StrataGen

What is New in *FRACPRO 2023 (Version 10.13.6.0)*?

FRACPRO® 2023, the latest version of the industry-leading hydraulic fracturing design and analysis software from StrataGen, is now available! This version enhances existing models for improved accuracy and speed. It also incorporates numerous advanced capabilities that solve field challenges faced by our broad customer base.

New Features and Enhancements

- Added new ISIP (Instantaneous Shut-In Pressure) calculation method to the existing options.

  The new method is applicable for cases where wellbore storage and/or fracture complexity around the wellbore masks the clear observation of this key parameter.

- Added a new Closure Pressure calculation method to the existing options.

  The new method considers the Rock Compliance effect over the fracture face closure.

- Added Asymmetric Fractures Simulation (considering Parent & Child Interaction) capability.

  The preferential fracture growth into the depleted area of a parent well is considered when a child well is drilled and completed in the same area. This new feature will improve the hydraulic fracture modeling capability in FRACPRO when Child wells are drilled and completed to maximize the hydrocarbon recovery.

- Improved Log Processing capability and quality.

  - *A Formation lithology is calculated and added to the analysis. Lithology is calculated from the uploaded well-logs information.*
  - *The quality of the calculated petrophysical properties and rock mechanical properties required for fracture design has been improved.*

- Improved selective fracture simulation for multiple sets of perforations.

  Added Completion Type option in Fracture Analysis Options F4 screen to simulate fracture for completions with multiple set of perforations. This option is used in cases where selective fracture stimulation in one intervention is required.

- Improved Stress Shadow simulation between fractures and/or between stages.

  Stress Shadow effect has been modified to reproduce the field observations in a better way.

- Improved 3D View for wellbores with multiple fractures and/or multiple wellbores.

  Speed and stability of 3D View are enhanced when multiple fractures in one wellbore or multiple wellbores are displayed.

- Improved Rock-type bitmaps.

  We are now using standard rock type bitmaps.

- Improved fracture model stability for reservoirs with complex modulus profile.

  Fixed fracture dimensions oscillating when reservoirs have high variation of Young's Modulus.