EXPLANATION

Recent — QUATERNARY
- Alluvium

PENNSYLVANIAN
- Breathitt formation

Approximate contact

se — Outcrop line of Sebastian coal bed

ni — Outcrop line of Nickell coal bed

ad — Outcrop line of Adele coal bed

fc — Outcrop line of Fire Clay coal zone

cc — Outcrop line of Cannel City coal bed

lc — Outcrop line of Little Caney coal bed

gr — Outcrop line of Grassy coal bed

Lines of probable outcrop are dashed; lines indicating buried outcrops in valley bottoms are dotted; in large areas where control is lacking or where a coal bed is probably less than 14 inches thick, the outcrop line is discontinued, except that of the key bed—the Fire Clay coal

U/D — Irvine-Paint Creek fault
Dashed where location is approximate
U, *upthrown side;* D, *downthrown side*

900 — Structure contour
Drawn on Fire Clay coal bed. Line is dashed where projected from underlying or overlying beds. Control obtained by hand level, barometer, and transit traverses. Contour interval 20 feet. Datum is mean sea level

× Location of domestic opening, prospect, or coal-bed outcrop

×54 Location and number of graphic coal section shown on plate 3

⚒ Operating mine (1951)

MAGNETIC NORTH
TRUE NORTH
1°
APPROXIMATE MEAN DECLINATION 1951

Base from Cannel City, Kentucky, quadrangle map, 1951, by U.S. Geological Survey

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.
M R-5380

Geology by Kenneth J. Englund

GEOLOGIC MAP OF THE CANNEL CITY QUADRANGLE, MORGAN, WOLFE, AND MAGOFFIN COUNTIES, KENTUCKY

Scale 1:24,000

1 — 0 — 1 Mile

Contour interval 10 feet
Datum is mean sea level