

At the facilities of PAO TATNEFT, pilot installation was carried out to compare the functionality of WellSim with controllers of the pumping pump units of other manufacturers (Lufkin, MEGA, Standard). 10 control systems Naftamatika were installed, without frequency converters.

Results obtained and fulfillment of success criteria:

Energy saving ~ 20%

WellSim failure rate less than 1%

Increase in the operating factor by 1.5% based on the entire stock of wells

Average accuracy of flow rate calculation within 5%;

The average annual economic effect is 326.2 thousand rubles (~3 500 USD).

*data provided by PJSC TATNEFT supervising pilot testing services

Based on positive pilot installation results, 50 Naftamatika SUs were implemented

Based on the results of the analysis of the work of 50 SU WellSim, it was decided

- On equipping all newly commissioned production wells with sucker rod pumping units of the Naftamatika SU
- On the termination of completing wells with sucker-rod pumping units with SKZh liquid meters, and the use of WellSim controllers as a means of measuring oil production.

More than 900 control stations with WellSim controller have been installed at the facilities of PJSC TATNEFT. Theoretical and practical seminars on the setup and maintenance of the Naftamatika control system have been conducted.

