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## Effects of core structure and clay mineral on gel-forming performance of chromium polymer

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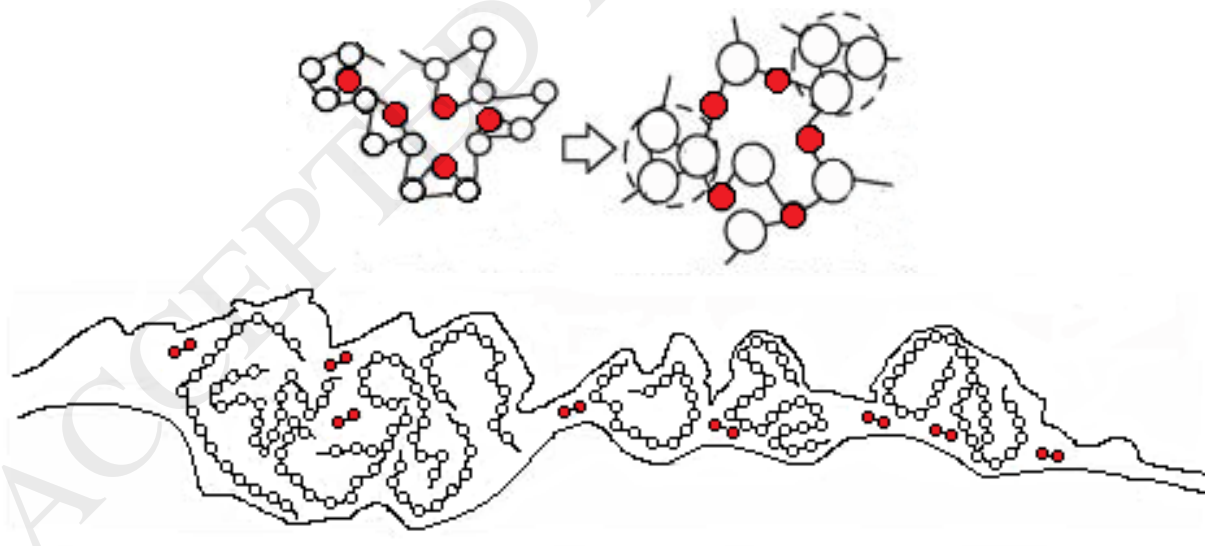
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### GRAPHICAL ABSTRACT

$\text{Cr}^{3+}$  polymer gel flooding, an effective EOR technique, has been tested in some reservoirs (LDT-1, LDF-2 and NBTF-2) of Bohai oilfield--an offshore oilfield in China. Its performance demonstrates that this technique can significantly increase oil production and reduce water cut. However, the comprehension of this technique is still insufficient to satisfy its application requirements, which restrains its further application and improvement. As a result, this paper studies the comprehensive effects of core structure and clay mineral on gel-forming performance of chromium polymer, on the basis of reservoir and fluid properties of Bohai Oilfield.



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