

عنوان وبینار: Asphaltene flow assurance: current and future state of the art

ارائه دهنده: دکتر وحید تقی خانی

زبان ارائه: انگلیسی

زمان: ۱۳۹۹/۹/۲۴

Chemical & Petroleum Engineering Department

Asphaltene flow assurance: current and future state of the art

Formation, precipitation and deposition of heavy organic compounds of petroleum fluids including, but not limited to, asphaltenes in oil reservoirs and production systems are by far the most important and challenging flow assurance problem. The annual costs borne to compensate the decline in production due to such deposits are mind-blowing. Therefore, preventative actions to control organic deposits in oil formations and production systems which can lead inevitably to reduction or cessation in production, have always been a main challenge for oil producers. Many research activities have been so far conducted to tackle this burning issue in petroleum industry. In this seminar, some new approaches to control and constantly monitor the aggregation and deposition of asphaltene particles, precipitated out from real crude samples, will be presented. Also, some novel techniques for online monitoring and simulation the asphaltene aggregation and deposition in production tubings will be discussed. Finally, the current and future state-of-the-art in asphaltene flow assurance will be left as a food for thought.



Prof. Vahid Taghikhani

Department of Chemical &
Petroleum Engineering, SUT



Sharif University of Technology

IA Office

Monday, December 2020 ,14

13:00 IRST