



Plate 7

Photomicrographs of silicified Ogallala from Phillips County, Kansas.

Fig. 1—Silicified sandy silt, showing zonation of silicification; from the NW sec. 24, T. 5 S., R. 19 W., Phillips County, Kansas; plane polarized light, X 10.

Fig. 2—Same as 1; crossed nicols, X 10.

Fig. 3—Concretions in silty sand, showing opaline cement; from sec. 5, T. 2 S., R. 17 W., Phillips County, Kansas; plane polarized light, X 25.

Fig. 4—Part of an irregular mass of chert included within fine-grained quartzite, from the NE sec. 18, T. 5 S., R. 19 W., Phillips County, Kansas; plane polarized light, X 10.

Fig. 5—Same as 4; crossed nicols, X 10.

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