

## Frequently asked Questions: STIMPRO 2023

- STIMPRO 2023 version is not totally compatible with older versions. User can open and ran file from previous STIMPRO version, but the simulation results will be different. This is due to the following additions in the new version:
  - Perforations discharge coefficient in Wellbore Configuration – F7
  - ICDs addition in Wellbore Configuration – F7
- After defining layers properties in Reservoir Parameter – F9, it is required to activate the Damage Profile by activating the “Set Depth from Layer Depths” icon to avoid error in the skin calculations.
- In Reservoir Parameter – F9, Damage Profile Icon is required to define the damage composition based on the available data or lab data. Damage could be for example calcium carbonate, non-reactive fine, clays, calcium sulphate, etc.
- The criteria for Acid Retardation Factor in Fluid Design Shift – F5 section for retarded acid system have been changed compared to the older version. In STIMPRO 2023 acid retardation is defined using retardation factor value higher than “1”.
- Viscoelastic properties of the acid or diversion systems in Fluid Design Shift - F5 section is defined by entering the maximum viscosity of the fluid system. Example 10 cp, 100 cp, 200 cp. Final viscosities are provided by the chemical provider or from the lab work.
- To properly run Production Analysis Module, it is required to set upper and lower layer’s, located surrounding the simulated layers, permeability, and porosity values to zero in Reservoir Parameter – F9, Layers section.