



Reservoir Souring; Life Goes On Underground

A large-scale 3D simulator to investigate souring, scale, and corrosion

Mahmoodi, Ali; Jahanbani , Moein; Alizadeh , Mohammadreza; Nick, Hamid

Publication date:
2021

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

[Link back to DTU Orbit](#)

Citation (APA):

Mahmoodi, A., Jahanbani , M., Alizadeh , M., & Nick, H. (2021). *Reservoir Souring; Life Goes On Underground: A large-scale 3D simulator to investigate souring, scale, and corrosion*. Abstract from DHRTC Technology Conference 2021 , 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.

Reservoir Souring; Life Goes On Underground

A large-scale 3D simulator to investigate souring, scale, and corrosion

Ali Mahmoodi, Moein Jahanbani, Mohammadreza Alizadeh, Hamid Nick

This poster exhibits our plan on creating an integrated model of reservoir souring, scale precipitation, and corrosion inside a reservoir in form of a large-scale simulator. There will be an illustration on the overall model and the relationship among the various comprising segments of it, such as reservoir simulator, component transport model, geochemical model, and well flow model. A view of the reservoir case we are working on is also shown to demonstrate the soul of the idea.