

Republic Unitary Enterprise Production Association “Belorusneft”
**Directorate of Field Geophysical Works of the
Republic Unitary Enterprise Production
Association “Belorusneft”**

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FAO: General Director of JSC “BVT”
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Dear Alexander Igorevich,

On behalf of the Production Association “Belorusneft”, I express my gratitude for the successful cooperation in well development in 2013 – 2024.

The Production Association “Belorusneft” has been using the equipment developed and produced by the JSC “BVT” since 2013. Over the entire period of cooperation, the Production Association “Belorusneft” used over 360,000 charges when operating the blasting and perforating equipment of JSC “BVT”. The service engineers of JSC “BVT” provided technical support for well operations under the contracts, and proactively during the implementation of new types of equipment and technologies.

In particular, I would like to highlight the results of cooperation in the implementation of the Plug&Perf technology during multi-stage hydraulic fracturing in 2019. A pilot project on the Plug&Perf technology in the Production Association “Belorusneft” started with the work in well No. 411g of the Rechitsa field. During the work, the equipment provided by the JSC “BVT” was successfully used, and the technological support was provided. As of the results of the pilot project, the Plug&Perf technology was tested successfully and approved: when implementing the Plug&Perf technology in conventional and unconventional reservoirs, the possibility of involving new undeveloped reservoir zones within the horizontal section of the well by creating additional filtration channels (i.e. hydraulic fractures) was confirmed.

The wider introduction of the Plug&Perf technology in the Republic of Belarus together with the emerging technological challenges required a new technical approach. The JSC “BVT” was the first in the post-Soviet space to develop locally produced equipment for selective cluster perforation: electronic control panels, electronic selective keys, modular design of the perforation system. The new system of targeted selective perforation (TIS) was successfully tested at the fields of the Production Association “Belorusneft” in 2022. Currently, TIS is in serial use – 295 stages in 30 wells have been successfully developed with it. Due to the cooperation of our Companies and the use of advanced technologies at the facilities of oil and gas production division “Rechitsaneft”, excellent results were achieved and invaluable experience was gained in conducting multi-stage hydraulic fracturing with the Plug&Perf technology. In 2023, at the wells No. 420 and No. 443 of the Rechitsa field, for the first time in the territory of the CIS,

Plug&Perf multi-stage fracturing was performed using the latest Zipper Frac technology, thanks to which an absolute record was set: 6 stages of hydraulic fracturing per day. The use of BVT Plug&Perf equipment also contributed to the success of this work.

The JSC “BVT” has established itself as a reliable partner that conscientiously fulfils its contractual obligations. Professional engineering support, competent organization of the process of preparation and execution of works by the line managers of JSC “BVT”, availability of modern and special equipment allow us to successfully perform blasting and perforating operations in difficult technical conditions on schedule, in accordance with the requirements of occupational health and safety regulations, standards and specifications.

The Directorate of Field Geophysical Works of the Republic Unitary Enterprise Production Association “Belorusneft” wishes the team of JSC “BVT” further success. I express my confidence in maintaining the existing partnership and hope for further mutually beneficial and fruitful cooperation.

Best regards,
Head of the Directorate
S.V. Shevelenko