

## عنوان مقاله:

Investigation of Various factors on Relative Permeability Curves in a Low-Permeability Carbonate Reservoir of Iran

## محل انتشار:

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## خلاصه مقاله:

this paper summarizes the experiments conducted to investigate the effects of various factors on oil - water relative permeability curves under both ambient and reservoir temperatures in a low-permeability carbonate reservoir of iran . The effects of different factors on the relative permeabilities of oil - water systems under ambient conditions are known in the literature . however , there are few examples of experimental work in iranian carbonate reservoirs dealing with the effect of these factors under reservoir conditions . therefore, in this work the effects of wettability and net overburden pressure and the impacts of ambient and reservoir temperature on relative permeability curves were studied. at reservoir temperatures the oil relative permeability for the mixed and oil wet carbonate samples decreases at all oil saturations compared to those under ambient conditions. the opposite results wer obtained for the water relative permeability. also the crossover saturations in relative permeability tests at reservoir temperature showed .more oil wetness in comparison to tests at ambient temperature

## کلمات کلیدی:

wettability, carbonate, relative permeability , temperature , core flooding

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/103267>

