

STATE RELEASES NEW GEOLOGICAL REPORT

A new report of investigations is available from the Tennessee Department of Environment and Conservation, Division of Geology. The report entitled *Geophysically Subdividing the Nashville (Trenton) and Stones River (Black River) Groups Beneath the Eastern Highland Rim and Southern Cumberland Plateau in Tennessee and Southern Kentucky* is No. 52 in a series.

This report establishes a basis for subdividing and correlating the Nashville and Stones River groups in the subsurface of the Cumberland Plateau and Eastern Highland Rim using geophysical well logs. The Nashville and Stones River groups consist of several rock units that contain some of Tennessee's most productive oil and gas zones. Jonathan C. Evenick and Robert D. Hatcher, Jr. are the authors.

Dr. Evenick is a postdoctoral research assistant at the University of Tennessee – Knoxville. He has been working on an exploration and geologic model for the southern Appalachian basin. Dr. Hatcher is a University of Tennessee Distinguished Scientist and Professor of Tectonics and Structural Geology in the Department of Earth and Planetary Sciences who has worked for more than 35 years in the Appalachians after spending a year with the former Humble Oil & Refining Co. (now ExxonMobil Corp.).

According to State Geologist Ron Zurawski, "Because the Nashville and Stones River groups have great potential as hydrocarbon reservoirs in Tennessee and southern Kentucky, this report should be beneficial to the oil and gas industry by providing it with an additional exploration tool."

In addition to a discussion of the geology, the report includes diagrams, log correlations, a site location map, one photograph, and well data. The report also has a complete list of references cited.

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The report may be purchased through the Tennessee Division of Geology's maps and publications sales office on the 13<sup>th</sup> floor, L&C Tower, 401 Church Street, Nashville, TN 37243-0445. To order by phone call (615) 532-1516 or fax (615) 532-1517. The price is \$6.50. Payment is required with the purchase request.