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Study of Gelatin as Biodegradable Shale Hydration Inhibitor

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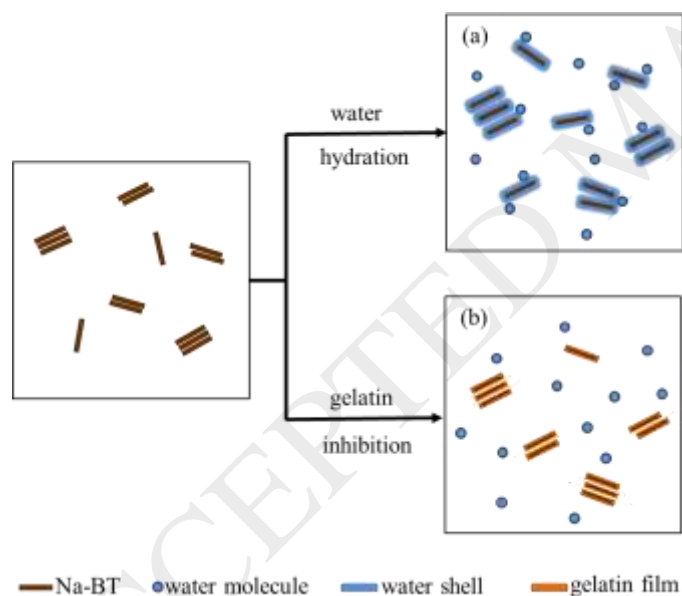
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Graphical abstract



Hydration of MMT in water and inhibition in gelatin solution.

ABSTRACT

In order to develop a biodegradable and efficient shale inhibitor, gelatin, a biodegradable amino polymer, was introduced as a potential shale inhibitor. The inhibitive properties were evaluated by linear swelling test, hot-rolling recovery test and montmorillonite (MMT) plate soaking test. The

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