

## عنوان مقاله:

Investigation of Fracture Configuration on Miscible Displacement In Fractured Core Considering Gravity Drainage

## محل انتشار:

دهمین کنگره ملی مهندسی شیمی ایران (سال: 1384)

تعداد صفحات اصل مقاله: 15

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## خلاصه مقاله:

This paper discusses about the effect of fracture configuration on miscible displacement in fractured core by numerical simulation of miscible displacement experiment. By analyzing the effluent concentration curve we can investigate that how different fracture configuration can affect the miscible displacement performance. In the entire numerical model fracture aperture was more than 300 microns, which exceed than field scale of fracture aperture. Good match was obtained between experimental data and compositional numerical model. Result shows that location and width of horizontal fractured which are in vertical direction to flow have a little effect on effluent concentration. It was also found that when sub oriented fractures are connected together the effect of matrix becomes negligible and break through of injected fluid from matrix is not clear in the effluent concentration curve and the effect of sub horizontal fracture (vertical direction to flow) on effluent concentration when connected to the main vertical fracture .was observed at the late time and cause to delay in producing 100% of injected fluid

## کلمات کلیدی:

Fractured core –Miscible displacement –Effluent concentration-Compositional model – Gravity drainage-Viscous Cross Flow

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/23615>

