DAFTAR PUSTAKA

Abbaszadeh, M., Fujii, H., & Fujimoto, F. (1996). Permeability prediction by hydraulic flow units - Theory and applications. *SPE Formation Evaluation*, *11*(4), 263–271. https://doi.org/10.2118/30158-PA

Akbar, M. N. A., & Permadi, P. (2013). *Karakterisasi Reservoir: Studi Kasus Sumur Marginal Reservoir Characterization: Case Study of a Marginal Field*. *1*.

Amaefule, J. O., Altunbay, M., Tiab, D., Kersey, D. G., & Keelan, D. K. (1993). Enhanced reservoir description: using core and log data to identify hydraulic (flow) units and predict permeability in uncored intervals/ wells. *Proceedings - SPE Annual Technical Conference and Exhibition*, *Omega*(c), 205–220. https://doi.org/10.2523/26436-ms

Archie, G. E. (2003). The Electrical Resistivity Log as an Aid in Determining Some Reservoir Characteristics. *SPE Reprint Series*, *55*, 9–16. https://doi.org/10.2118/942054-g

Asquith, G., & Krygowski, D. (2004). *Basic Well Log Analysis for Geologists (Second Edition)*.

Breiman, L., & Freidman, J. H. (1985). Estimating Optimal Transformations for Multiple Regression and Correlation. *Journal of the American Statistical Association*. Vol. 80, No. 391, 580-598.

Corbett, P. W. M., & Potter, D. (2004). Petrotyping: A basemap and atlas for navigating through permeability and porosity data for reservoir comparison and permeability prediction. *Paper SCA2004-30 Presented at the International Symposium of the Society of Core Analysts*, *January 2004*, 5–9.

Dolson, J.C., Bahorich, M.S., Tobin, R.C., Beaumont, E.A., Terlikoski, L.J., Hendricks, M.L., 1999. Exploring for stratigraphic traps. In: Beaumont, E.A., Foster, N.H. (Eds.), Exploring for Oil and Gas Traps. AAPG Treatise Handbook, vol. 3.

Downey, M.W., 1994. Hydrocarbon seal rocks. In: Magoon, L.B., Dow, W.G. (Eds.), The Petroleum System: From Source to Trap, 60. AAPG Memoir, pp. 159164.

Ebanks, W. J., Scheihing, M. H., & Atkinson, C. D. (1993). Flow units for reservoir characterization. *Development Geology Reference Manual - AAPG Methods in Exploration*, *10*(10), 526.

Gomes, J. S., Ribeiro, M. T., Strohmenger, C. J., Negahban, S., & Kalam, M. Z. (2008). Carbonate reservoir *rock typing* - The link between geology and

SCAL. *Society of Petroleum Engineers - 13th Abu Dhabi International Petroleum Exhibition and Conference, ADIPEC 2008*, *3*, 1643–1656. https://doi.org/10.2118/118284-ms

Glover, P. W. J. (2000). Petrophysics MSc PetroleumGeology. *Department of Geologyand Petroleum GeologyUniversity of AberdeenUK a. Petrophysics MSc Course Notes on Clay/Shale Effects on Porosity and Resistivity Logs P*, 281.

Harsono, A. (1997). *Pengantar Evaluasi Log*. Schlumberger Data Service.

Heidrick, T. L., & Aulia, K. (1993). *A Structural and Tectonic Model of the Coastal Plains Block, Central Sumatra Basin, Indonesia*. *Indonesia Petroleum Association, 22nd Annual Convention*, IPA 93-1. 1-179 Jakarta.

Longeley, I., Barraclough, R., Bridden, M. A., Less, B. S. (1990). *Environmental Science, Geology, Geography*. Pematang *Lacustrine Source Rocks from the Malacca Strait PSC, Central Sumatra, Indonesia*.

Paper, C., & Machowski, W. (2011). *Preliminary analysis of petrophysical parameters of the W gas field as an introduction to CO2 injection using Eclipse ® simulator*. *June 2014*, 5–9.

Rider, M. (2002). *The Geological Interpretation of Well Logs, 2nd Edition, revised 2002*. Scotland: Whittles publishing.

Sclumberger. (1989). *Log Interpretation Principles/Applications*. Texas: Sclumberger Wireline & Testing.

Skerlec, G.M., 1999. Evaluating top and fault seals. In: Beaumont, E.A., Foster, N.H. (Eds.), Exploring for Oil and Gas Traps. AAPG Treatise Handbook, vol. 3.

Tiab, D., & Donaldson, E. C. (2003). Petrophysics: Theory and Practice of Measuring Reservoir Rock and Fluid Transport Properties: Second Edition. In *Petrophysics: Theory and Practice of Measuring Reservoir Rock and Fluid Transport Properties: Second Edition* (2nd Editio). Gulf Professional Publishing. https://doi.org/10.1016/B978-0-7506-7711-0.X5000-2

Wibowo, A. S., & Permadi, P. (2013). A type curve for carbonates *rock typing*. *Society of Petroleum Engineers - International Petroleum Technology Conference 2013, IPTC 2013: Challenging Technology and Economic Limits to Meet the Global Energy Demand*, *3*(March), 1817–1828. https://doi.org/10.2523/iptc-16663-ms

Widhiyatmoko, M., Putri N. I., Zajuli, M. H. , Iskandar, Y., Siallagan, I. R., Gumilar. I. S., dan Nurdiana, I. (2022). *Petrofisika Dan Pemodelan Untuk Evaluasi Potensi Hidrokarbon Shale Cekungan Sumatra Tengah* . *Jurnal*

Geologi dan Sumberdaya Mineral Vol. 23 No. 4 November 2022 hal. 205-215

Xue, G., Datta-Gupta, A., Valko, P., Blasingame, T.,Texas A&M U. (1997). .Optimal Transformations for Multiple Regression: Application to Permeability Estimation from Well Logs. SPE Formation Evolution. 85-93.

LAMPIRAN

1. Ascii file SENG

```
# LAS format log file

# Project units are specified as depth units

#================================================================
~Version information

VERS.   2.0:
WRAP.   NO:
#================================================================
~Well
STRT .m        :38.7096
STOP .m        :1264.9150
STEP .ft       :0.00000000
NULL .         :-999.250000

COMP.          : COMPANY

WELL.  SENG-1   : WELL

FLD.           : FIELD

LOC.           : LOCATION

SRVC.          : SERVICE COMPANY

DATE.          : Wednesday, February 19 2014 14:24:22

PROV.          : PROVINCE

UWI.           : UNIQUE WELL ID

API.           : API NUMBER

#================================================================
~Curve
```

DEPT .m : DEPTH

SP .mV : SP

GRST .gAPI : GRST

CAL1 .in : CAL1

LLD .ohm.m : LLD

MSF .ohm.m : MSF

LLS .ohm.m : LLS

BHC .us/ft : BHC

LDL .g/cm3 : LDL

CNL .ft3/ft3 : CNL

~Parameter
#==========
==========
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0.850499988 0.759899974 152.5 -999.25 -999.25
499.5964608 -0.411900014 75.74819946 12.0539999 0.657100022
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0.86619997 0.41870001 152.3999939 -999.25 -999.25
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0.86619997 0.41870001 152.3999939 -999.25 -999.25
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0.878400028 0.779799998 152.3000031 -999.25 -999.25
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0.878400028 0.779799998 152.3000031 -999.25 -999.25
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0.959900022 0.590499997 152 -999.25 -999.25

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