heat generation options are used--a warning message will be issued in those cases.
- A new option has been added to the IPR window to allow users to specify the IPR with a Productivity Index (PI) instead of a test point (for “straight line” IPRs).
- When selecting hollow rods, the “grade” did not appear. It also did not appear in the rod string spreadsheet. It now appears both when selecting, and in the spreadsheets.
- Hollow rods with no upset now indicate “no upset” rather than list an upset diameter the same as the OD.
- Hydrostatic head in the output parameters section is now labelled “Net Hydrostatic Head” to help reduce confusion as to its meaning. This is the difference between hydrostatic head in the tubing and in the casing annulus.
- The torque limit for hollow and continuous rods didn’t show up in the selection area, but was listed in the spreadsheets, and was used correctly. It will now show up in the selection area as well.
- The pump selection filter is now significantly faster than it was in the previous version.

- Error messages which can pop up and require a response would be repeated during a batch calculation in previous versions. These will now appear only once in a batch—the response given will be assumed to apply to all subsequent occurrences during that batch.
- The contact load graph had incorrect labels if hollow rods are used. This has been fixed.
- Various minor formatting issues on print-outs have been improved.