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SALT IN THE VICINITY OF HUGOTON

by

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Salt occurs in Kansas at two stratigraphic horizons in the Permian rocks, namely the Wellington shale formation and the Cimarron series. The areal distribution of these two salt deposits is shown on the accompanying map. The Wellington salt is that salt produced in the vicinity of Hutchinson, Lyons and Kanopolis and is known to locally exceed 500 feet in thickness. The reserves are enormous.

In the vicinity of Hugoton the Wellington salt is either entirely absent or very thin and occurs at a considerable depth below the surface. The Cimarron salt occurs at a shallower depth in this general area. Several well logs in southern Grant county indicate a thickness of more than 30 feet of Cimarron salt between the depths of 1,500 and 1,700 feet. In the immediate vicinity of Hugoton there are no core records available and in many of the rotary wells samples were not kept until this depth was passed. As indicated by the rather inadequate data available, it is certain, however, that some salt occurs in the Cimarron. Just how thick the salt is, how many salt beds occur in the Cimarron series, and the chemical quality of the salt can be determined only by coring through this part of the section.