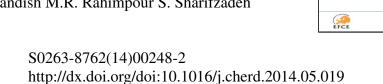
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ACCEPTED MANUSCRIPT

Wettability alteration in gas-condensate carbonate reservoir using anionic fluorinated treatment

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Research Highlights

- Wettability alteration to gas wetness is proposed to Sarkhun rock.
- The treatment is consisted of an anionic fluoro-surfactant with an optimized solvent.
- The effect of this method is evaluated by various tests.
- Brine and condensate imbibition decrease after treatment.
- The relative permeability increase by a factor of 1.7.

During gas production from gas condensate reservoirs, as the bottom hole pressure drops below the dew point pressure, the liquids drop out and form condensate banking resulting

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