

WellSim well simulator

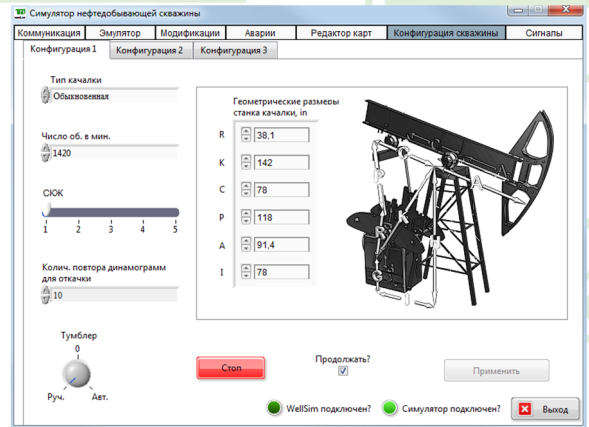
The WellSim well simulator is designed to simulate signals from sensors installed on oil wells.

The software package allows you to reproduce dynacards obtained from real oil wells and make changes to them in order to simulate various conditions, such as malfunctions or a gradual decrease in pump filling.

The well simulator is used to test the performance of well controllers and train personnel to work with them.

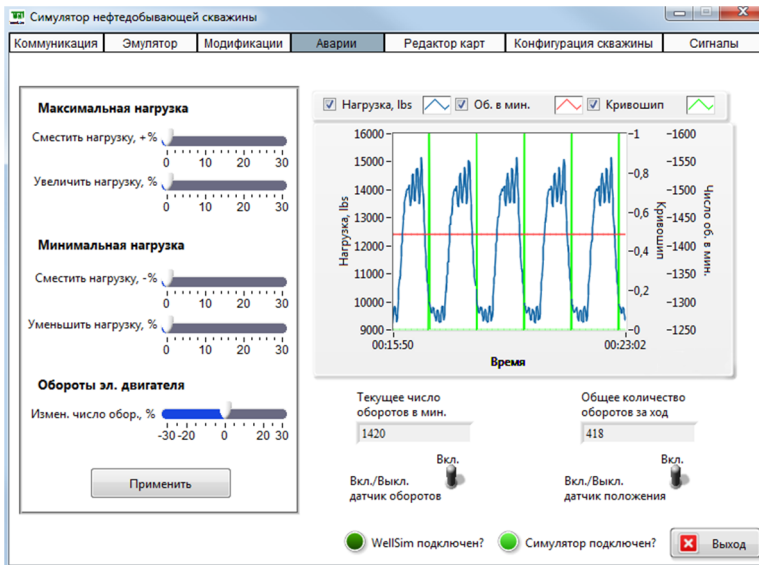
The simulator's functionality also allows you to add new dynacards recorded on a working well or synthesized.

For added or pre-installed well models, their geometry and well equipment are also taken into account.



Features:

- Reproduction of sensor signals from real wells
- Possibility of adding additional dynacards recorded from real wells or synthesized
- Modification of test well signals to simulate different well conditions
- Simulation of malfunctions
- Accounting for geometric dimensions of the pumping unit
- Accounting for types of well equipment
- Accounting for friction
- Possibility of use for testing the performance of well controllers
- Staff training tool
- Simulation of well operating modes with feedback simulation
- Simulation of signals from different types of sensors
- Simulation of conventional and chain drives



System requirements

- CPU – 1 GHz Quad Core+;
- RAM – 4+GB;
- 1GB free disc space;
- OS – Windows 7 and above.

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