THICKNESS OF LOWER CRETAUCEOUSINYAN KARAGROUP,
POMDER RIVER BASIN, WYOMING AND MONTANA

By James E. Fox and Debra K. Higley

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Scale 1:500,000

Contour interval 30 feet

EXPLANATION

Bohrum. Number is thickness in feet.

Isopach of mapped interval in feet. Thickness values were not corrected to true thickness nor labeled as anomalies. In wells with indication of boils, faulting, or problems of hole deviation. Such occasional conditions are more likely to occur in the southeast portion of the map and along deformed margins of the basin.

Generalized outline of the Upper Cretaceous Lame Formation and Fox Hill Sandstone, undivided.

Generalized outline of the Lower Cretaceous Fox Hill Sandstone.

Data from which this map was constructed are stored in a database of formation tops and bases determined from electric logs of 196 wells. Preliminary Upper Cretaceous and older rocks. These logs are shown in 23 cross sections of the Powder River basin by James E. Fox, 1985 (U.S. Geological Survey Open-File Report 85-456 through 85-456H). The map was produced by using the Interactive Surface Modeling (ISM) program of DynaGraphics, Inc. Values at some of the data locations may not be as closely followed as on a hand-drawn map because of the mathematical constraints of the mapping program.

This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards.