



Society of Petrophysicists and Well Log Analysts
Qatar Chapter

c/o North Oil Company
P.O. Box 21264, Doha, Qatar; Phone +974 4401 3759



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Virtual Technical Talk

The SPWLA – Qatar Chapter cordially invites you to a technical talk

Date: 23rd November 2020
Time: 12:00 – 13:00 Qatar Time
Venue: Zoom Virtual Meeting
Details **Zoom Meeting ID: 873 6937 1760**
Meeting Passcode: 646041

Presenter: Helene Berntsen Auflem - Chief Engineer, STRATUM Reservoir
Topic: RELATIVE PERMEABILITY BEST PRACTICE FOR STEADY STATE METHOD

Relative Permeability measurements curves are one of the key input parameters for dynamic reservoir engineer simulation, modelling and production forecasting.

Proper core samples preparation, wettability, experimental design, data quality assurance/control and evaluation are vital for a successful and representative laboratory core flood experiments, with in situ saturation monitoring at full reservoir conditions, using live fluids.

This presentation will provide procedural insight into state-of-the-art steady state Relative Permeability methodology with recommendations, challenges and advantages/disadvantages.

It will also consider results interpretation, including core flood simulation and history matching, for determine more accurate relative permeability data.

Biography:

Helene Berntsen Auflem is a Chief Engineer in the STRATUM Reservoir Advanced Special Core Analysis department in Trondheim, Norway.

Helene has a Master's degree in Chemical Engineering from the Norwegian University of Technology and Science, NTNU, and have been working with Stratum Reservoir since 2007. She has extensive experience managing large SCAL projects in both Europe and the Middle east region.

Mayor field of expertise is dynamic SCAL and HTHP core floods, with extensive experience in Relative Permeability and Wettability in addition to experience from IOR and EOR HTHP core floods. This includes waterfloods, WAG, HTHP miscible gas injections, Huff- n-Puff, low salinity flooding and formation damage studies.