

REFERENCES

- Aki, K. and Richards, P.G, 1980. Quantitative Seismology: Theory and Methods, 1st Edition. W.H. Freeman and Company.
- Asquith, G., and D. Krygowski, 2004. Basic Well Log Analysis. The American Association of Petroleum Geologists.
- Avseth, P., T. Mukerji, and G. Mavko, 2005. Quantitative Seismic Interpretation; Applying Rock Physics Tools to Reduce Interpretation Risk. Cambridge University Press.
- Bacon, M., Simm, R. and Redshaw, T., 2003. 3-D Seismic Interpretation. Cambridge University Press.
- Batzle, M., and Wang, Z., 1992. Seismic properties of pore fluids. *Geophysics*, 57, 1396-1408.
- Biot, M. A., 1941. General theory of three – dimensional consolidation. *Journal of Applied Physics*, 12 (2), 155 -164.
- Bortfield, R., 1961. Approximation to the reflection and transmission coefficients of plane longitudinal and transverse waves. *Geophysics Prospecting*, 9, 485-503.
- Breare, M. J., 1993. A sequence stratigraphic approach for defining the Tertiary and Quaternary of the Nam Con Son Basin, offshore Vietnam. Proceedings of the 1st international seminar on the stratigraphy of the southern continental shelf of Vietnam, January.
- Castagna, J. P., M. L. Batzle, and R. L. Eastwood, 1985. Relationships between compressional-wave and shear-wave velocities in clastic silicate rocks. *Geophysics*, 50, 571–581.

- Castagna, J. P and Smith, W, 1995. Comparison of AVO indicators: A modeling study. *Geophysics*, 59 (12), 1849-1855.
- Castagna, J. P., and Swan, H.W., 1995. Principles of AVO crossplotting. *Geophysics*, 16 (4), 337-344.
- Castagna, J. P., and Swan, H.W., and Foster, D. J., 1998. Framework for AVO gradient and intercept interpretation. *Geophysics*, Society of Exploration Geophysicists, 63, 948–956.
- Chiburis, E., C. Frank, S. Leaney, S. Mchugo and C. Skidmore, 1993. Hydrocarbon detection from AVO. *Oilfield Review*, January ed., 42-50.
- Connolly, P., 1999. Elastic impedance. *The Leading Edge*, 18 (4), 438-452.
- CGG, 2015. Hampson – Russell software Reference Manuals – HRS-9. Website: cgveritas.com/hampson-russell, May 2015.
- Fraser, A. J., 1994. Structural geology and development of Nam Con Son Basin, Socialist of Vietnam. BP.
- Gardner, G.H.F., Gardner, L.W., and Gregory, A.R., 1974. Formation velocity and density – the diagnostic basics for stratigraphic traps. *Geophysics*, 39, 770 - 780.
- Gassmann, F., 1951. Über die Elastizität poroser Medien. *Vierteljahrsschrift der Naturforschenden Gesellschaft in Zurich*, 96, 1-23.
- Google Earth , 2015. Website: <https://earth.google.com>, April 18.
- Greenberg, M. L. and Castagna, J.P., 1992. Shear wave velocity estimation in porous rocks: theoretical formulation, preliminary verification and application. *Geophysical Prospecting*, 40 (2), 195 – 209.
- Gregory, A.R., 1977. Aspects of rock physics from laboratory and log data that are important to seismic interpretations. *AAPG Memoir*, 26, 15-46.
- Han, D.H., Nur, A., and Morgan, D., 1986. Effects of porosity and clay content on wave velocities in sandstones. *Geophysical Prospecting*, 7, 38 - 44.

- Han, De-hua, and Batzle, M. L., 2004. Gassmann's equation and fluid-saturation effects on seismic velocities. *Geophysics*, 69, 398-405.
- Hutchison, C. S. 1989. Geological evolution of South-East Asia. Oxford, Oxford Science Publications, 368.
- Matthews, S. J., 1997. Structure, stratigraphy and petroleum geology of the SE Nam Con Son Basin, offshore Vietnam. Special Publications, Geological Society, London, 126, 89-106.
- Matthews, S. J. and Todd, S. P., 1993. A tectonostratigraphic model for the southern Nam Con Son Basin, offshore Vietnam. Proceedings of the 1st international seminar on the stratigraphy of the southern continental shelf of Vietnam, January.
- Myung, W.L., 2003. Elastic properties of overpressured and unconsolidated sediments. U.S Geological Survey Bullettin 2214.
- Ostrander, W. J., 1984. Plane-wave reflection coefficient for gas sand at non-normal angles of incidence. *Geophysics*, 49, 1637-1648.
- PetroVietnam, 2016. Personal communication.
- Ross, C.P. and Kinman, D.L., 1995. Non-bright-spot AVO: Two examples. *Geophysics*, 60 (5), 1398-1408.
- Rutherford, S.R and Williams, R.H., 1989. Amplitude-versus-offset variations in gas sands. *Geophysics*, 54 (6), 680-688.
- Sams, M. and Sausus, D., 2013. Rock physics contraints on seismic inversion. Ikon Science, London.
- Savic, M., VerWest. B., Masters. R., Sena. A. and Gingrich. D., 2000. Elastic Impedance Inversion in Practice. SEG Technical Program Expanded Abstracts, 689-692.
- Schlumberger, 1972. Log Interpretation Volume 1: Principles. Schlumberger Limited, New York.

- Schlumberger, 1998. Petrel software help system. Schlumberger Limited, New York.
- Shuey, R.T., 1985. A simplification of the Zoeppritz equations. *Geophysics*, 50, 609-614.
- Simm, R., White, R. and Uden, R., 2000. The anatomy of AVO crossplot. *The Leading Edge*, 19 (2), 150-155.
- Simm, R. and Bacon, M., 2014. *Seismic Amplitude: An Interpreter's Handbook*, 1st Edition. Cambridge University Press.
- Smith, T. M., Sondergeld, C. H., and Rai, C. S., 2003, Gassmann fluid substitutions: A tutorial. *Geophysics*, 68, 430-440.
- Tin, N.T. and Ty, N.D., 1994. Petroleum geology of the Nam Con Son Basin. AAPG International Conference and Exhibition 1994, Kualar Lumpur, Malaysia.
- Veeken P. C. H. and Da Silva, M., 2004, Seismic inversion methods and some of their constraints. *First break*, 22, 47-70.
- Walls J., Dvorkin J. and Carr M. R. 2004. Rock Solid Images: Well Logs and Rock Physics in Seismic Reservoir Characterization. Offshore Technology Conference, 3 May-6 May, Houston, Texas.
- Wang, Z.Z, 2001. Fundamentals of seismic rock physics. *Geophysics*, 66 (2), 398–412.
- Whitcombe, D.N., 2002. Elastic impedance normalization (Short Note). *Geophysics*, 67 (1), 60-62.
- White, R. and Simm, R., 2003. Tutorial: Good practice in well ties. *First break*, 21 (10).