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## Woodford Shale Structure and Isopach Maps

- Al-Shaieb, Z., J. Puckette, and P. Blubaugh, 2001, The Hunton Group: sequence stratigraphy, facies, dolomitization, and karstification, *in* K.S. Johnson, ed., Silurian, Devonian, and Mississippian geology and petroleum in the southern Midcontinent, 1999 symposium: OGS Circular 105, p. 17-29. (Woodford isopach map, Anadarko basin, figure 14)
- Amsden, T.W., W.M. Caplan, P.L. Hilpman, E.H. McGlasson, T.L. Rowland, and O.A. Wise, Jr., 1967, Devonian of the southern Midcontinent area, United States, *in* D.H. Oswald, ed., International symposium on the Devonian System, vol. 1: Calgary, Alberta Society of Petroleum Geologists, p. 913-932. (isopach map of Woodford)
- Amsden, T.W., 1975, Hunton Group (Late Ordovician, Silurian, and Early Devonian) in the Anadarko basin of Oklahoma: OGS Bulletin 121, 214 p.  
<http://www.ogs.ou.edu/pubsscanned/BULLETINS/Bulletin121.pdf>  
Panel 3. Structure map of Woodford Shale in central and western Oklahoma.  
Panel 4. Isopach map of Woodford Shale in central and western Oklahoma.  
Panel 7. Structure map of Sylvan Shale in central and western Oklahoma.  
Panel 8. Isopach map of Sylvan Shale in central and western Oklahoma.
- Amsden, T.W., 1980, Hunton Group (Late Ordovician, Silurian, and early Devonian) in the Arkoma basin of Oklahoma: OGS Bulletin 129, 136 p.  
<http://www.ogs.ou.edu/pubsscanned/BULLETINS/Bulletin129mm.pdf>  
Panel 1. Structure and isopach maps of Sylvan Shale  
<http://www.ogs.ou.edu/pubsscanned/BULLETINS/bulletin-ill/B129P-1.pdf>  
Panel 3. Structure and isopach maps of Woodford Shale  
<http://www.ogs.ou.edu/pubsscanned/BULLETINS/bulletin-ill/B129P-3.pdf>
- Cardott, B.J., 2009, Woodford gas-shale plays of Oklahoma: Louisiana Oil and Gas Symposium presentation (Slide 20. Generalized structure map of Woodford Shale, eastern Oklahoma, by R. Vance Hall;  
<http://www.ogs.ou.edu/fossilfuels/pdf/LAoilgas2009.pdf>)
- Cardott, B.J., 2011, Application of organic petrology to shale oil and gas potential of the Woodford Shale, Oklahoma, USA: TSOP Annual Meeting presentation, 50 slides. (Slide 25. Vitrinite reflectance of Woodford Shale in southern Oklahoma on Woodford Shale structure map;  
<http://www.ogs.ou.edu/fossilfuels/pdf/2011TSOPOrganicPetGS.pdf>)
- Cardott, B.J., 2012, Thermal maturity of Woodford Shale gas and oil plays, Oklahoma, USA: International Journal of Coal Geology, v. 103, p. 109-119 (Fig. 10. Vitrinite reflectance (%Ro) data (by Cardott) on Woodford Shale structure map (Marietta Basin from Hinshaw [personal communication, 1999) and Ardmore Basin from Wagner & Brown, Ltd. [personal communication, 2010]);  
<http://www.sciencedirect.com/science/article/pii/S0166516212001632>)
- Comer, J.B., 1992, Organic geochemistry and paleogeography of Upper Devonian formations in Oklahoma and western Arkansas, *in* K.S. Johnson and B.J. Cardott, eds., Source rocks in the southern Midcontinent, 1990 symposium: OGS Circular 93, p. 70-93. (Fig. 4. Isopach map of Upper Devonian strata)

- Duncan, R.C., 1983, Geochemical investigation of the Chattanooga Shale, northwest Arkansas: Fayetteville, University of Arkansas, unpublished M.S. thesis, 184 p. (Figure 2. Isopach map of the Chattanooga Formation, p. 5)
- EIA 2011, Woodford Shale play, Arkoma Basin, Oklahoma (includes structure and isopach contours, [http://www.eia.gov/oil\\_gas/rpd/shaleusa6.pdf](http://www.eia.gov/oil_gas/rpd/shaleusa6.pdf))
- EIA, 2011, Woodford Shale play, Anadarko Basin, Oklahoma and Texas (includes structure and isopach contours, [http://www.eia.gov/oil\\_gas/rpd/shaleusa7.pdf](http://www.eia.gov/oil_gas/rpd/shaleusa7.pdf))
- EIA, 2011, Woodford Shale play, Ardmore Basin, Oklahoma (includes structure and isopach contours, [http://www.eia.gov/oil\\_gas/rpd/shaleusa8.pdf](http://www.eia.gov/oil_gas/rpd/shaleusa8.pdf))
- Gautier, D.L., 2012, Strategy for assessment of European gas shales: AAPG Search and Discovery Article #80208, 37 p. (Woodford Shale structure map, Arkoma Basin, Oklahoma and Arkansas, slide 17; [http://www.searchanddiscovery.com/documents/2012/80208gautier/ndx\\_gautier.pdf](http://www.searchanddiscovery.com/documents/2012/80208gautier/ndx_gautier.pdf))
- Slide 17: Woodford-Chattanooga: depth to top.
- Slide 19: Woodford-Chattanooga: gross high GR.
- Slide 20: Woodford-Chattanooga: net high GR.
- Huffman, G.G., 1960, Regional relations of pre-Desmoinesian rocks, central mid-continent region: Lawrence, Kansas Geological Society Guidebook, p. 48-71. (Upper Devonian isopach)
- Jacobi, D., J. Breig, B. LeCompte, M. Kopal, G. Hursan, F. Mendez, S. Bliven, and J. Longo, 2009, Effective geochemical and geomechanical characterization of shale gas reservoirs from the wellbore environment: Caney and the Woodford Shale: Society of Petroleum Engineers, Annual Technical Conference and Exhibition, SPE 124231, 20 p.
- Lambert, M.W., 1992, Internal stratigraphy of the Chattanooga Shale in Kansas and Oklahoma, in K.S. Johnson and B.J. Cardott, eds., Source rocks in the southern Midcontinent, 1990 symposium: OGS Circular 93, p. 94-105. (isopach map of the Chattanooga Shale in Kansas and Oklahoma, p. 98)
- Party, J.M., R.A. Wipf, J.M. Byl, J. Lawton, and J.M. Hill, 2008, Woodford Shale, Ardmore Basin, Oklahoma: A developing shale play: Oklahoma Geological Survey Gas Shales Workshop presentation, 51 slides. (<http://www.ogs.ou.edu/pdf/GSPartyS.pdf>; slides 16, 42, 43. Isochore map of Woodford Shale, Ardmore Basin)
- Peace, H.W., 1994, Mississippian facies relationships, eastern Anadarko basin, Oklahoma: OCGS Shale Shaker, v. 45, no. 2, p. 26-35. (structure map, top of Woodford, SE Anadarko basin)
- Rottmann, K., 2000, Isopach map of Woodford Shale, in Hunton play in Oklahoma (including northeast Texas panhandle): Oklahoma Geological Survey Special Publication 2000-2, plate 2. [http://www.ogs.ou.edu/pubsscanned/SPs/SP2000\\_2wm.pdf](http://www.ogs.ou.edu/pubsscanned/SPs/SP2000_2wm.pdf) [http://www.ogs.ou.edu/pubsscanned/SPs/SPPlatesMaps/SP2000\\_2P2.pdf](http://www.ogs.ou.edu/pubsscanned/SPs/SPPlatesMaps/SP2000_2P2.pdf)
- Wilson, M.E., and P. Berendsen, 1988, Chattanooga Shale isopach: Kansas Geological Survey Open-File Report 88-6, 1 plate, scale 1:1,000,000.