



## **Bridging The Gap: Scaling Up Core-Flooding Experiments for Chalk Reservoir Field Simulations**

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## BRIDGING THE GAP: SCALING UP CORE-FLOODING EXPERIMENTS FOR CHALK RESERVOIR FIELD SIMULATIONS

*B. Hosseinzadeh, A. A. Eftekhari, and H.M. Nick.*

Numerous studies have highlighted the favorable effects of modified salinity water (MSW) injection on enhanced oil recovery through core flooding experiments. However, substantial challenges persist in translating these findings from the laboratory to field-scale applications, primarily due to a limited understanding of the underlying mechanisms. Therefore, comprehensive insights into reservoir properties, rock-fluid interactions, and appropriate design strategies are necessary. This study addresses the current challenges in upscaling the observed benefits of MSW, as measured in core flood experiments, to field-scale models for chalk reservoirs.

