

DAFTAR RUJUKAN

- Ahmed, T. (1946). Reservoir Engineering Handbook. In *Analytical Biochemistry* (Fifth Edit, Vol. 11, Nomor 1).
- Alotaibi, M. B., Azmy, R. M., & Nasr-El-Din, H. A. (2010). A comprehensive EOR study using low salinity water in sandstone reservoirs. *SPE - DOE Improved Oil Recovery Symposium Proceedings*, 2(April), 1454–1473. <https://doi.org/10.2118/129976-ms>
- Anderson, W. G. (1985). Wettability Literature Survey - Part 1: Rock-Oil-Brine Interactions and the Effects of Core Handlding on Wettability. *Society of Petroleum Engineers of AIME, (Paper) SPE*.
- Austad, T., RezaeiDoust, A., & Puntervold, T. (2010). Chemical mechanism of low salinity water flooding in sandstone reservoirs. *Proceedings - SPE Symposium on Improved Oil Recovery*, 1, 679–695. <https://doi.org/10.2118/129767-ms>
- Awolayo, A. N., Sarma, H. K., & Nghiem, L. X. (2018). Brine-dependent recovery processes in carbonate and sandstone petroleum reservoirs: Review of laboratory-field studies, interfacial mechanisms and modeling attempts. *Energies*, 11(11). <https://doi.org/10.3390/en11113020>
- Ayirala, S. C., & Yousef, A. A. (2016). A Critical Review of Alternative Desalination Technologies for Smart Waterflooding. *Oil and Gas Facilities*, 5(05), 1–12. <https://doi.org/10.2118/179564-pa>
- Aziz, D. A. C., Mohammadian, E., Rosli, N. R., Yusoff, N. H., & Othman, N. (2020). The Effect of Kaolinite on Oil Recovery by Low Salinity Waterflooding in Sandstone Reservoirs. *International Journal of Mechanical and Production Engineering Research and Development*, 10(3), 15533–15540. <https://doi.org/10.24247/ijmperdjun20201478>
- Cao, J., Chen, Y., Wang, X., Zhang, J., Li, Y., Hua, Z., Wang, X., & Zhao, S. (2022). Low-salinity nanofluid – A smart fluid enhanced oil recovery method. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 648(May), 129204. <https://doi.org/10.1016/j.colsurfa.2022.129204>
- Dang, C. T. Q., Nghiem, L. X., Chen, Z., & Nguyen, Q. P. (2013). Modeling low

- salinity waterflooding: Ion exchange, geochemistry and wettability alteration. *Proceedings - SPE Annual Technical Conference and Exhibition*, 6(1995), 4302–4323. <https://doi.org/10.2118/166447-ms>
- Delshad, M., & Pope, G. A. (1989). Comparison of the three-phase oil relative permeability models. *Transport in Porous Media*, 4(1), 59–83. <https://doi.org/10.1007/BF00134742>
- Don, G., dan Willhite, G.P. 1986. Enhanced Oil Recovery. Texas: Society of Petroleum Engineers.
- Dordzie, G., & Dejam, M. (2021). Enhanced oil recovery from fractured carbonate reservoirs using nanoparticles with low salinity water and surfactant: A review on experimental and simulation studies. *Advances in Colloid and Interface Science*, 293, 102449. <https://doi.org/10.1016/j.cis.2021.102449>
- Etemadi, A., Khodapanah, E., & Tabatabaei-Nejad, S. A. (2017). Modelling low-salinity waterflooding: Effect of divalent cations and capillary pressure. *Journal of Petroleum Science and Engineering*, 149(June 2016), 1–8. <https://doi.org/10.1016/j.petrol.2016.10.012>
- Fattahi Mehraban, M., Farzaneh, S. A., Sohrabi, M., & Sisson, A. (2020). Novel Insights into the Pore-Scale Mechanism of Low Salinity Water Injection and the Improvements on Oil Recovery. *Energy and Fuels*, 34(10), 12050–12064. <https://doi.org/10.1021/acs.energyfuels.0c01599>
- Hadia, N. J., Ashraf, A., Twehey, M. T., & Torsæter, O. (2013). Laboratory investigation on effects of initial wettabilities on performance of low salinity waterflooding. *Journal of Petroleum Science and Engineering*, 105, 18–25. <https://doi.org/10.1016/j.petrol.2013.03.014>
- Hien, D., Giao, P. H., Ngoc, P. Q., Quy, N. M., Dung, B. V., Huy, D. D., Giang, P. T., & Long, H. (2021). Numerical simulation of low salinity water flooding on core samples for an oil reservoir in the nam con son basin, vietnam. *Energies*, 14(9). <https://doi.org/10.3390/en14092658>
- Imuokhue, P. I., Ohenhen, I., & Olafuyi, O. A. (2020). Screening criteria for waterflood projects in matured reservoirs: Case study of a Niger Delta Reservoir. *Society of Petroleum Engineers - SPE Nigeria Annual International Conference and Exhibition 2020, NAIC 2020*. <https://doi.org/10.2118/203701->

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- Jerauld, G. R., Lin, C. Y., Webb, K. J., & Seccombe, J. C. (2008). Modeling low-salinity waterflooding. *SPE Reservoir Evaluation and Engineering*, 11(6), 1000–1012. <https://doi.org/10.2118/102239-pa>
- Lager, A., Webb, K. J., Collins, I. R., & Richmond, D. M. (2008). LoSalTM enhanced oil recovery: Evidence of enhanced oil recovery at the reservoir scale. *Proceedings - SPE Symposium on Improved Oil Recovery*, 3, 1313–1324. <https://doi.org/10.2118/113976-ms>
- Latil M. 1980. Enhanced Oil Recovery. Gulf Publishing Company. Houston, Texas. Halaman 35-58.
- Mahani, H., Berg, S., Ilic, D., Bartels, W. B., & Joekar-Niasar, V. (2015). Kinetics of low-salinity-flooding effect. *SPE Journal*, 20(1), 8–20. <https://doi.org/10.2118/165255-pa>
- Mehana, M., Fahes, M., Kang, Q., & Viswanathan, H. (2020). Molecular simulation of double layer expansion mechanism during low-salinity waterflooding. *Journal of Molecular Liquids*, 318, 114079. <https://doi.org/10.1016/j.molliq.2020.114079>
- Mehraban, M. F., Farzaneh, S. A., & Sohrabi, M. (2021). Debunking the Impact of Salinity on Crude Oil/Water Interfacial Tension. *Energy and Fuels*, 35(5), 3766–3779. <https://doi.org/10.1021/acs.energyfuels.0c03411>
- Mohan, K. K., Vaidya, R. N., Reed, M. G., & Fogler, H. S. (1993). Water sensitivity of sandstones containing swelling and non-swelling clays. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 73(C), 237–254. [https://doi.org/10.1016/0927-7757\(93\)80019-B](https://doi.org/10.1016/0927-7757(93)80019-B)
- Mohd, T. A. T., & Jaafar, M. Z. (2019). Adsorption of anionic sodium dodecyl sulfate surfactant on local sand and kaolinite surfaces: The prospect of Alkaline and Salinity. *International Journal of Recent Technology and Engineering*, 7(6), 972–979.
- Mokhtari, R., Ayatollahi, S., & Fatemi, M. (2019). Experimental investigation of the influence of fluid-fluid interactions on oil recovery during low salinity water flooding. *Journal of Petroleum Science and Engineering*, 182(June), 106194. <https://doi.org/10.1016/j.petrol.2019.106194>

- Morrow, N., & Buckley, J. (2011). Improved Oil Recovery by Low-Salinity Waterflooding. *Journal of Petroleum Technology*, 63(05), 106–112. <https://doi.org/10.2118/129421-jpt>
- Nasralla, R. A., & Nasr-El-Din, H. A. (2014). Double-layer expansion: Is it a primary mechanism of improved oil recovery by low-salinity waterflooding? *SPE Reservoir Evaluation and Engineering*, 17(1), 49–59. <https://doi.org/10.2118/154334-PA>
- Pål Skalle. (2015). *Pål Skalle Drilling Fluid Engineering*.
- Purswani, P., Tawfik, M. S., & Karpyn, Z. T. (2017). Factors and Mechanisms Governing Wettability Alteration by Chemically Tuned Waterflooding: A Review. *Energy and Fuels*, 31(8), 7734–7745. <https://doi.org/10.1021/acs.energyfuels.7b01067>
- Rukmana, D. (2020). Technical Guidelines Water Flood (Secondary Recovery). *Global Energy Assessment (GEA)*, 1(April), 1815–1822. <https://doi.org/10.1017/cbo9780511793677.033>
- Rukmana, D., Kristanto, D., & Aji, V. D. C. (2012). *Buku Teknik Reservoir: Teori dan Aplikasi*. Pohon Cahaya.
- Seccombe, J., Lager, A., Jerauld, G., Jhaveri, B., Buikema, T., Bassler, S., Denis, J., Webb, K., Cockin, A., Fueg, E., & Paskvan, F. (2011). Demonstration of low-salinity eor at interwell scale, endicott field, Alaska. *Society of Petroleum Engineers Western North American Regional Meeting 2011*, 2008, 12–23.
- Sharma, M. M., & Filoco, P. R. (2000). Effect of brine salinity and crude-oil properties on oil recovery and residual saturations. *SPE Journal*, 5(3), 293–300. <https://doi.org/10.2118/65402-PA>
- Sheng, J. J. (2014). Critical review of low-salinity waterflooding. *Journal of Petroleum Science and Engineering*, 120, 216–224. <https://doi.org/10.1016/j.petrol.2014.05.026>
- Shojaei, M. J., Ghazanfari, M. H., & Masihi, M. (2015). Relative permeability and capillary pressure curves for low salinity water flooding in sandstone rocks. *Journal of Natural Gas Science and Engineering*, 25(June 2018), 30–38. <https://doi.org/10.1016/j.jngse.2015.04.023>
- Song, W., & Kovscek, A. R. (2016). Direct visualization of pore-scale fines

- migration and formation damage during low-salinity waterflooding. *Journal of Natural Gas Science and Engineering*, 34, 1276–1283. <https://doi.org/10.1016/j.jngse.2016.07.055>
- Tang, G. Q., & Morrow, N. R. (1999). Influence of brine composition and fines migration on crude oil/brine/rock interactions and oil recovery. *Journal of Petroleum Science and Engineering*, 24(2–4), 99–111. [https://doi.org/10.1016/S0920-4105\(99\)00034-0](https://doi.org/10.1016/S0920-4105(99)00034-0)
- Tetteh, J. T., Brady, P. V., & Barati Ghahfarokhi, R. (2020). Review of low salinity waterflooding in carbonate rocks: mechanisms, investigation techniques, and future directions. *Advances in Colloid and Interface Science*, 284, 102253. <https://doi.org/10.1016/j.cis.2020.102253>
- Thakur, G. (1998). INTEGRATED WATERFLOOD ASSET MANAGEMENT. In *PennWell* (Vol. 6, Nomor 1).
- Yildiz, H. O., & Morrow, N. R. (1996). Effect of brine composition on recovery of Moutray crude oil by waterflooding. *Journal of Petroleum Science and Engineering*, 14(3–4), 159–168. [https://doi.org/10.1016/0920-4105\(95\)00041-0](https://doi.org/10.1016/0920-4105(95)00041-0)
- Zhang, Y., Morrow, N. R., & Wyoming, U. (2006). Spe-99757-Ms. *Comparison of Secondary and Tertiary Recovery With Change in Injection Brine Composition for Crude Oil/Sandstone Combinations*. <https://doi.org/10.2118/99757-MS>
- Zhang, Y., Xie, X., & Morrow, N. R. (2007). Spe-109849-Ms. *Waterflood Performance by Injection of Brine With Different Salinity for Reservoir Cores*.