WELL WORKOVER PROBLEMS IN CURRENT CONDITIONS OF OIL FIELDS EXPLOITATION

Background
Modern oilfield operating conditions require from service companies to improve a hardware and software technology, based on the increase of the «complexity» of workover, which in turn leads to an increase in labor, material and financial resources. However, the changed conditions of the exploitation of oil and gas fields, which caused increasing «complexity» of workover by standard methods of using mobile lifting units, or even by means of coiled tubing technology does not provide the up-to-date classification of complex repair works, making it difficult to study the cost of the repairs service enterprises specializing in workover. Which in turn has an impact on the prospects for further development of the technologies of well workover, as service companies to date, are the main driving force for the development of high technologies in the oil and gas sector.

Aims and Objectives
Improving the quality of repair work in modern conditions of operation of oil and gas fields.

Methods
The mechanism of the effect of changing the operating conditions of oil and gas fields in the oil and gas service in the provision of services for the workover was analyzed.

Results
1. The influence of the level of technical equipment and technological support of service workover organizations on producing oil and gas companies was substantiated.
2. Changed conditions of the exploitation of oil and gas deposits have increased the «complexity» of workovers, by increasing the requirements for works.
3. The need to work on the classification of complex workovers using coiled tubing is caused by increased applicability of the overhaul technology using coiled tubing unit.
4. Expanding the classification of complex workover allows to justify the cost of repairs, as well as to quantify the quality of work performed by service companies, taking into account the degree of difficulty of work, which in turn will improve the quality of the overhaul of the well.

Conclusion
The effectiveness of the exploitation of oil fields in the modern market economy depends on the development of workover technologies, which in turn requires the revision of the existing classification of complex repair work, taking into account the specifics of repair at the present stage of field development. In this case, the expansion of classification of complex repairs will allow to justify the cost of repairs, as well as to quantify the quality of work performed by service companies, taking into account the degree of difficulty of work, which is justified by worn out downhole equipment and its operating life.

Key words: problems, exploitation, service, well, workover, field, classification
References


5. Vaganov Yu.V., Kustyshev A.V., Mededkarimov E.Sh. Izolyatsiya pritoka plastovykh vod s pomoshch’yu koltyubingovoi ustanovki na gazovykh me storozhdeniyakh Zapadnoi Sibiri [Insulation of Formation Water Influx with the Help of Coiled Tubing Unit in the Gas Fields of Western Siberia]. Vremya koltyubinga – Coiled Tubing Times, 2013, No. 2, pp. 6-12. (in Russ.).


The authors

• Vaganov Yuriy V., Candidate of Technical Sciences
Service Oil Company OOO
Head of Industrial-Technological Department
5, office 601, Ordzhonikidze str., Tyumen, 625002, Russian Federation
tel: (3452) 56-11-14 add. 204
e-mail: vaganov_yv@snk-tmn.ru

• Kustyshev Denis A., Candidate of Technical Sciences
TyumenNIIGiprogas OOO
Senior Researcher
2, Vorovskogo str., Tyumen, 625019, Russian Federation
tel: (3452) 28-66-94
e-mail: kustishev@tngg.info