

## عنوان مقاله:

Determining The Optimal Amount Of Sulfate Ions In Enhanced Oil Recovery By Smart Water

## محل انتشار:

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## نویسنده:

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## خلاصه مقاله:

Almost half of the discovered oil are in carbonated reservoirs which are more like fractured reservoirs. One of the most emerged practical methods in these domain is the sea water injection method. So far, few researchers have been able to increase the amount of oil recovery from the reservoir by reducing the salt concentration, inactive ions and increasing the active ion concentrate. In this study, it has been tried to determine the optimized amount of the sulfate ion which is the main active ion. Hence the zeta potential tests, spontaneous imbibition and contact angle for different concentrations of these ions were designed. As a result, the optimal amount of sulfate ions in the smart water was observed four times more than sulfate.

## کلمات کلیدی:

zeta potential, spontaneous imbibition, contact angle, smart water

## لینک ثابت مقاله در پایگاه سیویلیکا:

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