

عنوان مقاله:

Effect of Wettability on the Oil Recovery

محل انتشار:

پنجمین همایش بین المللی نفت، گاز، پتروشیمی و HSE (سال: 1399)

تعداد صفحات اصل مقاله: 6

نویسنده:

D Madani Tehrani

خلاصه مقاله:

Understanding formation wettability is crucial for optimizing oil recovery. The oil versus water wetting preference influences many aspects of reservoir performance, particularly in water flooding and enhanced oil recovery techniques. Oil recovery efficiency depends on the interplay of many interacting factors, mechanisms, properties, etc. at pore levels as well as macroscopic scales. Among the many identified factors that affect pore displacement mechanism is the reservoir wetting state. Information about wettability is fundamental to understanding multiphase flow problems ranging from oil migration from source rocks through primary production mechanisms to enhanced oil recovery processes.

کلمات کلیدی:

wettability, oil recovery, water flooding

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1150262>

