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Pore-scale experimental investigation of low-salinity waterflooding for enhanced oil recovery

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Low-salinity waterflooding (LSWF) is a promising enhanced oil recovery method that has shown exciting results in various experiments conducted at different scales. With the development of imaging technologies, micro-CT is also employed to investigate LSWF and the synergistic effects of low-salinity brine and polymer. Micro-CT enables the observation of fluid behaviors and the explanation of mechanisms, providing a comprehensive understanding of the pore-scale displacement process during LSWF.

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References

Conference Proceedings

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