

## **Thomas N. Sparks**

**Title:** Geologist, Energy and Minerals Section

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Joined KGS in January 1994.

**Education:**

- 1975, B.S., Geology, Morehead State University, Morehead, Ky.
- 1979, M.S., Geology, Duke University, Durham, N.C.

**Responsibilities:**

Analysis of oil and gas well data, subsurface stratigraphy, and GIS applications; monitor and develop brine disposal database through online web mapping; utilize geologic mapping products, Petra, and ArcGIS. Past responsibilities included technical coordinator and chief compiler for Kentucky Digital Geologic Mapping Program (1996-2006).

**Professional Organizations:**

- Geological Society of Kentucky

**Publications:**

- Sparks, T.N., 2016, Class II injection wells in Kentucky—an update of the map service of wastewater, brine-disposal, and enhanced-recovery wells in Kentucky [abs]: American Association of Petroleum Geologists, Eastern Section 45th Annual Meeting, Lexington, Kentucky, September 24–28, 2016.
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- Sparks, T.N., Anderson, W.H., and Yang, X.Y., 2011, Geologic map of the Somerset 30 x 60 minute quadrangle, south-central Kentucky: Kentucky Geological Survey, ser. 12, Geologic Map 28, scale 1:100,000.
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- Curl, D.C., Petersen, C., and Sparks, T.N., 2010, Geologic map of the Kentucky parts of the Maysville and Ironton 30 x 60 minute quadrangles, northern Kentucky: Kentucky Geological Survey, ser. 12, Geologic Map 26, scale 1:100,000.
- Petersen, C., Sparks, T.N., and Curl, D.C. 2010, Geologic map of the Kentucky part of the Huntington 30 x 60 minute quadrangle, northeastern Kentucky: Kentucky Geological Survey, ser. 12, Geologic Map 24, scale 1:100,000. Sparks T.N., 2009, Geologic map of Kentucky: Kentucky Geological Survey, ser. 12, Geologic Map 19, scale 1:350,000.
- Sparks T.N., Anderson, W.H., and Morris, L.G., 2008, Geologic map of the Hazard 30 x 60 minute quadrangle, eastern Kentucky: Kentucky Geological Survey, ser. 12, Geologic Map 16, scale 1:100,000.
- Sparks T.N., Anderson, W.H., and Morris, L.G., 2008, Geologic map of the Irvine 30 x 60 minute quadrangle, eastern Kentucky: Kentucky Geological Survey, ser. 12, Geologic Map 17, scale 1:100,000.
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- Petersen, C., and Sparks, T.N., 2006, Geologic map of the Kentucky portion of the Pikeville 30 x 60 minute quadrangle, southeastern Kentucky: Kentucky Geological Survey, ser. 12, Geologic Map 11, scale 1:100,000.
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