VECTOR RESULTANTS OF CROSS-STRATIFICATION DIP BEARINGS IN DAKOTA SANDSTONE, OTTAWA COUNTY, KANSAS

State Geological Survey of Kansas

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Bulletin 134 Part 6, Plate 1

R.5W. R.4W. R.3W. R.2W. R.1W.

T. 9 S. T. 10 S. T. 11 S. T. 12 S.

Kc–Kgg

Kd

Kk–Pw

EXPLANATION

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Vector resultant of dip bearings of cross-stratification. Arc shows one standard deviation in degrees plotted on each side of vector resultant. Numeral gives number of measurements. Coarse dots, Janssen Clay member of Dakota Formation, small dots, Terra Cotta Clay member of Dakota Formation.

Kc–Kgg Undifferentiated Carlile, Greenhorn, and Graneros formations.

Kd Dakota Formation.

Kk–Pw Undifferentiated Kiowa Shale and Wellington Formation.

Contact (dotted and queried where concealed)

0 1 2 3 4 5

MILES

TRUE NORTH 10° MAGNETIC NORTH

N 16 12 8 4

CIRCULAR HISTOGRAM showing vector-resultant dip bearings plotted in 30° class intervals. Outside circumference represents 16 vector resultants.

Geologic contacts adapted from Mack, report in preparation