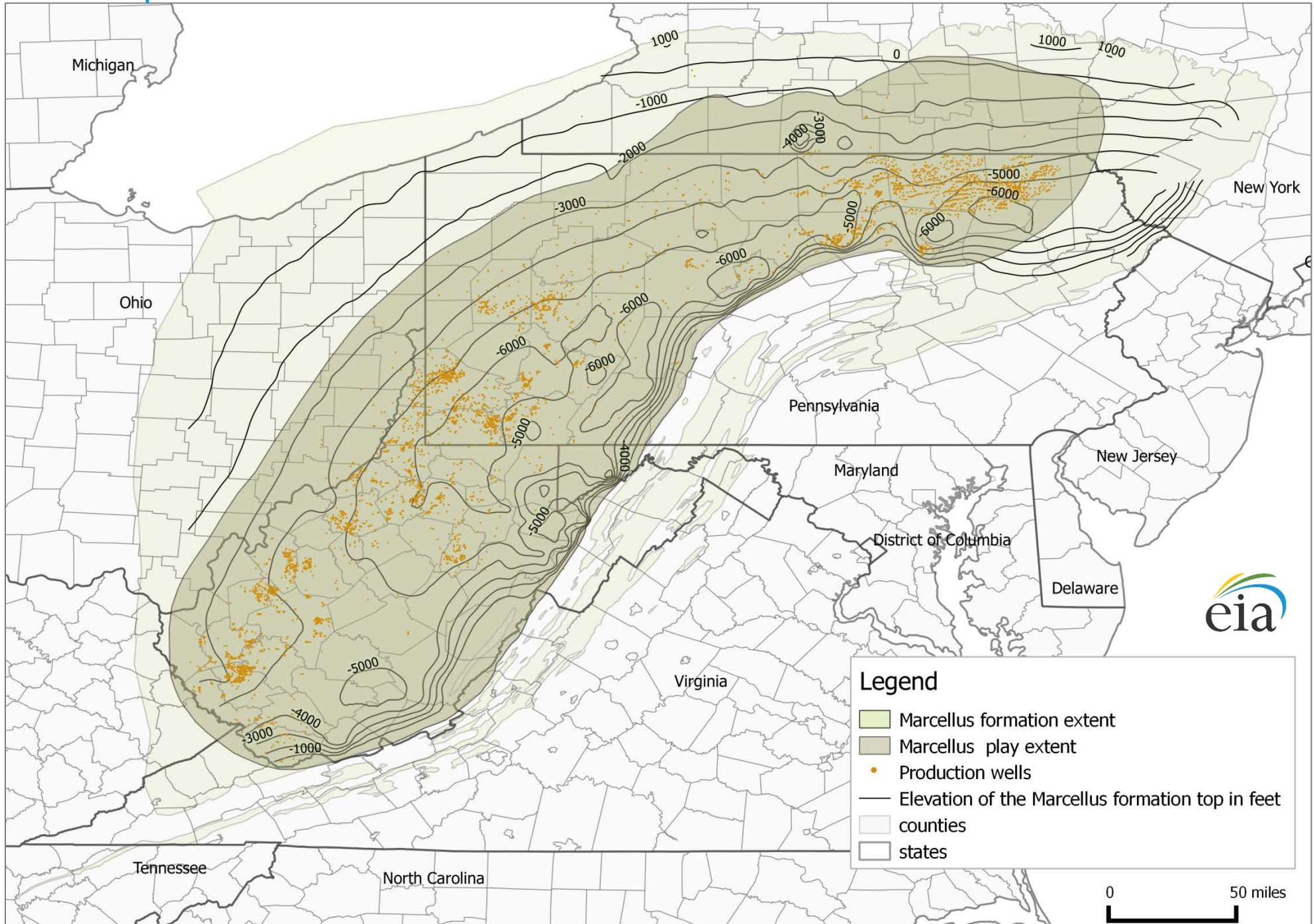


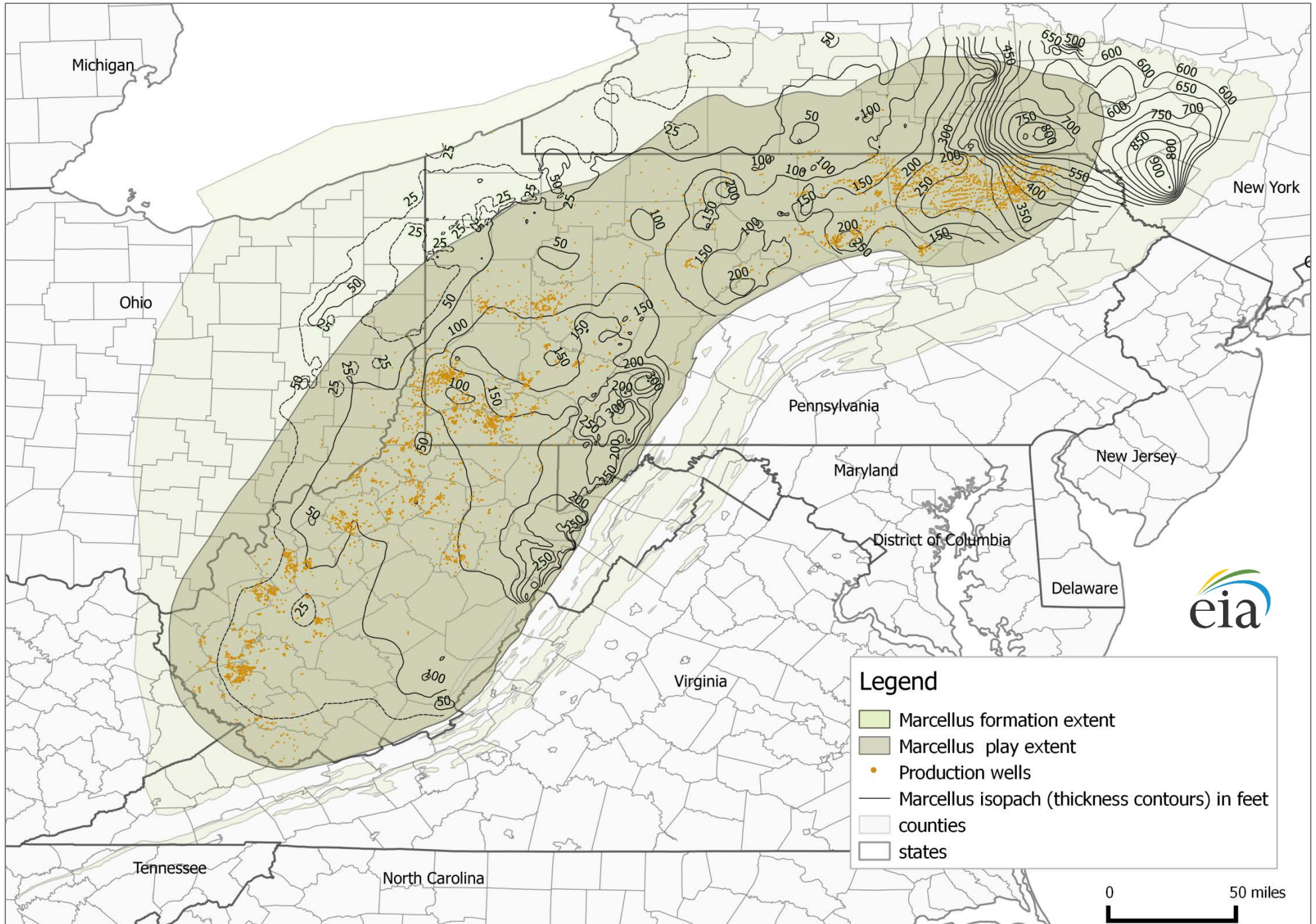
Structure map of the Marcellus Formation



Source: U.S. Energy Information Administration, based on DrillingInfo Inc., New York State Geological Survey, Ohio State Geological Survey, Pennsylvania Bureau of Topographic & Geologic Survey, West Virginia Geological & Economic Survey, and U.S. Geological Survey.

Note: Map includes production wells from January 2003 through December 2014.

Thickness map of the Marcellus Formation



Source: U.S. Energy Information Administration, based on DrillingInfo Inc., New York State Geological Survey, Ohio State Geological Survey, Pennsylvania Bureau of Topographic & Geologic Survey, West Virginia Geological & Economic Survey, and U.S. Geological Survey.

Note: Map includes production wells from January 2003 through December 2014. Isopach lines represent formation thickness with a 50-foot contour interval. An additional 25-foot isopach is shown as a dotted line on the western edge.

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