



EXPLANATION

- |             |                  |  |
|-------------|------------------|--|
| Pleistocene | Qal              | <b>Alluvium</b><br>Stream deposits of silt, sand, and gravel along the principal valleys. Yields moderate to large quantities of water to wells along larger valleys; lesser amounts along smaller valleys.  |
|             | Qpl              | <b>Peoria and Loveland Formations</b><br>Silt, mostly silt, sandy in lower part. Mantles most of uplands and masks much of the valley walls. Locally includes slope wash derived from the Ogallala Formation. Yields no water to wells.                                  |
|             | Qc               | <b>Crete Formation</b><br>Stream deposits of silt, sand, and gravel in a terrace position along the major valleys. Continuous in places; locally consists of remnants. Yields small to large quantities of water to wells.   |
| Pliocene    | To               | <b>Ogallala Formation</b><br>Fluvial deposits of sand, gravel, silt, and clay; generally very calcareous. Mostly unconsolidated, but cemented locally to various degrees. Occurs in the interstream upland areas. Yields small to moderate quantities of water to wells. |
|             | Upper Cretaceous | Kp   |
|             | Kn               | <b>Niobrara Chalk</b><br>Chalk and chalky shale, thin-bedded and platy. Light gray to dark gray where fresh; weathers to brown and orange at outcrops. Yields no water to wells.   |

- 2450
- Water-table contour  
Shows altitude of water table, based on instrumental levels. Contour interval 10 feet. Datum is mean sea level
- — — — —
- Approximate geologic contact
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- Domestic or stock well
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- Irrigation well
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- Municipal well
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- Test hole
- ↑
- True North
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- Magnetic North
- APPROXIMATE MEAN DECLINATION, 1965



Base and drainage adapted from maps of the State Highway Commission of Kansas

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