

REFERENCES

- Alves, F., Almeida, J.A., and Silva, A.P., 2014. Simulation of acoustic impedance images by stochastic inversion of post-stack seismic reflection amplitudes and well data, *Journal of Petroleum Science and Engineering*, v. 121, p. 52-66.
- ARCO Petroleum, 1992. Petroleum Report Series, Ministry of Economic Development, New Zealand, PR 1824.
- Asquith, G., and D. A. Krygowski, Basic well log analysis, 2004. The American Association of Petroleum Geologists, The second edition of exploration series, 2004, ISBN: 0-89181-667-4.
- Barnes, A. E., 2001. Seismic attributes in your facies, *Canadian Society of Exploration Geophysicists Recorder*, v. 26, p. 1-14. Website: <http://csegrecorder.com/articles/view/seismic-attributes-in-your-facies>
- Bhatia, A.B., Sing, R.N., 1986. *Mechanics of Deformable Media*: University of Sussex Press.
- Bosch, M., Mukerji, T., and Gonzalez, E.F., 2010. Seismic inversion for reservoir properties combining statistical rock physics and geostatistics: A review, *Geophysics*, v. 75, p. 75A165–75A176.
- CGG, 2009. Hampson-Russell Assistant: STRATA Theory, Hampson-Russell Software, STRATA User Guide.
- Conoco Northland Ltd., 2002-2003. Karewa-1 Well Completion report, p. 7-37.
- Cooke, D. A. and Schneider, W.A., 1983. Generalized linear inversion of reflection seismic data: *Geophysics*, v. 48, p. 665-676.
- Crain, E.R., 2016, Crain's petrophysical handbook, Website: <https://www.spec2000.net/>

- dGB earth Sciences, 2015. Opendtect user documentation-version 5.0, Website:
http://www.opendtect.org/images/PDF/od_userdoc_5.0.pdf
- Dolberg, D.M., Helgsen, J., Hanssen, T., H., Magnus, I., and Pedersen, B.K., 2000. Porosity prediction from seismic inversion, Lavrans field, Halten terrace, Norway, *The Leading Edge*, v. 19, p. 392-399.
- Francis, A., 2005. Limitations of deterministic and advantages of stochastic seismic inversion, *Canada Society Exploration Geophysics*, p. 5-11.
- Gavotti, P. E., 2014. Model-based inversion of broadband seismic data: MS Thesis, University of Calgary, Calgary, Alberta, Canada
- Geotrade, 2009. Website: <http://www.geotrade.com/index.php?id=117>.
- Hampson, D, and Russell, B. 1999. A comparison of post-stack seismic inversion methods, *Society Exploration Geophysics*, p. 876-878.
- Hansen, R.J., Kamp, P.J.J., 2006. An integrated biostratigraphy and seismic stratigraphy for the late Neogene continental margin succession in northern Taranaki Basin, New Zealand, *New Zealand Journal of Geology and Geophysics*. v. 49, p. 39–56, doi:10.1080/00288306.2006.9515146.
- King, P.R., G.P., Thrasher, 1996. Cretaceous-Cenozoic Geology and Petroleum Systems of the Taranaki Basin, New Zealand, Lower Hutt Institute of Geological Systems and Nuclear Sciences (N.Z.), Monograph 13: X-191, p. 243.
- Lindseth, R.O., 1979. Synthetic sonic logs – A process for stratigraphic interpretation, *Geophysics*, v. 44, p. 3-26.
- New Zealand Petroleum and Minerals, 2016. Taranaki basin factsheet, Website:
<http://www.nzpam.govt.nz/cms/investors/doc-library/petroleum-basins/taranaki-basin-factsheet.pdf>.
- Pendrel, J., 2006. Seismic inversion - A critical tool in reservoir characterization, *Scandinavian oil-gas magazine*, v. 5/6, p. 19-22.

- Russell, B., and D. Hampson, 2006. The old and the new in seismic inversion, Canadian Society of Exploration Geophysicists, v. 31, no. 12, p. 5–12.
- Russell, B., and D. Hampson., 1991, Comparison of poststack inversion methods: 61st Annual International Meeting, Society of Exploration Geophysicists, Expanded Abstracts, v. 10, p. 876-878.
- Schlumberger, 1991. Log interpretation principal/application, Schlumberger Education Services, Texas, p. 228.
- Sheriff, R.E., 2002. Encyclopedic dictionary of exploration geophysics, Society of Exploration Geophysics, Fourth Edition, p. 429.
- Simm and Bacon, 2014, Seismic Amplitude: An Interpreter's Handbook: Cambridge University Press, p. 47-150.
- Sismanto, 2006. The basic of acquisition and processing of seismic data, Geophysics Laboratory, Faculty of Science, Gajah Mada University, Indonesia, 2006.
- Taner, M. T., 2001. Seismic attributes, Canadian Society of Exploration Geophysicists Recorder, p. 48-56.
- Veeken, P.C.H., and Da Silva, M., 2004, Seismic inversion methods and some of their constraints, First Break, v. 22, p. 47-70.
- Wyllie, M.R.J., Gregory, A.R., and Gardner, G.H.F., (1958). An experimental investigation of factors affecting elastic wave velocities in porous media, Geophysics, v. 28, p. 459-493.