



DISTRIBUTION OF OIL AND GAS WELLS IN KENTUCKY

Based on the Kentucky Geological Survey Computer Database
Compiled by Brandon C. Nuttall and Daniel I. Carey

This map shows the distribution of more than 109,000 wells for which location information is available in the Kentucky Geological Survey's oil and gas well record database.

The Kentucky Geological Survey is the official repository for records of wells drilled in the Commonwealth of Kentucky for the purpose of recovering hydrocarbons or to support hydrocarbon production and exploration. Currently, records for an estimated 170,000 to 180,000 wells are on file in the Office of Geologic Information. A computer database has been under development since 1980.

This revision of Map and Chart Series 9 reflects the completion of the initial phase of the effort to index all wells in the data files as part of the well record archiving project. Geologic and completion information for these wells is available in the Office of Geologic Information at the Kentucky Geological Survey. Data gathered for these archival purposes and data for which no completion information is available are shown on the map as "locations". The service and miscellaneous wells shown represent various wells drilled in support of hydrocarbon production: secondary and tertiary recovery injection, water supply, waste disposal, cathodic protection, observation and monitoring, and others.

This data is continually expanded as new wells are permitted and completed, and as historical well data are processed and entered. Information from the database is available in both hard-copy and electronic form, as well as on 1:24,000-scale overlay maps. Information for wells not yet in the database is on file in the Office of Geologic Information at the Kentucky Geological Survey.

Faults shown on the map were derived from digital color separations compiled for the sesquicentennial edition of the Geologic Map of Kentucky (Noger, 1988). County boundaries were obtained in digital form from the Kentucky Cabinet for Natural Resources and Environmental Protection.

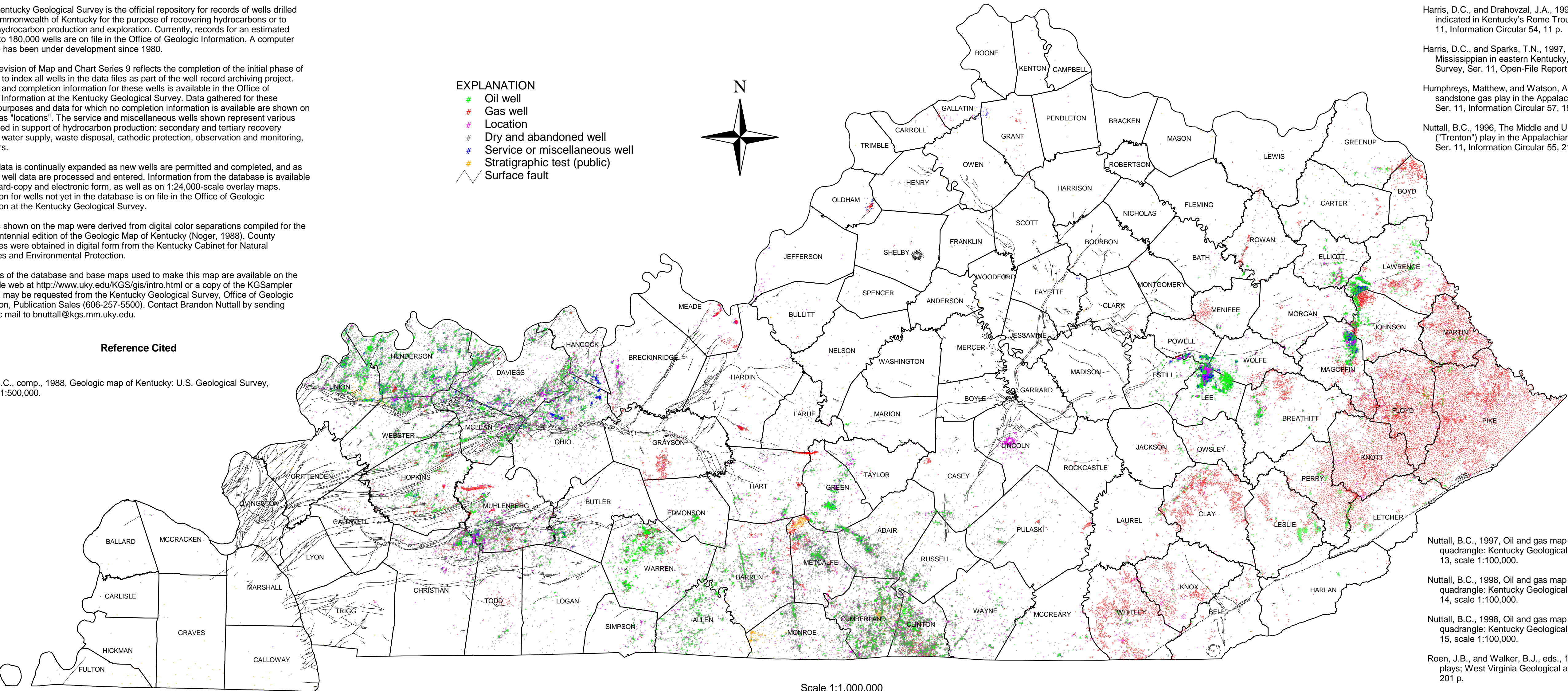
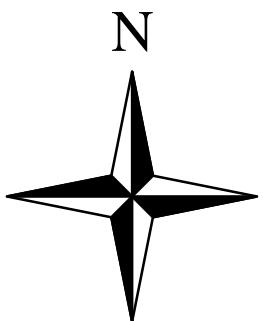
Copies of the database and base maps used to make this map are available on the world wide web at <http://www.uky.edu/KGS/gis/intro.html> or a copy of the KGSampler CD-ROM may be requested from the Kentucky Geological Survey, Office of Geologic Information, Publication Sales (606-257-5500). Contact Brandon Nuttall by sending electronic mail to bnuttall@kgs.mm.uky.edu.

Reference Cited

Noger, M.C., comp., 1988, Geologic map of Kentucky: U.S. Geological Survey, scale 1:500,000.

EXPLANATION

- # Oil well
- # Gas well
- # Location
- # Dry and abandoned well
- # Service or miscellaneous well
- # Stratigraphic test (public)
- Surface fault



Related KGS Publications

Drahovzl, J.A., and Noger, M.C., 1995, Preliminary map of the structure of the Precambrian surface in eastern Kentucky: Kentucky Geological Survey, Ser. 11, Map and Chart Series 8, 9 p. plus 1 sheet.

Harris, D.C., and Drahovzl, J.A., 1996, Cambrian hydrocarbon potential indicated in Kentucky's Rome Trough: Kentucky Geological Survey, Ser. 11, Information Circular 54, 11 p.

Harris, D.C., and Sparks, T.N., 1997, Subsurface stratigraphy of the Mississippian in eastern Kentucky, data release: Kentucky Geological Survey, Ser. 11, Open-File Report OF-97-03, 3.5-inch floppy diskette.

Humphreys, Matthew, and Watson, A.E., 1997, Middle Ordovician St. Peter sandstone gas play in the Appalachian Basin: Kentucky Geological Survey, Ser. 11, Information Circular 57, 19 p.

Nuttall, B.C., 1996, The Middle and Upper Ordovician bioclastic carbonate ("Trenton") play in the Appalachian Basin: Kentucky Geological Survey, Ser. 11, Information Circular 55, 21 p.

Nuttall, B.C., 1997, Oil and gas map of the Tompkinsville 30 x 60 minute quadrangle: Kentucky Geological Survey, Ser. 11, Map and Chart Series 13, scale 1:100,000.

Nuttall, B.C., 1998, Oil and gas map of the Evansville 30 x 60 minute quadrangle: Kentucky Geological Survey, Ser. 11, Map and Chart Series 14, scale 1:100,000.

Nuttall, B.C., 1998, Oil and gas map of the Hazard 30 x 60 minute quadrangle: Kentucky Geological Survey, Ser. 11, Map and Chart Series 15, scale 1:100,000.

Roen, J.B., and Walker, B.J., eds., 1996, The atlas of major Appalachian gas plays: West Virginia Geological and Economic Survey, Publication V-25, 201 p.

Watson, A.E., Morris, L.G., Nuttall, B.C., and Carey, D.I., 1997, Oil and gas map of the Middlesboro 30 x 60 minute quadrangle: Kentucky Geological Survey, Ser. 11, Map and Chart Series 11, scale 1:100,000.