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KARAKTERISASI RESERVOIR DAN PERHITUNGAN VOLUMETRIK CADANGAN MINYAK  
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DAN INTERPRETASI SEISMIK PADA FORMASI TENSLEEP DI LAPANGAN TEAPOT DOME,  
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## DAFTAR PUSTAKA

- Abdullah, A. 2007. *Ensiklopedi Seismik Online*. Jakarta.
- Anna, L.O. 2009. *Total Petroleum Systems and Geologic Assessment of Oil and Gas Resources in the Powder River Basin Province, Wyoming and Montana*. Wyoming : U. S. Geological Survey Bulletin, Chapter 1.
- Asquith, G. and Gibson, C. 1982, *Basic Well Log Analysis Geologists*, Oklahoma, The American Association of Petroleum Geologists.
- Asquith, G. and Krygowski, D., 2004, *Basic Well Log Analysis, 2nd Edition*, Oklahoma, The American Association of Petroleum Geologist.
- Barbat, W.N., 1967, Crude oil correlations and their role in exploration: American Association of Petroleum Geologists Bulletin, v. 51, no. 7, p. 155–1292.
- Bateman, R.M., and Konen, C.E., 1977, *The Log Analyst and the Programmable Pocket Calculator Part II - Crossplot Porosity and Water Saturation*, The Log Analyst, Nov-Dec 1977.
- Britt, T.L., and Howard, E.L, 1982, *Oil and gas potential of the central Utah hingeline-thrust belt region, in Powers, R.B., ed., Geologic studies of the Cordilleran thrust belt*, Rocky Mountain Association of Geologists guidebook, p. 475–505.
- Brown, W.G. 1993. *Structural style of Laramide Basement-cored uplifts and associated folds*, in Snone, A.W., Steidtmann, J.R., and Roberts, S.M. editors, *Geology of Wyoming : Geology Survey of Wyoming Memoir No.5*, p 312-371.
- Ciftci, B.N., Aviantara, A.A., Hurley, N.F., and Kerr, D.R., 2004, *Outcrop-based three-dimensional modeling of the Tensleep Sandstone at Alkali Creek, Bighorn Basin, Wyoming*, in Grammer, G.M., Harris, P.M., and Eberli, G.P., eds., *Integration of outcrop and modern analogs in reservoir modeling*. American Association of Petroleum Geologists Memoir, v. 80, p. 235–259.



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- Claypool, G.E., Love, A.H., and Maughan, E.K., 1978, *Organic geochemistry, incipient metamorphism, and oil generation in Black Shale Members of Phosphoria Formation*. Western Interior United States : American Association of Petroleum Geologists Bulletin, v. 62, no. 1, p. 98–120.
- Cooper, S. 2000. “Deformation within a basement-cored anticline teapot dome,” *Wyoming [MS thesis]: New Mexico Institute of Mining and Technology*, vol. 274.
- Cooper, S. P., J. Lorenz, and L. B. Goodwin, *Lithologic and Structural Controls on Natural Fracture Characteristics: Teapot Dome, Wyoming*. Sandia National Laboratories, 2001.
- Crain, E.R., 2001, *Crain's Petrophysical Handbooks - 3rd Millennium Edition*, Spectrum 2000.
- Darling, T., 2005, *Well Logging and Formation Evaluation*, Elsevier Inc., Jordan Hill, Oxford, UK.
- Dennen, Kristin, Burns, W., Burruss, R., and Hatcher, K. 2005. *Geochemical analyses of oils and gases, Naval Petroleum Reserve No. 3, Teapot Dome Field, Natrona County, Wyoming* : U.S. Geological Survey Open-File Report 2005-1275, p. 63.
- Dodge, Y., 2003, *The Oxford Dictionary of Statistical Terms*, Oxford : Oxford University Press.
- Dolton, G.L., Fox, J.E., Clayton, J.L, 1990, *Petroleum geology of the Powder River Basin, Wyoming and Montana*, Report 88-450 United Stated Department of the Interior – U.S. Geological Survey.
- Ellis, D.V. dan Singer, J.M. 2008. *Well Logging for Earth Scientists*, Edisi ke-2. Springer, Dordrecht.
- Firdaus, M., and Purbantara, A. 2005, introduction to Logging Tools and Log Interpretation : two days courses Elnusa Drilling Services, Tidak dipublikasikan.
- Fox, J. E., G. L. Dolton, and J. L. Clayton, 1991, *Powder River Basin*, in H.J Gluskoter, D. D. Rice, and R. B. Taylor, eds. *Economic geology, U. S. : The geology of North America* : Geological Society of America.



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Universitas Gadjah Mada, 2016 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Frisch, W. 2011. *Plate Tectonics : Continental Drift and Mountain Building*. Springer. New York.

Fryberger, S.G., and Koelmel, M.H., 1986, *Rangely field—Eolian system—Boundary trap in the Permo-Pennsylvanian Weber Sandstone of northwest Colorado*, in Stone, D.S., and Johnson, K.S., eds., *New interpretations of northwest Colorado geology*: Rocky Mountain Association of Geologists Guidebook, Denver, Colorado, p. 129–150.

Garcia, R. G., 2005, Reservoir Simulation of Co<sub>2</sub> Sequestration and Enhanced Oil Recovery in The Tensleep Formation, Teapot Dome Field., Texas A&M University.

Harsono, A. 1997. *Evaluasi Formasi dan Aplikasi Log*, Edisi revisi 8 Mei 1997. Schlumberger Oil Services. Jakarta.

Hilchie, D. W., 1978, *Applied openhole log interpretation*: Golden, Colorado. D. W. Hilchie. Inc.

Johnson, E.A., 2003, *Petroleum systems and geologic assessment of oil and gas in the Uinta-Piceance Province, Utah and Colorado*, in Petroleum systems and geologic assessment of oil and gas in the Uinta-Piceance Province, Utah and Colorado, Chapter 9: U.S. Geological Survey Digital Data Series DDS-69-B, 37 p.

Koesoemadinata, R. P. 1978. *Geologi Minyak dan Gas Bumi*. Penerbit Institut Teknologi Bandung.

Krygowski, D.A., 2003, *Guide to Petrophysical Interpretation*, The American Association of Petroleum Geologists, Austin, Texas.

Lewan, M.D., 1985, *Evaluation of petroleum generation by hydrous pyrolysis experimentation*: Philosophical Transactions of the Royal Society of London, v. 315, p. 123–134.

Mastoadji, E. 2014. *Personal Communication*, PT. Chevron Pacific Indonesia Kantor Distrik Rumbai, Riau.

Maughan, E.K., 1979, *Petroleum source rock evaluation of the Permian Park City Group in the northeastern Great Basin, Utah, Nevada, and Idaho*, in Newman, G.W., and



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Universitas Gadjah Mada, 2016 | Diunduh dari <http://etd.repository.ugm.ac.id/>

- Goode, H.D., eds., *Basin and Range symposium and Great Basin field conference*, 1979: Denver, Rocky Mountain Association of Geologists and Utah Geological Association, p. 523–530.
- Maughan, E.K., 1984, *Geological setting and some geochemistry of petroleum source rocks in the Permian Phosphoria Formation*, in Woodward, J., Meissner, F.F., and Clayton, J.L., eds., *Hydrocarbon source rocks of the Greater Rocky Mountain Region: Rocky Mountain Association of Geologists Guidebook*, p. 281–294.
- Moore, D.A., 1986, *Tensleep, Minnelusa, and Casper Formations, Wyoming and Adjacent States—Study of Permian Pennsylvanian oil occurrence and oil gravity distribution*: American Association of Petroleum Geologists Bulletin abstracts, v. 70, no. 8, p. 1049.
- Nilsen, T., 2004, Teapot Dome, 48-x-28 well: Core descriptions for RMOTC
- NRG Associates, Inc., 2006. *The significant oil and gas fields of the United States*: Colorado Springs, Colorado, NRG Associates, Inc.
- Prasetyo, H. dan Rukmana D. 2009. *Workshop Pedoman Studi Geologi Geofisika Reservoir dan Aplikasinya*. BP Migas. Jakarta.
- Rider, M., 2002, *The Geological Interpretation of Well Logs, 2nd edition*, Whittles Publishing, Scotland.
- Sahidu, M.R.H. 2009. *Pemodelan Geostatistika Sifat Reservoir Dengan Menggunakan Integrasi Data Atribut Seismik Dan Data Evaluasi Formasi Sumur Pada Lapangan "Pa" Cekungan Sumatra Tengah*. Skripsi S-1 Program Studi Geofisika Jurusan Fisika Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Gadjah Mada, Tidak dipublikasikan.
- Saragih. 2005. Prinsip log dan evaluasi formasi. *Presentation slide*.
- Schwartz, B.C., 2006, Fracture Pattern Characterization of the Tensleep Formation, Teapot Dome, Wyoming., Morgantown, West Virginia



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Universitas Gadjah Mada, 2016 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Serra, O., 1984, *Fundamental of Well Log Interpretation*, Elsevier Scince Publishing Company Inc, New York, USA.

Serra, O. and Serra, L., 2004, *Well Logging Data Acquisition and Applications*, Editions Serra log, Mary Corbon, France.

Shearer, P.M., 2009, *Introduction to Seismology*, Cambridge : Cambridge University Press.

Sismanto, 2006a. *Akuisisi Data Seismik*. Yogyakarta : Laboratorium Geofisika Program Studi Geofisika Jurusan Fisika Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Gadjah Mada.

Sismanto, 2006b. *Pemrosesan Data Seismik*. Yogyakarta : Laboratorium Geofisika Program Studi Geofisika Jurusan Fisika Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Gadjah Mada.

Slack, P.B., 1981, *Paleotectonics and hydrocarbon accumulation, Powder River Basin, Wyoming*: American Association of Petroleum Geologists, v. 65, no. 4, p. 730–743.

Stearns, D. W., and M. Friedman, 1972, Reservoirs in fractured rock, in R. E. King, ed., Stratigraphic oil and gas field-Classification, exploration methods, and case histories: AAPG Memoir 16/Society of Exploration Gepophysicist Special Publication 10, p. 82-106.

Sukmono. 1999. *Interpretasi Seismik Refleksi*. Bandung : Jurusan Teknik Geofisika, Institut Teknologi Bandung.

Telford, W.M., Geldart, L.P., Sheriff, R.E. and Keys, D.A., 1976, *Applied Geophysics II*, Cambridge University Press.

Tittman, J., and J. S. Wahl, 1965, *The Physical Foundations of Formation Density Logging (Gamma-Gamma)* : Geophysics, v. 30, p. 284-294.

Wagemann, C. H., 1918, *The Salt Creek oilfield*, Wyoming : U. S. Geological Survey Bulletin.



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Waluyo. 2007. *Diktat Kuliah Seismologi*. Yogyakarta : Laboratorium Geofisika Program Studi Geofisika Jurusan Fisika Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Gadjah Mada.

Zhang, Q., D. Nummedal, and P. Yin, "Stratigraphy, sedimentology and petrophysics of the tensleep sandstone at teapot dome and in outcrop," 2005.