

NXT Energy Solutions Inc.

Summary of Technical Reference Materials

(February 2015)

References

Anderson, B.M., Taylor, J.M. and Galitski, V.M. (2011). "Interferometry with synthetic gauge fields." *Physical Review A* **83**, 031602.

Bell, J.S. (1996). "In situ stresses in sedimentary rocks (Part II): Applications of stress measurements." *Geoscience Canada* **23**(3), 135–153.

Dake, L.P. (2001). *The Practice of Reservoir Engineering*, Elsevier.

Finkbeiner, T. (1999). *In Situ Stress, Pore Pressure and Hydrocarbon Migration and Accumulation in Sedimentary Basins*, Ph.D. thesis, Stanford University.

Hayes, T.J. (2008). *Using Gravity as a Proxy for Stress Accumulation in Complex Fault Systems*, Ph.D. thesis, University of Western Ontario.

Hayes, T.J., Tiampo, K.F., Fernandez, J. and Rundle, J.B. (2008). "A gravity gradient method for characterizing the post-seismic deformation field for a finite fault." *Geophysical Journal International* **173**, 802–805.

Hillis, R.R. (2001). "Coupled changes in pore pressure and stress in oil fields and sedimentary basins." *Petroleum Geoscience* **7**, 419–425.

McCulloh, T.H. (1967). *Mass Properties of Sedimentary Rocks and Gravimetric Effects of Petroleum and Natural-Gas Reservoirs*, Geological survey professional paper 528-A, U.S. Department of the Interior.

Prieto, C. (1998). "Gravity/magnetic signatures of various geologic models - An exercise in pattern recognition." *Geologic Applications of Gravity and Magnetics: Case Histories*, AAPG & SEG, 20–27.

Silva, P. R. (1997). "A new interpretation of the de Broglie frequency." *Physics Essays* **10**(4), 628-632.

Street, R.L., Watters, G.Z. and Vennard, J.K. (1996). *Elementary Fluid Mechanics*, 7th edition, John Wiley & Sons.

NXT Publications

Cotton J. and Mustaqeem, A. (2010). *The Geologic and Geophysical Integration of SFD[®] Data Offshore Colombia, Block RC 4 & 5*, NXT Internal Report, Calgary, Canada.

Escalera, J.A., García, M.V., Olazarán, J.J.H., Ponce, A., García, O.V., Cardador, M.H. and Liszicasz, G. (2013). "Application of stress field detection (SFD[®]) technology for identifying areas of hydrocarbon potential in the Gulf of Mexico region." *Next Generation Oil & Gas Summit Latin America*, Cartagena, Colombia.

Liszicasz, G., Mustaqeem, A., Khan, M.R., Bhatti, M.A. and Hussain, A. (2013). "SFD[®] (Stress Field Detection) and its integration with seismic in Kharan Forearc Basin and its implications for hydrocarbon exploration in a frontier area." *SPE/PAPG Annual Technical Conference*, Islamabad, Pakistan.