



- Explanation
- KJR
Shale and siltstone.
Some sandstone in middle part and beds of gypsum in lower part
 - Pmo
Minnekahta Limestone and Opeche Shale
Gray limestone and purple and maroon shale
 - PPM
Minnelusa Formation
Light- to pinkish-gray sandstone containing variable amounts of limestone, dolomite, anhydrite, gypsum, and shale
- TRIASSIC, JURASSIC, AND CRETACEOUS
- PERMIAN
- PENNSYLVANIAN AND PERMIAN
- WYOMING
SOUTH DAKOTA
- 21
Strike and dip of beds
 - 2
Flowing well
 - 2
Number identifies well
 - 8
Non-flowing artesian well
 - Wells shown on map
 - 1. Newcastle No. 1
 - 2. Newcastle No. 2
 - 3. Sioux Oil Co.
 - 4. Carlson
 - 5. LAR Ranch
 - 6. Martens No. 1
 - 7. Martens No. 2
 - 8. Cambria Coal Mine

Figure 1.--Geologic map of the Newcastle area, Wyoming, showing location of water wells drilled in the Minnelusa Formation and the Pahasapa Limestone.