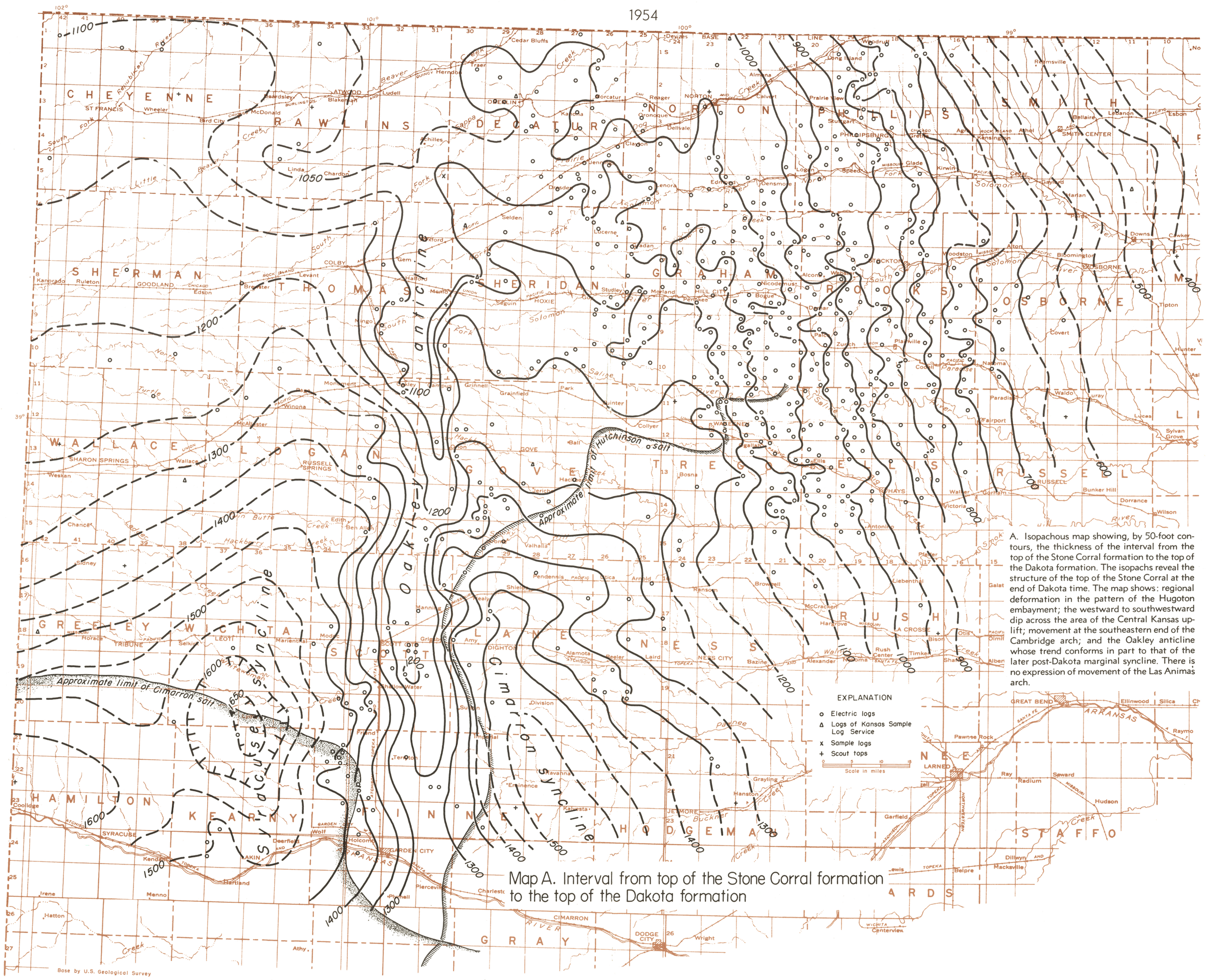
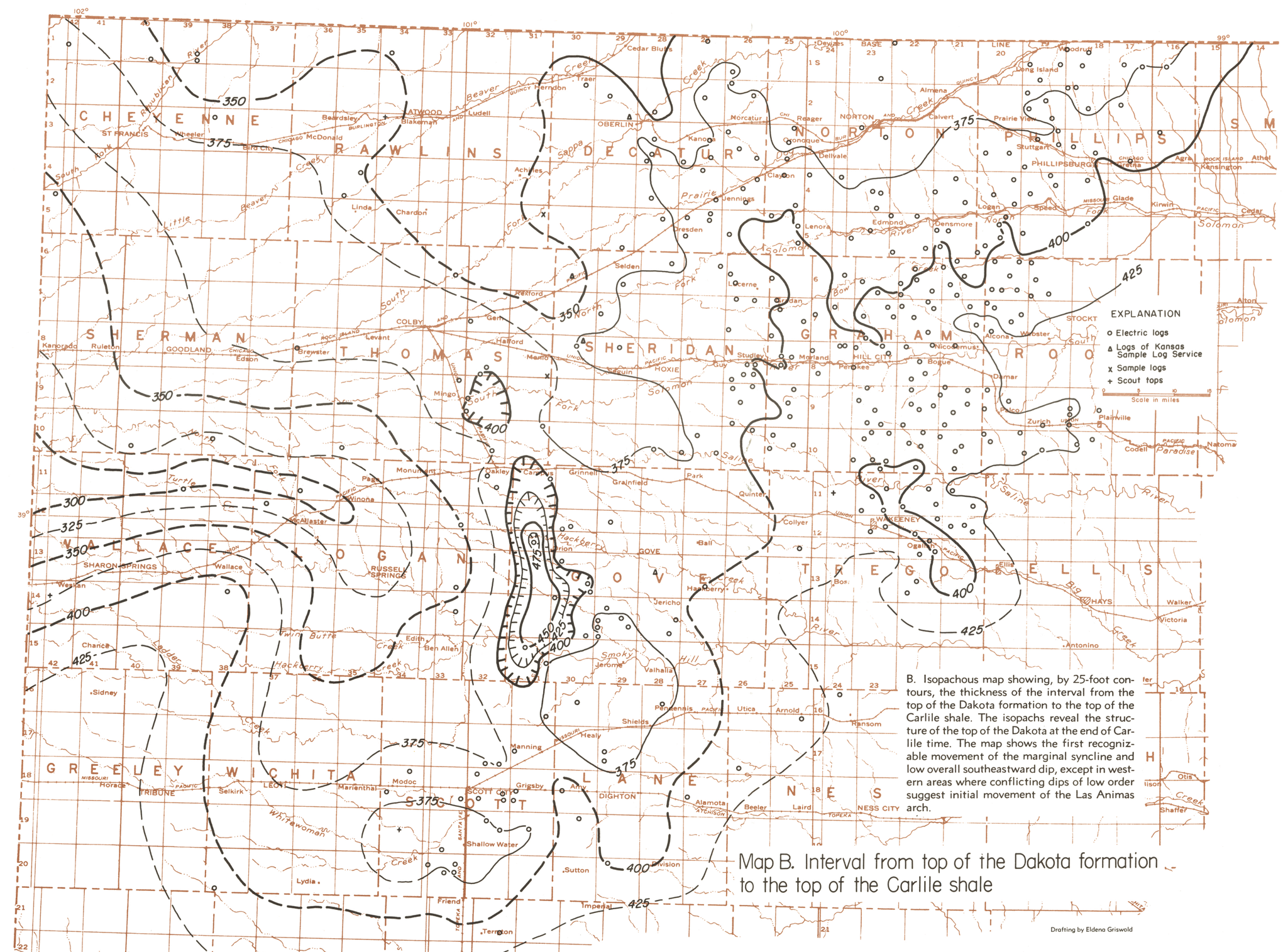


A. Isopachous map showing, by 50-foot contours, the thickness of the interval from the top of the Stone Corral formation to the top of the Dakota formation. The isopachs reveal the structure of the top of the Stone Corral at the end of Dakota time. The map shows: regional deformation in the pattern of the Hugoton embayment; the westward to southwestward dip across the area of the Central Kansas uplift; movement at the southeastern end of the Cambridge arch; and the Oakley anticline whose trend conforms in part to that of the later post-Dakota marginal syncline. There is no expression of movement of the Las Animas arch.

Map A. Interval from top of the Stone Corral formation to the top of the Dakota formation



B. Isopachous map showing, by 25-foot contours, the thickness of the interval from the top of the Dakota formation to the top of the Carlile shale. The isopachs reveal the structure of the top of the Dakota at the end of Carlile time. The map shows the first recognizable movement of the marginal syncline and low overall southeastward dip, except in western areas where conflicting dips of low order suggest initial movement of the Las Animas arch.

Map B. Interval from top of the Dakota formation to the top of the Carlile shale

ISOPACHOUS MAPS OF WESTERN KANSAS