



EXPLANATION

- Quaternary
  - Qa Alluvium
  - Ta Wasatch formation
  - Tbr Tongue River member
  - Tls Lebo shale member
  - Tll Tullock member
  - Tlc Hell Creek member
  - Tkb Bearpaw shale
  - Tks Parkman sandstone
  - Tcl Claggett shale
  - Tke Eagle sandstone
- Tertiary
  - Eocene (?)
    - Tea Telegraph Creek formation
  - Oligocene
    - Tnc Niobrara (N) and Carlile (C) shales
  - Miocene
    - Tfr Frontier formation
    - Tm Mowry shale
  - Pliocene
    - Tps Therapsid shale with Birdhead sandstone member (B)
  - Pleistocene
    - Tpe Cloveley formation
- Cretaceous
  - Upper Cretaceous
    - Tju Morrison formation
    - Tjs Sundance formation
  - Lower Cretaceous
    - Tcl Chugwater formation
    - Tca Tenleep sandstone and Arden formation
    - Tcm Madison limestone
    - Tcd Bighorn dolomite
    - Tcw Deadwood formation
- Jurassic
  - Upper Jurassic
    - Tju Sundance formation
  - Middle Jurassic
    - Tjm Chugwater formation
  - Lower Jurassic
    - Tjl Sundance formation
- Permian
  - Upper Permian
    - Tpu Bighorn dolomite
  - Lower Permian
    - Tpl Deadwood formation
- Carboniferous
  - Tcf Deadwood formation
- Devonian
  - Tcd Bighorn dolomite
- Cambrian
  - Tcb Granite

Structure contours on top of Cloveley formation. Broken lines indicate doubtful position. Contour interval 50 feet. Datum is mean sea level.

Flowing well  
Well being drilled  
Dug well  
Spring  
Analysis



GEOLOGIC MAP AND SECTION OF BIGHORN COUNTY AND PART OF YELLOWSTONE COUNTY, MONTANA