

What is New in Fracpro 2011?

Fracpro® 2011 , the latest version of the revolutionary hydraulic fracture engineering software from *CARBO*, is now available.

We have made significant enhancements, and we have added numerous useful new features in *Fracpro*® 2011 .

Our goals for this release (10.5.32) were mostly centered on improving the Real-Time Mode. These changes should make it easier for users to advance stages, plot data, calculate stage totals, etc.

Some of the major changes and additions to *Fracpro*®2011are:

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Version 10.5.32

Additions

- **Improved Control (F10) screen for use in Real-Time mode**
 - *Ability to advance stages and treatments with buttons rather than by dragging stage bars.*
 - *Ability to Auto-Stage based on volumes and stage number variable*
- **Treatment Schedule now updates in Real-Time mode with actual volumes, rates, etc.**
- **Ability to start Real-Time job with or without a defined actual treatment schedule**
 - *If job is started without a schedule it can be built on the fly as stages are advanced.*
- **Added an option in Bar Graph Preferences to set the number of stages that can be displayed in a Bar graph.**
- **New option on plots to smooth individual curves**

Modifications

- New Fracpro logo is used.
- User can now configure up to 50 fractures in each of 50 treatments.
- Added XML support for report.
- Added new bottomhole and surface foam channels.

Fixes

- User can delete a Guideline by right clicking on it
- Fix random rectangular object that would appear in IFP and 1/2D schematic views.
- Fixed Bar graph updates when user makes changes to Treatment schedule
- Fixed several bugs reported by users and incorporated several user requests.

Version 10.5.28

Additions

- **Report now has support for Multiple Treatments**
 - *Option on the Report Setup screen to print report for all treatments. Also ability to add a section with a summary of all treatments to beginning of report.*

Modifications

- Increased total number of real-time and database channels from 128 to 256.
- Increased total number of user defined channels from 104 to 208.

Fixes

- Fixed a multiple treatment problem with acid treatments.
- Fixed a problem when printing a plot with 8 variables.
- Corrected checking if fluid or proppant are used before allowing deleting them in multiple treatment jobs.
- Fixed reservoir validation for multiple reservoir definitions.
- Fixed a problem with directional survey losing calculated column values.
- Fixed a problem with entering flow-back stages on Treatment Schedule screen.

Version 10.5.25

Additions

- **Output ASCII Data in real time**
 - *New tab on ASCII Data Output screen to save ASCII data in real time.*
- **Multiple Flowmeter/Densometer capability**
 - *Users can now assign multiple flowmeters and/or densometers on the Channel Inputs screen*
- **FracproXCHANGE now has multiple treatment capability**
 - *Users can now enter multiple treatment intervals within the same .inp file using FracproXCHANGE*
- **Directional Survey will now handle 10,000 lines of data**
 - *Max number of lines has been increased from 1,000 to 10,000 to handle more complex well surveys*

Modifications

- Improved Fracture Profile display for multiple fracture treatments.
- Added fixed-slope lines to log-log-plots.
- Added real times in minutes to information box for Pseudo-Linear and Pseudo-Radial times in Minifrac Analysis.
- Disabled automatic Main Screen display after closing a window.
- Improved automatic sizing of Integrated Profile window.
- Improved Proppant Location displayed on Integrated Profile with a new proppant legend.
- Improved Job Comments behavior.
- Added Draft Mode to xy-plot hardcopy. This solves issue with slow or inability to print plots with lots of data.

Log Viewer/ Log Editor screen

- Logs/Layers Editor now keeps log-file open during one program run.
- Changed guideline in Logs/Layers Editor to span across both logs and layers.

DataConvertPT

- DataConvert can now handle las-files with Cyrillic characters.

Fixes

- FracproPT now sets acid properties to default for not-fully defined fluids in Fluid Library.
- Fixed incorrect FcD display for multiple treatment cases.
- Fixed a problem with variable time step database xy-plot display.
- Fixed a problem with entering a stage after shut-in stage on F6 screen.

Version 10.5.21

Additions

- **Multi-Treatment Feature**
 - *Create Multiple Treatment Schedules in a single .INP file*
 - Model and Display Treatments of different zones within a single setup file. Add treatments by choosing “Multiple Fracture Treatments” on the Fracture Analysis Options (F4) screen and then entering zones on the Wellbore Configuration / Perf Intervals (F7) screen
 - *Multiple Reservoir Definitions in a single INP file*
 - Each zone can have separate reservoir parameters on the Reservoir Parameters (F9) screen. Switch between your zones by using the Frac Toolbar (see below).
 - *New Frac Toolbar to easily switch between zones*
 - Use this bar to display Reservoir Data, Fracture profiles, etc. for a particular zone

- **Horizontal Well Pane**
 - *New pane that can be viewed on the Integrated Fracture Profile screen*
 - Shows fracture locations along a horizontal and allows manipulation of this view. Displays plan and overhead orientation.
- **Pilot Hole Survey**
 - *FracproPT® 2011 will use this Pilot survey for all log related data (Directional Survey will still be used for all Fluid and Hydraulic calculations)*
 - Option in Wellbore Configuration (F7) screen to enter pilot hole survey
- **3D Fracture Viewer**
 - *Ability to View and Manipulate 3D representation of fracture*
 - Display this by choosing the “View” menu and then “3D Fracture Viewer”
- **Display Fractures from multiple input files**
 - *Allows you to display fracture profiles from multiple files on the same display*
 - Choose results to display by selecting “Manage Model Results” on the Integrated Fracture Profile screen
- **User-Defined Channels**
 - *Create User-Defined channels by entering your own formula using existing channels as variables*
 - Accessed through the “Data” menu, “Setup User-Defined Channels”
- **Log Viewer/Log Editor**
 - *Curves can now be Dragged and Dropped*
 - Curves can be moved between tracks by dragging and dropping
 - Curves can also be removed using the X mark
 - *Add and Remove track/curves from Viewer screen*
 - Display can now be manipulated easily from the viewer screen using buttons on the toolbar as well as new right-click menus
- **Halliburton Fluid Library 4.3**
- **New Advanced fluid selection screen.**
 - *Spreadsheet View*
 - New spreadsheet view allows fluid properties to be viewed and also used as search filters for selecting a fluid

Modifications

- Added an option in ASCII data output screen so that job comment's times from Well and Treatment Information-F3 screen are used to output channel data to the ASCII file.
- Improved 2D Schematic View functionality.

- Improved Mini Frac Analysis functionality.
- Added "Import Layouts" and "Import Layouts" button in Screen layout manager screen.
- Modified IFP template manger for better usage.

Log Viewer/ Log Editor screen

- Added option to import and export alias name library and some predefined tracks were added.
- Added a feature so that in case, changes are made to layout, program would prompt the user to save or overwrite the changes when user closes the layout.

DataAcqPT

- Added option to read data using TCP/IP from an external device.
- Doubled the number of user defined channels.

DataConvertPT

- Improved various date/time format handling with automatic format handling.

DataEditPT

- Improved Start Time handling during data editing operations.

Fixes

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