



EXPLANATION

SEDIMENTARY ROCKS

Alluvium, glacial drift, and terrace gravel not shown

Judith River formation
(Cross-bedded sandstone and number-colored shale; thin beds of lignite in upper and lower parts)

Claggett shale
(Brownish-black fossiliferous shale)

Eagle sandstone
(Fossiliferous cross-bedded sandstone, number-colored shale, and thin beds of lignite; with Tertiary sandstone member (Kev) composed of massive white to buff friable sandstone at base)

Colorado shale
(Dark-gray to black marine shale)

IGNEOUS ROCKS

Dike

Thrust fault
(T, overthrust side)

Strike and dip of beds

Outcrop of coal bed
(Figures show section of coal bed referred to in text)

Coal mine

Gas well, or well with show of gas

Dry hole

Structure contours on top of Eagle sandstone
(Contours interval 10 feet; datum is mean sea level; line solid where location is fairly certain, long-dashed line where approximate, and short-dashed where inferred)

Principal graded road

Secondary road
(Many others not shown)

Stebinger, Wording, and Sears

Pierce and Hunt

Lloyd et al.

Index map showing source of geologic data

Base compiled from U. S. G. S. map of Montana, U. S. G. L. O. township plats, and authors' field sheets.

Geology by W. G. Pierce and C. B. Hunt. Surveyed in 1932.

GEOLOGIC MAP OF NORTH-CENTRAL CHOUTEAU, WESTERN HILL, AND EASTERN LIBERTY COUNTIES, MONTANA

