

# Michael R. Hudec

## Publications

November 3, 2011

### Books, Manuals

Hudec, M. R., and Jackson, M. P. A., 2011, The salt mine: a digital atlas of salt tectonics: The University of Texas at Austin, Bureau of Economic Geology, Udden Book Series No. 5, AAPG Memoir 99, 305 p.

Travis, C. J., Vendeville, B. C., Harrison, H., Peel, Frank, Hudec, M. R., and Perkins, B. F., eds., 1995, Salt, sediment, and hydrocarbons: Society of Economic Paleontologists and Mineralogists Foundation, Sixteenth Annual Gulf Coast Section Research Conference, 308 p.

### Reports, Monographs, Brochures, Pamphlets, Bulletins

Hudec, M. R., 2003, Quick-look chart for restoration of salt structures in cross section: The University of Texas at Austin, Bureau of Economic Geology poster + 10-p. booklet.

Jackson, M. P. A., Schultz-Ela, D., Hudec, M. R., Watson, I. A., and Porter, M. L., 2001, Structure and evolution of Upheaval Dome: pinched-off salt diapir or meteoritic impact structure?: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 262, 93 p.

### Guidebooks

Hudec, M. R., and Watson, I. A., 1998, Salt and extensional structures in the northeastern Paradox Basin, Utah: American Association of Petroleum Geologists American Association of Petroleum Geologists Annual Meeting Postmeeting Field Trip Guidebook, 78 p.

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Wehr, F. L., Fairchild, L. H., Hudec, M. R., Shafto, R. K., Shea, W. T., and White, J. P., 2000, Chapter 10. Fault seal: contrasts between the exploration and production problem, *in* Mello, M. R., and Katz, B. J., eds., Petroleum systems of South Atlantic margins: American Association of Petroleum Geologists Memoir, v 73, p. 121–132.

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Nikolinakou, M. A., Luo, Gang, Hudec, M. R., and Flemings, P. B., 2011, Geomechanical modeling of stresses and pore pressures in mudstones adjacent to salt bodies, *in* Proceedings of the 45th U.S. Rock Mechanics/Geomechanics Symposium, San Francisco, June 26–29, 8 p., CD-ROM.

Jackson, M. P. A., Hudec, M. R., and Dooley, T. P., 2010, Some emerging concepts in salt tectonics in the deepwater Gulf of Mexico: intrusive plumes, canopy-margin thrusts, minibasin triggers and allochthonous fragments: The Geological Society, London, Petroleum Geology Conference Series, v. 7, p. 899–912. doi: 10.1144/0070899

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- McDonnell, Angela, Hudec, M. R., and Jackson, M. P. A., 2009, Distinguishing salt welds from shale detachments on the inner Texas shelf, western Gulf of Mexico: *Basin Research*, v. 21, p. 47–59.
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## Thesis

Geology of a portion of the Lewis thrust plate north of Two Medicine Lake, Glacier National Park, Montana: Los Angeles, California, University of Southern California, M.S. thesis, 192 p., 1987.

## Dissertation

The structural and thermal evolution of the central Ruby Mountains, Elko County, Nevada: Laramie, Wyoming, University of Wyoming, Ph.D. dissertation, 272 p., 1990.