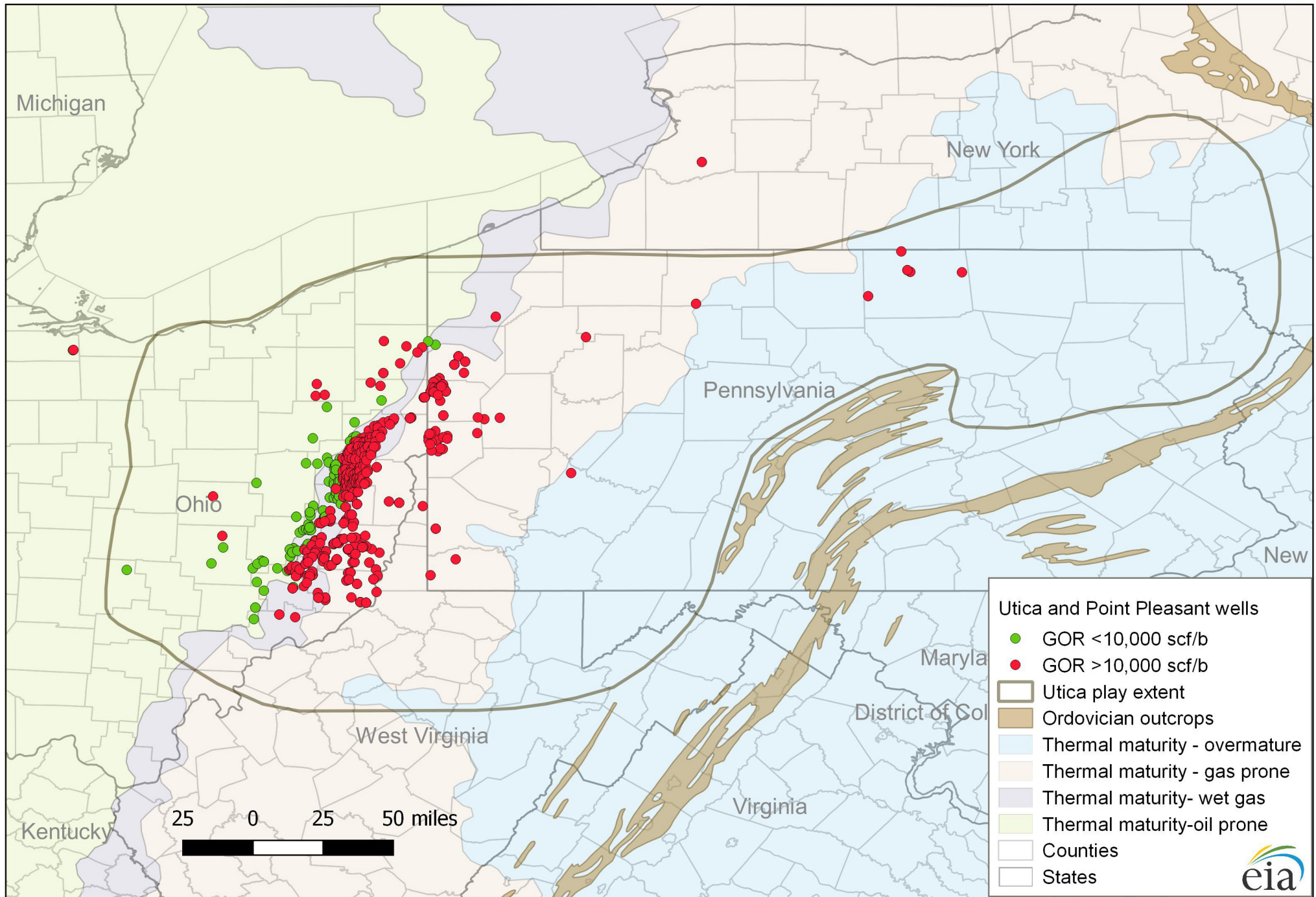


# Initial gas-to-oil ratios (GORs) of Utica and Point Pleasant wells (through June 2016) and thermal maturity



Source: U.S. Energy Information Administration based on DrillingInfo Inc., Appalachian Oil and Natural Gas Research Consortium, U.S. Geological Survey, and various state agencies.

Note: EIA calculates GOR for each well using the initial six contiguous months of liquid and gas production.