

عنوان مقاله:

A New Scaling Equation to determine the effect of the temperature, molecular weight of n-alkane precipitants and solvent to oil ratio on asphaltene deposition for an Iranian Oil Reservoir

محل انتشار:

یازدهمین کنگره ملی مهندسی شیمی ایران (سال: 1385)

تعداد صفحات اصل مقاله: 8

نویسندگان:

Rostami Dehka - Pars Petro Zagros Co. (PPZ), No. ۱۵, Elahi (۲۴) st., Asadabadi St., Yousef Abad, Tehran, Iran

Ashouri - Petroleum Engineering and Development Co, Tehran, Iran

Sajjadian - Arvandan Oil and Gas Production Co., Tehran, Iran

خلاصه مقاله:

Asphaltene flocculation, precipitation and deposition is a considerable problem in the oil industry especially within reservoir, in the production facilities and in general, in both upstream and downstream petroleum operations. The major goals of this research were to investigate the effect of different factors such as temperature, solvent/oil ratio, and molecular weight of solvent on the asphaltene deposition for an Iranian oil reservoir. The previous works are discussed and a new modified temperature-dependent scaling equation is introduced. The results showed that all experimental data for scaling equation and new temperature-dependent scaling equation collapsed onto a same curve. The scaling representation of the data also implies a universal property for the onset of precipitation

کلمات کلیدی:

,Asphaltene, Precipitation, Deposition, Scaling equation, Temperature, Molecular weights

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/30851>

