

FIGURE 2. STRUCTURAL CROSS SECTION ALONG LINE A-A'

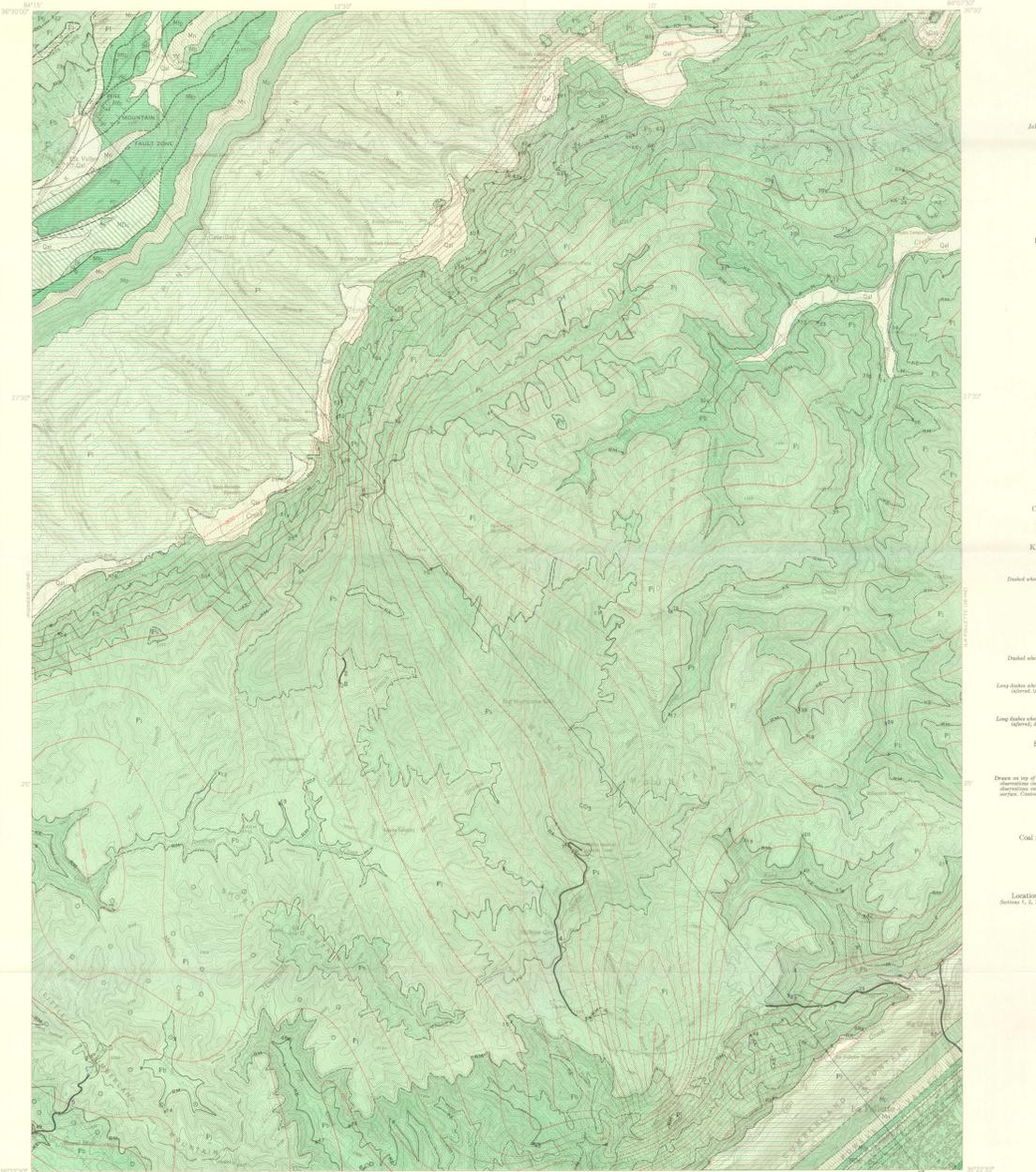


FIGURE 3. INDEX MAP SHOWING LOCATION OF THE IVYDELL QUADRANGLE IN RELATION TO MAJOR STRUCTURAL FEATURES OF THE SOUTHWEST PART OF THE CUMBERLAND OVERTHRUST BLOCK.

Control by USGS, USGS, and TVA. Topography by USGS and TVA from aerial photography by stereophotogrammetric methods. Field examination by Tennessee Valley Authority, 1943.

GEOLOGIC AND STRUCTURE CONTOUR MAP OF THE IVYDELL QUADRANGLE, CAMPBELL COUNTY, TENNESSEE

Geology mapped in 1953 and 1954 by Kenneth J. England and J. A. Van Lee.

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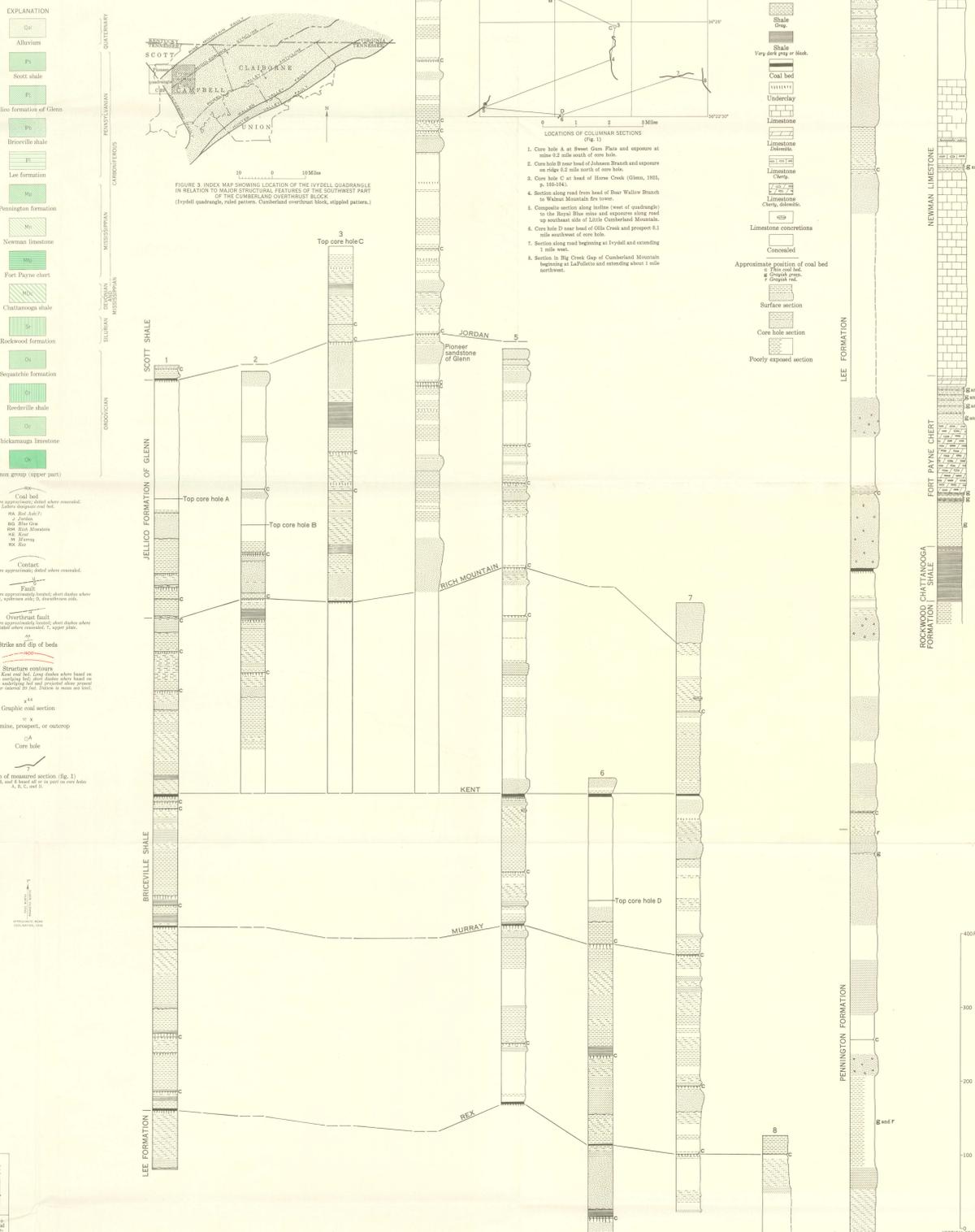


FIGURE 1. COLUMNAR SECTIONS AND CORRELATIONS IN THE IVYDELL QUADRANGLE

TABLE 1. ESTIMATED ORIGINAL AND REMAINING COAL RESERVES OF THE IVYDELL QUADRANGLE, TENN., AS OF JULY 1, 1954

Table with columns for Formation, Coal bed, Measured, and Estimated reserves.

TABLE 2. ANALYSES OF COAL IN THE IVYDELL QUADRANGLE

Table with columns for Coal bed, Moisture, Volatile matter, Fixed carbon, and Ash.

INTRODUCTION

This report on the Ivydell quadrangle is part of a larger study of the geology of the western part of the Tennessee coalfield...

STRATIGRAPHY

Geology mapped in 1953 and 1954 by Kenneth J. England and J. A. Van Lee. This section describes the geological formations and their relationships in the Ivydell quadrangle.

COAL BEDS IN THE JELICO FORMATION OF GLENN

The Jelico formation is the only coal bed with undisturbed reserves in the Ivydell quadrangle. It is a thin, shaly, sandstone...

COAL BEDS IN THE SCOTT SHALE

The Scott shale is the only coal bed in the Ivydell quadrangle that is not in the Jelico formation. It is a thin, shaly, sandstone...

COAL BEDS IN THE BRUCEVILLE SHALE

The Bruceville shale is the only coal bed in the Ivydell quadrangle that is not in the Jelico or Scott formations. It is a thin, shaly, sandstone...

OIL AND GAS

Geology mapped in 1953 and 1954 by Kenneth J. England and J. A. Van Lee. This section discusses the potential for oil and gas in the Ivydell quadrangle.