

DAFTAR PUSTAKA

- Abdallah, W., Buckley, J., Carnegie, A., Edwards, J., Herold, B., Edmund, F., Graue, A., Habashy, T., Seleznev, N., Signer, C., Hussain, H., Montaron, B., Ziauddin, M. (2007): Fundamentals of Wettability, *Schlumberger Wettability Workshop*, Bahrain.
- Adisoemarta, P. S., Anderson, G. A., Frailey, S. M., & Asquith, G. B. (2001): Saturation Exponent n in Well Log Interpretation: Another Look at Permissible Range, *Paper SPE No. 70043, SPE Permian Basin Oil and Gas Recovery Conference*, Midland, Texas, Society of Petroleum Engineers Inc.
- Al-Hilali, M. M., Al-Abideen, M. J., & Adegbola, F. (2015): A Petrophysical Technique to Estimate Archie Saturation Exponent (n); Case Studies in Carbonate and Shaly-Sand Reservoirs – IRAQI Oil Fields, *Paper SPE No. 177331, SPE Annual Caspian Technical Conference & Exhibition*, Baku, Azerbaijan: Society of Petroleum Engineers.
- Alotaibi, M., Nasralla, R., & Nasr-El-Din, H. (2010): Wettability Challenges in Carbonate Reservoirs, *Paper SPE No. 129972, SPE Improved Oil Recovery Symposium*, Oklahoma, USA, Society of Petroleum Engineers.
- American Petroleum Institute (1998): *Recommended Practice for Core Analysis 2nd*, API publishing service.
- Amyx, J.W., Bass, D.M. JR, Whitting, R.L. (1960): *Petroleum Reservoir Engineering Physical Properties*, Mc Graw Hill Books Company, New York, Toronto, London.
- Anderson, W. G. (1986): Wettability Literature Survey - Part 1: Rock/Oil/Brine Interactions and the Effects of Core Handling on Wettability, *Journal of Petroleum Technology*, 1125-1144.
- Anderson, W. G. (1986): Wettability Literature Survey - Part 2: Wettability Measurement, *Journal of Petroleum Technology*.
- Archie, G.E., (1942): The electrical resistivity log as an aid in determining some reservoir characteristics, *Tran. AIME*, 146, 54-67.
- Asquith, G., & Krygowski, D. (2004): *Basic Well Log Analysis (Second Edition)*.

- Oklahoma, The American Association of Petroleum Geologists.
- Brown, R., & Fatt, I. (1956): Measurements of Fractional Wettability of Oil Field Rocks by the Nuclear Magnetic Relaxation Method, *AIME Transactions*, 207, 262-264.
- Causin, E., & Bona, N. (1994): In-Situ Wettability Determination: Field Data Analysis, *Paper SPE No. 28825, European Petroleum Conference*, 25-27 October, London, United Kingdom.
- Chakravarty, K. H., Fosbol, P. L., & Thomsen, K. (2015): Brine Crude Oil Interactions at the Oil-Water Interface, *Paper SPE No. 174685, SPE Enhanced Oil Recovery Conference*, Kuala Lumpur, Society of Petroleum Engineers.
- Chilingar, G., & Yen, T. (1983): Some Notes on Wettability and Relative Permeabilities of Carbonate Reservoir Rocks, *Energy Sources*, 7, No.1, 67- 75.
- Clementz, D. (1976): Interaction of Petroleum Heavy Ends With Montmorillonite, Clays and Clay Minerals, *Journal of Petroleum Technology*, 24, 312-319.
- Clementz, D. (1977): Clay Stabilization in Sandstones Through Adsorption of Petroleum Heavy Ends, *Journal of Petroleum Technology*, 1061-1066.
- Coates, G., and J. L. Dumanoir, (1973): Anew approach to improve log-derived permeability, *Soc. Professional Well Log Analysts, 14th Ann. Logging Symp.*, Trans., paperR.
- Craft, B. C., & Hawkins, M. F. (1991): *Applied Petroleum Reservoir Engineering, Second Edition*, New Jersey, Prentice Hall, Inc.
- Craig, F. F. (1971): *The Reservoir Engineering Aspect of Water Flooding*, SPE Monograph Series, Volume 3, Richardson, Texas.
- Dake, L. P. (1978): *Fundamentals of Reservoir Egnineering*, Amsterdam, The Netherlands, ELSEVIER SCIENCE B.V.
- Desbrandes, R. (1989): In Situ Wettability Determination Improves Formation Evaluation, *Petroleum Engineer International*, USA.
- Desbrandes, R., & Gualdron, J. (1988): In Situ Rock Wettability Determination with Wireline Formation Tester Data, *The Log Analyst*, 244 - 252.
- Dodge, W.S.Sr., Shafer, J.L., dan Klimentidis, R.E. (1996): Capillary Pressure: The

- Key To Productible Porosity, *SPWLA 37th Annual Logging Symposium*, June 16 – 19.
- Donaldson, E. C. and Siddiqui T. K. (1989): Relation between Archie saturation exponent and wettability, *Paper SPE No. 16790, SPE Formation Evaluation*, pp. 359-362.
- El-Khatib, N. (1995): Development of a Modified Capillary Pressure J-Function, *Paper SPE No. 29890, presented at The SPE Middle East Oil Show, Bahrain, Society of Petroleum Engineers*.
- Graham, J. W. (1958): Reverse-Wetting Logging, *Trans. AIME*, 213, 304-09.
- Greengold, G. (1986): The Graphical Representation of Bulk Volume Water on the Pickett Crossplot, *The Log Analyst*, V.27, No.3.
- Hall, A., Collins, S., & Melrose, J. (1983): Stability of Aqueous Wetting Films in Athabasca Tar Sands, *Paper SPE No. 10626, SPEJ*, 23, No.2, 249-259.
- Hassler, G. L., & Brunner, E. (1945): Measurement of Capillary Pressures in Small Core Samples, *Paper SPE No. 945114, Transactions of the AIME*, v. 160.
- Holmes, M. and Tippie, D. (1977): Comparisons between log and capillary pressure data to estimate reservoir wetting, *Paper SPE No. 6856, Ann. Fall, Mtg.*
- Honarpour, M.M., Djabbarah, N.F., dan Kralik, J.G. (2004): Expert-Based Methodology for Primary Drainage Capillary Pressure Measurements and Modeling, *Paper SPE No. 88709, presented at the 11 th Abu Dhabi International Petroleum Exhibition and Conference held in Abu Dhabi, UEA, October 10 – 13*.
- Ibrahim, A., Desbrandes, R., & Bassiouni, Z. (1994): Derive Capillary Pressure From Well Logs, *Petroleum Engineer International*, 38-41.
- Jakosky, J., & Hopper, R. (1937): The Effect of Moisture on the Direct Current Resistivities of Oil Sands and Rocks, *Geophysics*, Vol.2, 33-38.
- Johansen, R., & Dunning, H. (1959): Relative Wetting Tendency of Crude Oil by the Capillarimetric Method, *Producers Monthly*, 23, No. 11, 20-22.
- Keller, G. V. (1953): Effect of Wettability on the Electric Resistivity of Sand, *Oil and Gas Journal*, pp 62-65.
- Krygowski, D. A., & Cluff, R. M. (2012): Pattern Recognition in a Digital Age: A Gameboard Approach to Determining Petrophysical Parameters, *AAPG*

- ACE, United States of America.
- Leverett, M. (1938): Flow of Oil-water Mixtures Through Unconsolidated Sands, *Trans. AIME*, 132, 349.
- Lewis, M., Sharma, M., & Dunlap, H. (1988): Wettability and Stress Effect Saturation and Cementation Exponents, *SPWLA 29th Ann. Logging Symposium*.
- Lo, H. Y. & Mungan, N. (1973): Effect of temperature on water-oil relative permeability in oilwet and water-wet systems, *Paper SPE No. 4505, 48th Annual Conf.*, Las Vegas – NV, Sept 30 – Oct 3, 12 pp.
- Longeron, D., Argaud, M., & Feraud, J. (1986): Effect of Overburden Pressure, Nature and Microscopic Distribution of the Fluids on Electrical Properties of Samples, *Paper SPE No. 15383, Conference: Society of Petroleum Engineers annual technical conference and exhibition*, New Orleans.
- Martin, M., Murray, G., & Gillingham, W. (1938): Determination of the Potential Productivity of Oil-bearing Formations by Resistivity Measurements, *Geophysics*, Vol.3, No.3, 258-272.
- Melrose, J. (1982): Interpretation of Mixed Wettability States in Reservoir Rocks, *Paper SPE No. 10971, SPE Annual Technical Conference and Exhibition*, New Orleans.
- Mungan, N. and Moore, E. J. (1968): Certain wettability effects on electrical resistivity in porous media, *Journal of Canadian Petroleum Technology*, 7, 20-25.
- Phelps, G. D., Stewart, G., & Peden, J. M. (1984): The Effect of Filtrate Invasion and Formation Wettability on Formation Tester Measurements, *Paper SPE No. 12962, European Petroleum Conference*, London, Society of Petroleum Engineers.
- Pierce, C. I., and R. B. Lowe. (1958): Some Tests Related to Resistivity Water-Saturation Measurement of Appalachian Sandstone Specimens, *Bumines Rept. Of Inv. 5389*, pp. 8-18.
- Pirson, S. (1963): *Handbook of Well Log Analysis*, Prentice-Hall.
- Poston, S.W., Ysrael, S.C., Hossain, A.K.M.S., Montgomery, E.F. & Ramey, H.J., Jr. (1970): The effect of temperature on irreducible water saturation and

- relative permeability of unconsolidated sands, *Paper SPE No. 1897, Soc. Petrol. Eng. J.*, Vol. 10, No.2, June, pp. 171 – 180.
- Reed, J. (2018): *Classical Petrophysical Measurements of Wettability*, SCA Wettability Short Course.
- Romero, P., Bruzual, G., dan Suárez, O. (2002): Determination of Rock Quality In Sandstone Core Plug Samples Using NMR, *SCA International Symposium Monterey*, California, USA., 22-25 September.
- Rust, C. F. (1957): A Laboratory Study of Wettability Effect on Basic Core Parameters, *Paper SPE No. 986G, presented at the SPE Venezuelan Second Annual Meeting*, Caracas, Veneuela.
- Rust, C. F. (1952): Electrical Resistivity Measurement on Reservoir Rock Sample by the Two-Electrode and Four-Electrode Methods, *Trans., AIME*, Vol.192, pp.217-224.
- Salathiel, R. (1973): Oil Recovery by Surface Film Drainage in Mixed-Wettability Rocks, *Journal of Petroleum Technology*, 1216-1224.
- Sanyal, S. K. (1973): Effect of temperature on the electrical resistivity of porous media, *The Log Analyst*, Vol.14, p.4-24.
- Sohal, M. A., Thyne, G. and Sogaard, E. G. (2016): Review of Recovery Mechanisms of Ionically Modified Waterflood in Carbonate Reservoirs, *Energy & Fuels* 30(3): 1904-1914.
- Swanson, B. F. (1985): Microporosity in Reservoir Rocks: Its Measurement and Influence on Electrical Resistivity, *SPWLA 26th Annual Logging Symposium*, 17-20 June, Dallas, Texas.
- Sweeney, S., & Jennings, H. (1960): Effect of Wettability on the Electrical Resistivity of Carbonate Rock from a Petroleum Reservoir, *J. Phys. Chem.*, 64, 551-553.
- Szabo, M. T. (1970): New Methods for Measuring the Imbibition Capillary Pressure and Electrical Resistivity Curves by Centrifuge, *Paper SPE No. 3038, 45th Ann. Fall Meeting of Soc. Petr. Engrs*, Houston, Texas, 4-7 October.
- Thomas, D.C and Pugh, V.J. (1989): A Statical analysis of the accuracy and reproductibility of standard core analysis, *The Log Analyst*, 30(2): 70-77.

- Tiab, D., & Donaldson, E. C. (2004): *Petrophysics (Second Edition)*, Gulf Professional Publishing.
- Timur, A. (1968): An Investigation of Permeability, Porosity and Residual Water Saturation Relationships, *SPWLA 9 th Annual Logging Symposium*, June 23 – 26.
- Toumelin, E. and Torres-Verdín, C. (2005): Influence of Oil Saturation and Wettability on Rock Resistivity Measurements: A Uniform Pore-Scale Approach, *SPWLA 46th Annual Logging Symposium*, New Orleans, Louisiana.
- Treiber, L., Archer, D., & Owens, W. (1972): A Laboratory Evaluation of the Wettability of Fifty Oil Producing Reservoirs, *Paper SPE No. 3526, SPE Journal*, 531-540.
- Walstrom, J. E. (1950): Optimum Use of Various Testing Methods in Exploratory Wells, *paper presented at the Drilling and Production Practice*, New York, USA, 1 January, API-50-079.
- Walstrom, J. E., Mueller, T. D., McFarlane, R. C. (1967): Evaluating Uncertainty in Engineering Calculations, *Paper SPE No. 1928, Conference: 42. annual SPE of AIME fall meeting*, Houston, TX, USA.
- Walstrom, J. E. (1972): A Review of Formation Evaluation, *Paper SPE No. 4187, SPE California Regional Meeting, Bakersfield, California*.
- Wihdany, Falza I. (2017): Penentuan In-Situ Wettability: Suatu Studi Kasus Reservoir Karbonat, Tesis Program Magister, Institut Teknologi Bandung.
- Worthington, P. F., Toussaint-Jackson, J. E., Pallatt, N. (1988): Effect of sample preparation upon saturation exponent in the magnus field, *U.K. North Sea Log Analysis*, 29 (1), 48-53.
- Zahid, A., Stenby, E., & Shapiro, A. (2010): Improved Oil Recovery in Chalk: Wettability Alteration or Something Else?, *Paper SPE No. 131300, SPE EUROPEC/EAGE Annual Conference and Exhibition*, Barcelona, Spain, Society of Petroleum Engineers.