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**«AGRITECH-VI 2021: Advanced Agritechnologies,
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Development»**
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«Horizontal wells with MZHF - more efficient production of hard-to-recover reserves»

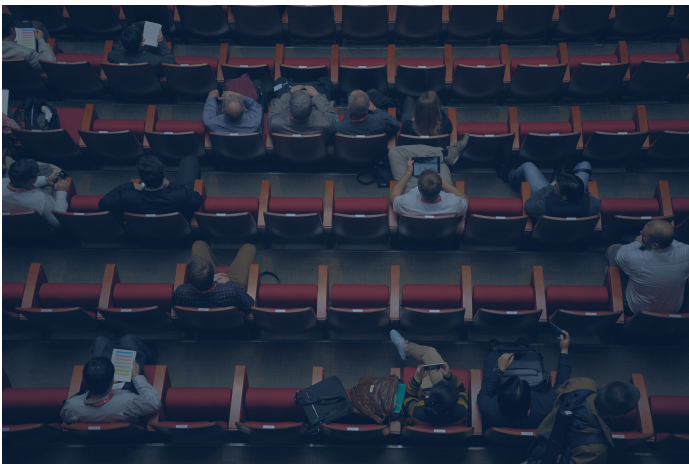
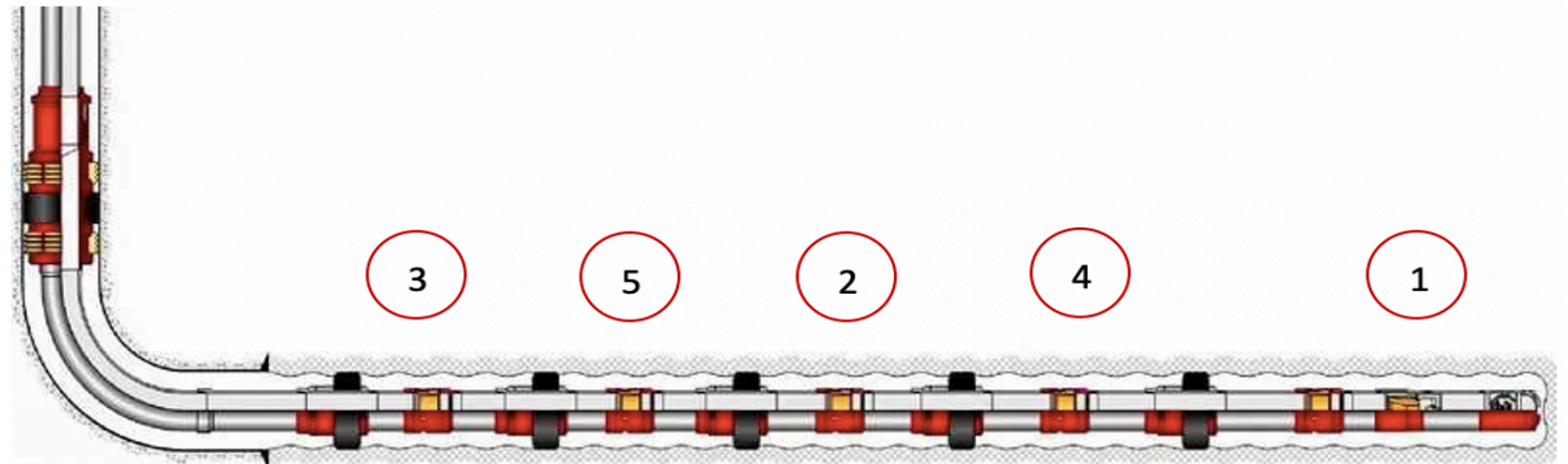
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Problem statement

- In the context of the annual depletion of oil reserves in most oil and gas enterprises, as well as against the background of complex macroeconomic indicators, improving production efficiency through the introduction of advanced technologies has an important and key role in production
- The search for technologies in the field of construction and completion of wells aimed at increasing the efficiency of involving "new" reserves in development is a primary task for the entire block of engineering and technical workers - specialists in the field of drilling, development and geology.

Solution methods

- One of the recent technical and technological solutions is application of multi-zone hydraulic fracturing (MZHF) technology in horizontal section of well
- In the direction of optimizing the technology the Texas-Two-Step (TTS) technology can be used. Its idea is to change the sequence of the HF stages



Conclusions

Results, implementation

- Using this technology, a solution was found to the issue of producing reserves of low-permeability formations, which made it possible to involve new areas in the development and increase the efficiency of producing deposits already in operation. The integration of horizontal wells with MZHF into existing systems and the development of an approach to the formation of new development systems makes it possible to obtain additional production, increase oil recovery factor (ORF) and increase the profitability of producing hard-to-recover reserves

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