



**MAP UNITS**

Qal	Alluvium of modern channels and flood plains
Qac	Alluvium-colluvium
Qz	Gravel
Qat	Alluvium of alluvial terrace deposit
Qgl	Glacial till
Qgl	Glacial lake deposit
Qgl	Glacial kame deposit
Qgl	Glacial esker deposit
Qtar	Alluvium of alluvial terrace deposit
Qtr	Clunker
Tbu	Sentinel Butte Member of Fort Union Formation
Ttr	Tongue River Member of Fort Union Formation
Tlo	Lebo Member of Fort Union Formation
Tt	Tullock Member of Fort Union Formation
Krc	Hill Creek Formation

○ Siltstone bed

- Map Symbols**
- Contact. Dotted where concealed.
  - Well location and elevation of top of Pierre (Bearpaw) Shale; elevation in feet above mean sea level  
 Note: Well log elevation data in feet. To convert to meters divide by 3.28.
  - Structure contour on top of Pierre (Bearpaw) Shale; contour interval 100 feet (30.5 meters).  
 Datum: mean sea level

Montana Bureau of Mines and Geology  
 Open File No. 478  
**Geologic and Structure Contour  
 Map of the Sidney 30' x 60'  
 Quadrangle, Eastern Montana**

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 2003

Partial support has been provided by the STATEMAP component of the National Cooperative  
 Geologic Mapping Program of the U.S. Geological Survey under Contract Number 02HQAG0038.  
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Maps may be obtained from  
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