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Integrated treatment of formation waters of oil deposits of the republic of bashkortostan

Goryntseva K., Kemalov A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© Research India Publications 2015. The objective of this paper is selection rationale in such trend of development of the regional economy as extraction of some components from formation waters of oil deposits such as (I, Br, Sr, etc.) and selection of the most appropriate extraction methods. In separate regions and Russia in general integrated utilization of subsurface waters with the specific mineral composition may play an important role in the successful development of economy [1]. Subsurface waters are produced during the process of development of hydrocarbon reservoirs together with oil being very valuable material resources given there is the specific procedure of treatment of these products. On the territory of the Republic of Bashkortostan development of oil deposits that have entered the final and late stage of exploitation is performed. Nearly the entire infrastructure of these facilities is designed for utilization of formation oil waters for extraction of valuable micro-components. To increase the oil recovery rate at the oil deposits water flood has been used for a long time as the result of which the fluid produced is heavily watered and concurrently with oil significant formation waters volumes are produced. Besides, at the deposits there are plenty of idle wells that can also be used for production of mineral waters with further production of valuable products.

Keywords

Chemical analysis, Formation waters, Micro-elements, Treatment