



**EXPLANATION**

- 1.5 Location and value of Devonian CAI<sub>max</sub> sample (this report)—Asterisk indicates sample had a questionable CAI value based on “conodont pearl” and was not contoured
- Location of Middle Devonian to Silurian CAI<sub>max</sub> sample—Data from Harris and others (1978)
- Devonian CAI<sub>max</sub> isograd (this report)—Dashed where inferred; hachured to indicate isograd depression
- Middle Devonian to Silurian CAI<sub>max</sub> isograd—Data from Harris and others (1978)
- Thrust fault—Sawteeth on upper plate
- Gas fields (and, in Ohio only, local oil fields) of the Oriskany Sandstone (Early Devonian)—Data from Flaherty (1996), Harper and Patchen (1996), Opritz (1996), and Patchen and Harper (1996)
- Oil fields of Late to Middle Devonian age—Locally found in west-central West Virginia and adjoining Ohio. Data from Baranowski and others (1988) and Hohn and Timberlake (1988)
- Shale-gas fields of Late to Middle Devonian age—Data from Hunter and Young (1953), Milici (1993, 1996), and Boswell (1996)

Base from U.S. Geological Survey digital data, 2008  
 Albers Equal-Area Conic projection  
 Standard parallels 35°00'N and 43°00'N  
 Central meridian 87°00'W

**Figure 10.** Map showing Devonian conodont color alteration index (CAI<sub>(max)</sub>) isograds superimposed on oil and gas fields in Lower Devonian Oriskany Sandstone and Devonian shale reservoirs.