

Dave Klepacki, PhD : Publications on Mountain Belts, Balanced sections, and extensional structures overprinting compressional structures_

Peer reviewed journal publications:

Klepacki, D.W., and Batchelor, J.B., 2003, An Active Overthrust Belt and Associated Foredeep in the Chott Region of Central Tunisia – Some Implications for Hydrocarbon Exploration. *In* European Association of Geoscientists and Engineers 1st North African/Mediterranean Petroleum and Geosciences Conference and Exhibition. Tunis 2003.

Murphy, D.C., van der Heyden, P., Parrish, R.R., Klepacki, D.W., McMillan, W., Struik, L.C., and Gabite, J. 1995, New geochronological constraints on Jurassic deformation of the western edge of North America, southeastern Canadian Cordillera. in Jurassic magmatism and tectonics of the North American cordillera, D.M. Miller and C. Busby eds., Geological Society of America special paper 299, pp. 159-172l.

Klepacki, D., Porter-Chaudry, J., and Keith, C., 1992, Improved interpretation from seismic images using prestack time migration: examples from South Alberta. *Canadian Society of Exploration Geophysicists Recorder* v18, n.4, p7-8. April, 1993.

Butler, R.F., Gehrels, G.E., McClelland, W.C., May, S.R., and Klepacki, D.W., 1989, Discordant paleomagnetic poles from the Canadian Coast Plutonic Complex: Regional Tilt rather than large-scale displacement? *Geology*, v.17, no.8, p691-694.

Sheffels, B.M., and Klepacki, D.W., 1985, The Cochabamba fault system: A left-slip fault system in the elbow region of the Andes, Eos, *Transactions of the American Geophysical Union*, V.66 no. 46, p.1088.

Klepacki, D.W., 1977, BSc Hons geological mapping data, Amherst, University of Massachusetts. (Templeton and Barre quadrangles) in *Bedrock Geologic Map of Massachusetts*, E-an Zen et al. 1983, U.S. Geological Survey.

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Klepacki, D. and Umbach, K.E., 1994, An Alberta-Style Triangle Zone Along the Active Thrust Front in Southern Irian Jaya, Indonesia. Canadian Society of Petroleum Geologists/Canadian Society of Exploration Geophysicists Annual Meeting, May 9-12, 1994, Calgary, Alberta.

Klepacki, Dave, 1994, Thrust Fault Linkage and Considerations for Trap Integrity. Canadian Geological Survey of Canada McConnell Talks on Structural Geology, March, 1994.

Covey, M.C., Schmidtke, E.A., Klepacki, D.W., and May, S.R., 1991, Phanerozoic tectonic reconstructions of the Northern Cordillera, Evans and Southerland plate tectonic modeling package. Presented at the 1991 Geological Association of Canada Cordilleran Tectonics Workshop, Feb. 22-24, University of Calgary, Calgary, Alberta

Klepacki, D., 1987, Constructing viable sections in extensional terrains: the critical role of shear orientation and accommodation. Penrose conference: *The Construction of Geologic Cross Sections: Techniques, Assumptions and Methods.*, New Paltz, New York, 1987.

Klepacki, D. W., 1986, *Geology of the Goat Range, Lardeau (82K) and Nelson (82F) Map areas, Southeastern British Columbia*, Geological Survey of Canada Open File Map 1148

Burchfiel, B.C., Walker, J.D., Klepacki, D.W., Hodges, K.V., Tilke, P.G., Crowley, P.D., Jones, C.H., and Davis, G.A., 1985, The Kingston Range detachment system: Structures at the eastern edge of the Death Valley extensional zone, southeastern California, in *Geological Society of America, Abstracts with Programs*, v.17, p.345.

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Klepacki, D.W., editor, 1990, Hydrocarbon exploration in fold and thrust belts, Exxon Production Research proprietary publication EPR.4EX.90, 350p.14 plates.

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Klepacki, D.W., 1989, Structural hydrocarbon trap styles and their distribution *and* Structural development of the Western United States *in* Western Integrated Exploration Study final report. Exxon Production Research proprietary publication EPR.124ES.89,10p. 36 plates.

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Lingrey, S.H., and Klepacki, D.W., 1986, Advanced structural analysis: Compressional tectonics. Guidebook: Fold and thrust belts, the Canadian Rockies. 98p., 65 plates. Exxon Production Research proprietary report.