DuneFront

PackPro 6.3.021

1. NEW MODULES AND ADD-ONS

- We've introduced a number of new modules and add-ons which enhance the functionality of the software for specific applications. Get in touch if you're interested in licensing them!
- PackPro CH Offers a limited set of simulation and evaluation features for cased hole applications at an affordable price
- Managed Pressure Gravel Packing (MPGP) Enables the use of managed pressure drilling (MPD) technology in gravel pack simulation and evaluation, including both surface back pressure (SBP) and controlled mud level (CML)
- Network License Detaching Allows you to temporarily move a network license to your computer so you can work offline

2. GENERAL

- New module selector with add-ons
- Notifications center to see the latest updates from DuneFront
- Licensing center to more easily manage all aspects of the software license
- Automatically run multiple simulations when comparing scenarios with a single click
- Define custom fluid colors in animations
- Many engine improvements, including MPGP, packing, dehydration and bridging
- Miscellaneous bug fixes and performance improvements

3. RESULTS AND REPORTING

- Labels can be added to ranges to define the operations included in the data and streamline the reporting workflow
- Templates now support labels so they can be assigned to one or more operations, which will display them in the relevant ranges for faster access
- Reports can be generated in PowerPoint format (in addition to Word), which also include some enhanced functionality such as videos/animations
- Reports can be generated for multiple ranges, making it even easier to create a single report that covers all operations

4. GRIDS

- Selection with SHIFT and CTRL buttons has been optimized to work in all common scenarios
- It is now possible to select data by columns or rows
- Cells can be highlighted without editing, making it easier to select and review data
- Data can be pasted into a single column
- Stability and performance improvements

5. CHARTS

- The following options can now be set separately for each chart:
 - Time/Volume axis selection
 - MD/TVD axis selection
 - Compare scenarios (simulate module only)
 - Optimize (evaluate module only)
- Margins for both X and Y axes can be customized in the user options
- Stability and performance improvements

PackPro 6.2.017

1. GENERAL

- A new option to work from a temporary folder has been added to improve stability and performance of files stored in a network/server location
- Ranges are now scenario independent to streamline working with data (all ranges are available in all scenarios)
- Notes can be added to scenarios and ranges to record important information for future reference
- Yellow warnings indicate input errors that don't impact the calculations
- Miscellaneous bug fixes and performance improvements

2. FLUIDS AND GRAVEL

- Several fluid properties have been moved from the Project Fluids and Advanced Options screens to a new Advanced Fluid Properties section for easier access
- Several gravel properties have been moved from the Project Gravels and Advanced Options screens to a new Advanced Gravel Properties section for easier access

3. RESULTS AND REPORTING

• PackPro now includes built-in functionality to replay and record videos of the animation, well visualization and depth-based charts

4. CHARTS

- Chart templates have been introduced which allow you to save chart configurations and easily generate charts across multiple files
- Reporting charts can also be copied from one scenario to another within the same file using the clone feature in the scenario manager
- You can now add slope lines to reporting charts to help you analyze data and trends
- More options have been added to customize how the crosshair is displayed on charts

5. DATA

- Multiple return rate and gravel concentration columns are supported in evaluate and trend analysis modules
- Equations can now be defined for a specific range for more flexibility and improved performance
- Equation constants have been added to more easily define fixed parameters

PackPro 6.0.100

1. GENERAL

- Streamlined the import data workflow
- Improved undo/redo functionality under specific situations
- Enabled pasting chart image in Paint and other apps
- Fixed crash when trying to open read only file
- Improved speed of simulation/evaluation with temperature modelling
- Other minor bug fixes and performance improvements

PackPro 6.0.50

1. GENERAL

• Fixed app freezing problem when generating report with well visualization

PackPro 6.0

PackPro 6.0 is a general release which updates PackPro 5.0 with the following changes and improvements:

1. GENERAL

- Revamped and user friendly PackPro interface
- Modularization of the software which allows selection of module at the home screen
- Auto saving capability in which the file auto saves every time a user makes any change in the software
- Ability to undo and redo changes that have been made in the software
- Improved chart features with ability to customize individual charts
- The axis can now be switched between linear chart and logarithmic chart
- Time axis format can be switched between delta time and Timestamp
- Miscellaneous bug fixes and minor improvements

2. PSD

• Ability to create report for PSD analysis

3. IMPORT DATA

- Revamped Import Data interface
- Ability to create template for gauge data which allows the remaining data to be easily imported
- Ability to define the data type in the import wizard screen
- Gauge data name and details will now be automatically taken from the gauge data file
- Imported data now available in all Scenarios in the file

4. DATA

- Gauge data and data chart has been moved from Pumping Evaluate screen
- Ability to create user defined equation when user has access to DataPro
- Auto X-Axis shift feature which assists the user in quickly aligning the gauges for time synchronization differences
- Ability to save chart customizations on Data Chart

5. FLUIDS

• Ability to save Rheometer data in the database has been added

6. PUMPING - EVALUATE

• Gauge data and data chart has been moved to a separate screen (Data screen)

7. ADVANCED OPTIONS

• Additional chart customization are now allowed and can be done from the chart options

8. RESULTS AND REPORTING

- Ability to save results in multiple ranges at the same time in evaluation
- Ability to save chart customizations on Results Animation
- Perforation packing and pressure data are now shown side by side in the animation screen (applies for cased hole gravel pack and high rate water pack)
- Improved fluid animation with the ability to track the displacement in the open hole annulus and washpipe
- Improved well visualization which now shows the fluid tracking for the entire well, both above and below the packer
- For evaluation module, once the optimize feature is selected, simulation animation and well visualization will be available in the results screen