



**INTERVAL-THICKNESS MAP OF THE UTICA**  
 (top of Trenton to top of Utica; includes the Point Pleasant and Antes Shale.)  
 The extent of the Utica and the Point Pleasant are also shown.

**EXPLANATION**

- Trenton-Black River outcrop area
- fault
- Utica extent
- Point Pleasant extent
- data point (oil and gas well)
- data points not corrected for structural dip
- 250-ft index contour
- 50-ft contour; 700

Thickness in feet

- 705
- 84

**Recommended bibliographic citation:**  
 Patchen, D.G., Hickman, J.B., Harris, D.C., Drahovzal, J.A., Lake, P.D., Smith, L.B., Nyahay, Richard, Schulze, Rose, Riley, R.A., Baranowski, M.T., Wickstrom, L.H., Laughrey, C.D., Kostelnik, Jaime, Harper, J.A., Avary, K.L., Bocan, John, Hohn, M.E., and McDowell, Ronald, 2006, A geologic play book for Trenton-Black River Appalachian Basin exploration: Morgantown, W. Va., U.S. Department of Energy Report, DOE Award Number DE-FC26-03N141856, 601p., accessible at [http://www.wvgs.wvnet.edu/www/tbr/project\\_reports.asp](http://www.wvgs.wvnet.edu/www/tbr/project_reports.asp). [Map modified by Powers, D.M., and Martin, D.R.]



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