

## عنوان مقاله:

Methods for measuring asphaltene deposition in flowing system

## محل انتشار:

اولین کنفرانس ملی (نفت، گاز و پتروشیمی) (سال: 1393)

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## خلاصه مقاله:

Asphaltene precipitation is one of the most serious problems which usually occur in oil wells, petroleum production, processing and transportation facilities. Heavy organic component precipitation, especially asphaltene, could cause blockage of wellbore and reduce well productivity, hence affecting recovery efficiency. Therefore, it is necessary to pay attention and find solution to overcome with this problem. In this study a home made pipe-loop set up was used to study oil stability at various conditions. Thermal, washing and Image Analysis method were utilized to measure deposition thickness. The results indicated that asphaltene deposition inside the tube has been well formed. Furthermore analysis of accumulated asphaltene in the tube shows that amount of asphaltene is significant. New techniques have been proposed here to measure the amount of asphaltene deposition

## کلمات کلیدی:

Asphaltene, Dynamic flow, Washing Method

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/327633>

