

**COMBINED LIST OF SELECT PUBLICATIONS**  
**JOHN C. LORENZ AND SCOTT P. COOPER**

**Peer-Reviewed Papers**

- Lorenz, J.C., and Cooper, S.P., 2011, in review, Natural fracture patterns in folded Tensleep sandstone reservoirs, Wyoming, in, Knight, C., and Cuzella, J., *The Application of Structural Methods to Rocky Mountain Hydrocarbon Exploration and Development*, Rocky Mountain Association of Geologists and American Association of Petroleum Geologists Special Publication.
- Lorenz, J.C., 2011, in review, Fractures and strain accommodation in the Tensleep formation at Flat Top Anticline, Carbon County, Wyoming, *in*, Knight, C., and Cuzella, J., *The Application of Structural Methods to Rocky Mountain Hydrocarbon Exploration and Development*, Rocky Mountain Association of Geologists and American Association of Petroleum Geologists Special Publication.
- Cooper, S.P., 2011, in review, Natural fractures and strain accommodation in the Tensleep formation at Beer Mug Anticline, Carbon County, Wyoming, *in*, Knight, C., and Cuzella, J., *The Application of Structural Methods to Rocky Mountain Hydrocarbon Exploration and Development*, Rocky Mountain Association of Geologists and American Association of Petroleum Geologists Special Publication.
- Cooper, S.P., and Lorenz, J.C., 2010, Fracture Variability within the Tensleep Formation, Southeastern Wyoming *in* Fletcher, L., ed., *Unconventional Energy Resources*, 2010 Wyoming Geological Association Field Guidebook, p. 39-50.
- Lorenz, J.C., and Cooper, S.P., 2009, Extension-fracture patterns in sandstones above mobile salt: The Salt Valley Anticline, Arches National Park, Utah, *in*, Houston, W.S., Wray, L.L, and Moreland, P.G., eds., *The Paradox Basin Revisited- New Developments in Petroleum Systems and Basin Analysis*, Rocky Mountain Association of Geologists Special Publication, p. 198-220.
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- Lorenz, J.C., Krystinik, L.F., and Mroz, T.H., 2005, Shear reactivation of fractures in deep Frontier sandstones: Evidence from horizontal wells in the Table Rock Field, Wyoming: *in*, Bishop, M.G., et al. (eds), Gas in Low Permeability Reservoirs of the Rocky Mountain Region: Rocky Mountain Association of Geologists Guidebook, p. 267-288.
- Olsson, W.A., Lorenz, J.C., and Cooper, S.P., 2004, A mechanical model for multiply-oriented conjugate deformation bands: Journal of Structural Geology, v. 26, p. 325-338.
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- Lorenz, J.C., Sterling, J.L., Schechter, D.S., Whigham, C.L., and Jensen, J.L., 2002, Natural fractures in the Spraberry Formation, Midland basin, Texas: The effects of mechanical stratigraphy on fracture variability and reservoir behavior: American Association of Petroleum Geologists Bulletin, v. 86, p. 505-524.
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## **Papers from Proceedings Volumes of the Society of Petroleum Engineers**

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### **Dissertation**

- Lorenz, J.C., 1981, Sedimentary and tectonic history of the Two Medicine Formation, Late Cretaceous (Campanian), northwestern Montana, unpublished PhD thesis, Princeton University, 215 p.



## **Thesis**

Cooper, S.P., 2000, Deformation within a Basement-Cored Anticline: Teapot Dome, Wyoming, unpublished Master's thesis, Department of Earth and Environmental Science, New Mexico Institute of Mining and Technology, Socorro, New Mexico, 274p.

Cooper, S.P., 1997, Gas/Fluid Evolution and the Formation of Rhyolite Dike Associated Breccia Margins at Homestake Gold Mine, Lead SD, unpublished Bachelor's thesis, South Dakota School of Mines and Technology, Rapid City, South Dakota, 59p.

## **Select Sandia National Laboratories Technical Reports**

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Cooper, S.P., Warpinski, N.R., Pawar, R.J., Stubbs, B.A., Benson, R.D., Grigg, R.B., Svec, R.K., Lorenz, J.C., Bartel, L.C., Krumhansl, J.L., Aldridge, D.F., Holcomb, D.J., Jove-Colon, C.F., Byrer, C., McNemar, A., Westrich, H.R., Elbring, G.J., 2008, West Pearl Queen CO<sub>2</sub> Sequestration Pilot Test and Modeling Project to 2006, Sandia National Laboratories Technical Report, SAND2008-3111, 136p.

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Lorenz, J.C., and Cooper, S.P., 2001, Tectonic setting and characteristics of natural fractures in Mesaverde and Dakota Reservoirs of the San Juan Basin, New Mexico and Colorado, Sandia National Laboratories Technical Report, SAND2001-0054, 77p.

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## **Select Abstracts/Papers**

- Lorenz, J.C., 2010, Living with Fracture Reality, Naturally Fractured Reservoirs Workshop, Society of Petroleum Engineers, October 4-6, 2010, Vail, CO.
- Cooper, S.P., and Lorenz, J.C., 2010, Natural fractures in the Tensleep Formation: Types of data that can be recorded and their uses, Naturally Fractured Reservoirs Workshop, Society of Petroleum Engineers, October 4-6, 2010, Vail, CO.
- Lorenz, J.C., 2010, Luncheon Address, The science and history of geology, Wyoming Geological Association Annual Meeting, August 4-6, 2010, Casper, WY.
- Cooper, S.P., and Lorenz, J.C., 2010, Fracture Variability within the Tensleep Formation, Wyoming Geological Association Annual Meeting, August 4-6, 2010, Casper, WY.
- Lorenz, J.C., and Cooper, S.P., 2010, Fractures and faults within the Cretaceous section of the San Juan Basin, American Association of Petroleum Geologists Rocky Mountain Section Annual Meeting, June 13-16, 2010. Durango, CO.
- Lorenz, J.C., and Cooper, S.P., 2010, Thrust faults in the Alcova Limestone: Nature's sand-table experiment, American Association of Petroleum Geologists Rocky Mountain Section Annual Meeting, June 13-16, 2010. Durango, CO.
- Cooper, S.P., and Lorenz, J.C., 2010, Fracture patterns associated with Laramide Anticlines, Geological Society of America Rocky Mountain Section Annual Meeting, April 21-23, 2010, Rapid City, SD.
- Lorenz, J.C., 2010, Presidential Address, American Association of Petroleum Geologists Annual Meeting, April 11-14, 2010, New Orleans, LA.
- Cooper, S.P., and Lorenz, J.C., 2010, Fracture patterns associated with tightly-folded Laramide structures: The example of Beer Mug Anticline, Wyoming, American Association of Petroleum Geologists Annual Meeting, April 11-14, 2010, New Orleans, LA.
- Lorenz, J.C., 2008, Fracture characteristics in core from Tensleep reservoirs across Wyoming, American Association of Petroleum Geologists Rocky Mountain Section Annual Meeting, July, 2008, Denver, CO
- Lorenz, J.C., 2008, Fractures and faults in eolian sandstone in a non-structural setting: The Casper Sandstone, Wyoming Geological Association Annual Meeting, August, 2008, Laramie, WY.

- Lorenz, J.C., and Yin, P., 2007, Natural hydraulic injection fractures; Examples from the Tensleep Formation, Wyoming, American Association of Petroleum Geologists Rocky Mountain Section Annual Meeting, October, 2007, Salt Lake City, UT.
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