



## Core scale modelling and experimental data analyses

Taheriotaghsara, Mirhossein; Eftekhari, Ali Akbar; Nick, Hamid

*Publication date:*  
2019

*Document Version*  
Publisher's PDF, also known as Version of record

[Link back to DTU Orbit](#)

*Citation (APA):*

Taheriotaghsara, M., Eftekhari, A. A., & Nick, H. (2019). *Core scale modelling and experimental data analyses*. Abstract from Danish Hydrocarbon Research and Technology Centre Technology Conference 2019, Kolding, Denmark.

---

### General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Core scale modelling and experimental data analyses

Mirhossein Taheriotaghsara, PhD student at DHRTC, Ali Eftekhari, Hamid Nick

Mirhossein Taheriotaghsara

AWF.1

The impact of ionic modification on improvement of oil recovery at core scale is modeled using one dimensional transport flow system that is couple with a surface complexation model. The obtained results from the model were compared with the performance of core flooding tests reported in the literature. Consideration of ionic interaction in terms of ion adsorption resulted in enhancement of model predictively. Also, the role of ionic adsorption in the appearance of oil bank in tertiary mode were explained.

