

**KANSAS GEOLOGICAL SURVEY
OPEN-FILE REPORT 2002-20**

**CHEYENNE COUNTY
GEOLOGY MAPS**

by

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Stratigraphic Column Cheyenne County, Kansas

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Quaternary System Alluvial Deposits

- Qal** **flood plain alluvium**
gravel to clay; Holocene age; 0-60 ft
- Qt** **alluvial terrace deposits**
gravel to clay; late Pleistocene to Holocene age; 0-80 ft
- Qf** **alluvial fan deposits with colluvial inclusions**
gravel to clay; late Pleistocene to Holocene age; 0-100 ft
- Qp** **upland playa (intermittent) lake deposits**
silt to clay; late Pleistocene to Holocene age; 0-20 ft

Aeolian Deposits

- Ql** **loess**
silt; Pleistocene to Holocene age; 0-200 ft
- Qs** **aeolian sand- primarily in dunes**
course to fine sand forming thin sheets and dunes; 0-60 ft

Tertiary System Miocene-Pliocene Series

- To** **Ogallala Formation**
strongly cemented to unconsolidated calcarious sands and
gravels; 0-230 ft

Cretaceous System Gulfian Series

- Kp** **Pierre Shale**
light green to dark gray shale; 0-300 ft

CHEYENNE COUNTY
Geology Maps

For Open-file

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Quadrangles:

Wheeler, Kans.

St. Francis, Kans.

St. Francis SW, Kans.

Heinzelman Canyon, Kans.

White Canyon, Kans.

St. Francis NW, Kans.

Armel, Colo.-Kans.

Willow Creek Ranch, Colo.-Kans.

Laird, Colo.-Nebr.-Kans.

05/03/02