

Project Publications

Abstracts

2011

Birgenheier, L.P., Johnson, C., Kennedy, A.D., Horton, B., and McLennan, J., 2011, Integrated sedimentary, geochemical, and geomechanical evaluation of the Mancos Shale, Uinta Basin, Utah [abs.]: American Association of Petroleum Geologists Annual Convention and Exhibition, Houston, Texas, compact disk.

2012

Horton, B.K., Birgenheier, L.P., Johnson, C., Rowe, H., Kennedy, A., and McLennan, J., 2012, Litho- and chemofacies variability in a siliciclastically dominated shale/mudstone system—heterogeneities of the developing Mancos Shale gas play [abs.]: American Association of Petroleum Geologists Annual Conference and Exhibition, Long Beach, California, Abstracts Volume, compact disk.

Quick, J., and Resselar, R., 2012, Thermal Maturity of the Mancos Shale within the Uinta Basin, Utah and Colorado [abs.]: American Association of Petroleum Geologists Annual Conference and Exhibition, Long Beach, California, Abstracts Volume, compact disk.

McCauley, A., Horton, B., Resselar, R., and Birgenheier, L.P., 2012, Subsurface correlation and structure of the Mancos Shale, Uinta Basin, Utah [abs.]: American Association of Petroleum Geologists Rocky Mountain Section Meeting, Grand Junction, Colorado.

2013

McCauley, A., Birgenheier, L.P., and Resselar, R., 2013, A sequence stratigraphic framework for the Mancos Shale, Uinta Basin, UT [abs.]: American Association of Petroleum Geologists Annual Conference and Exhibition, Pittsburgh, Pennsylvania, Abstracts Volume, compact disk.

Bhude, R., Stoddard, T., Deo, M., & McLennan, J., 2013, Modeling hydraulic fracture propagation in low permeability reservoirs [abs.]: American Association of Petroleum Geologists Rocky Mountain Section Meeting, Salt Lake City, Utah.

Birgenheier, L.P., McCauley, A., Horton, B., Larsen, L., McLennan, J., and Resselar, R., 2013, A facies and sequence stratigraphic model for the Mancos Shale, Uinta Basin—identifying unconventional horizontal drilling targets [abs.]: American Association of Petroleum Geologists Rocky Mountain Section Meeting, Salt Lake City, Utah.

Birgenheier, L.P., McCauley, A., Horton, B., Larsen, L., McLennan, J., & Resselar, R., 2013, An integrated, core-focused facies and stratigraphic model of the Mancos Shale, Uinta Basin [abs.]: American Association of Petroleum Geologists Rocky Mountain Section Meeting, Salt Lake City, Utah.

Hillier, R., Stright, L., & Resselar, R., 2013, Estimating total organic carbon content in the Cretaceous Mancos Shale [abs.]: American Association of Petroleum Geologists Rocky Mountain Section Meeting, Salt Lake City, Utah.

Quick, J., McCauley, A., and Resselar, R., 2013, Prediction of organic maturation by vitrinite reflectance regression in units of the Mancos Shale, Uinta Basin, Utah [abs.]: American Association of Petroleum Geologists Rocky Mountain Section Meeting, Salt Lake City, Utah.

Stoddard, T., McLennan, J., Wriedt, J., & Birgenheier, L.P., 2013, Mancos Shale in-situ stress estimation and fracture simulation across the Uinta Basin [abs.]: American Association of Petroleum Geologists Rocky Mountain Section Meeting, Salt Lake City, Utah.

Yuan, Z., McCauley, A., Bartley, J., & Birgenheier, L.P., 2013, Spatial properties of natural fractures in the Mancos Shale, eastern Utah [abs.]: American Association of Petroleum Geologists Rocky Mountain Section Meeting, Salt Lake City, Utah.

2014

Resselar, R., Andrew McCauley, A., Birgenheier, L.P., and Quick, J.C., 2014, Correlation of Niobrara-equivalent strata in the Eastern Uinta Basin, Utah [abs.]: American Association of Petroleum Geologists Rocky Mountain Section Meeting, Denver, Colorado.

Birgenheier, L.P., McCauley, A., Horton, B., and Resselar, R., 2014, A facies and sequence stratigraphic model for the Mancos Shale, Uinta Basin [abs]: Geological Society of America Annual Meeting, Vancouver, British Columbia.

Technical Papers

Birgenheier, L.P., Horton, B., McCauley, A.D., Johnson, C.L., and Kennedy, A., 2017, A depositional model for offshore deposits of the lower Blue Gate Member, Mancos Shale, Uinta Basin, Utah, USA: International Association of Sedimentologists, *Sedimentology*, no. 64, p. 1402-1438.

Cardott, B.J., Avary, K.L., Bowker, K.A., Chidsey, T.C., Jr., Harrison, W.B., III, McCracken, J.N., Morgan, C.D., and Tabet, D.E., 2009, Shale gas, *in* Unconventional energy resources – 2007-2008 review: *Natural Resources Research*, v. 18, no. 2, p. 65-83.

Fishman, N.S., Bereskin, S.R., Bowker, K.A., Cardott, B.J., Chidsey, T.C., Jr., Dubiel, R.F., Enomoto, C.L., Harrison, W.B., III, Jarvie, D.M., Jenkins, C.L., LeFever, J.A., Peng, L., McCracken, J.N., Morgan, C.D., Nordeng, R.E., Nyahay, R.E., Schamel, S., Sumner, R.L., and Wray, L.L., 2011, Gas shale/shale oil, *in* Unconventional energy resources – 2011 review: *Natural Resources Research*, v. 20, no. 4, p. 65-83.

Non-Technical Papers and Articles

Chidsey, T.C., Jr., 2011, Utah shales may contain the “right stuff” – natural gas: Utah Geological Survey, Survey Notes, v. 43, no. 2, p. 3-5.

Chidsey, T.C., Jr., Mozisek D., Resselar, R., Morgan, C.D., Bereskin, S.R., and Schamel, S., 2011, Potential shale-gas resources of Utah: Rocky Mountain Association of Geologists, The Outcrop, v. 60, no. 11, p. 5-9.

Theses

Horton, B.K., 2012, Variability of the Mancos Shale—developing preliminary depositional and sequence stratigraphic models of a developing shale gas play: Salt Lake City, University of Utah, M.S. thesis, 386 p.

Kennedy, A.D., 2011, Geologic predictors of the hydrocarbon extraction potential of the Mancos Shale: Salt Lake City, University of Utah, M.S. thesis, 165 p.

McCauley, A.D., 2013, Sequence stratigraphy, depositional history, and hydrocarbon potential of the Mancos Shale, Uinta Basin, Utah: Salt Lake City, University of Utah, M.S. thesis, 173 p.