

EXPLANATION

- Qal Alluvium
- Tfut Tongue River member
Yellowish to medium-gray massive sandstone and silty sandstone; medium-gray shale, dusky-brown to black carbonaceous shale, and persistent coal beds
- Tful Lower member
Somber brownish-gray to gray, thin-bedded sandstones, siltstones, shales, and clays; dusky-brown to black carbonaceous shale and lenticular coal beds

- P 3 Outcrop of coal bed
Dashed where approximately located. Numbers refer to measured coal sections shown on plates 21-26. Letters refer to coal beds named below.
- A Alderson
- B Broadus
- C Cache
- CO Cook
- CY Canyon
- D Dunning
- E Elk
- F Ferry
- G Garfield
- K Knoblock
- K King
- L Local bed
- O Odell
- P Pawnee
- S Sawyer
- W Wall

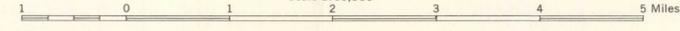
- Contact
Dashed where approximately located
- Clinker
indicates outcrop of burned coal bed; indicates area of clinker; and indicates approximate extent of clinker away from the outcrop
- Area underlain by coal with less than 50 feet of overburden

- Fault
Dashed where approximately located; dotted where concealed; U, upthrown side; D, downthrown side
- Anticline
- Strike and dip of beds
- Coal mine or prospect
- Oil Well
- Bench mark
- Triangulation station
- Located section corner

Planimetric base compiled in 1938-39 from aerial photographs and Bureau of Land Management land net

RECONNAISSANCE GEOLOGIC MAP OF BIRNEY-BROADUS COAL FIELD, ROSEBUD AND POWDER RIVER COUNTIES, MONTANA (EASTERN HALF)

Scale 1:63,360



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