

**KANSAS GEOLOGICAL SURVEY
OPEN-FILE REPORT 2011-15**

**PRELIMINARY GEOLOGIC FIELD MAPS AND STRATIGRAPHIC
COLUMN, ALDEN NW, ALDEN, STERLING, NICKERSON,
LITTLE SALT MARSH, ALDEN SE, STERLING SW, AND YAGGY
QUADRANGLES, RENO COUNTY, KANSAS**

by

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Stratigraphic Column

Reno County, Kansas

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Quaternary System

Alluvial deposits

Qal

undifferentiated alluvium

coarse gravel to clay; Holocene age
0-60 feet

Qt

alluvial terrace deposits

coarse gravel to clay; late Pleistocene to Holocene ages
0-130 feet

Qm

Meade Formation

granitic coarse gravel and sand, highly oxidized, of the lower Grand Island member grading upward into sand and silt of the Sappa member that includes lentils of Pearlette ash; early to middle Pleistocene age
0-140 feet

Qb

Blanco Formation

coarse gravel to sand of Cretaceous and Permian material overlain by alluvial silt; early Pleistocene age
0-140 feet

Eolian deposits

Qds

Dune sand

sand occurring in dunes; late Pleistocene to Holocene ages
0-120 feet

Ql

Peoria and Loveland Loess – includes Crete sand and gravel

fine-grained sediments, dominantly silt-sized; includes Crete sand and gravel in the western portion of the county; Pleistocene to Holocene ages
0-70 feet

Permian System

Leonardian Series

P

Harper sandstone, Stone Corral dolomite and Ninnescah shale

red siltstone to very fine-grained silty sandstone overlying dolomite and red and light gray shale to siltstone
0-520 feet