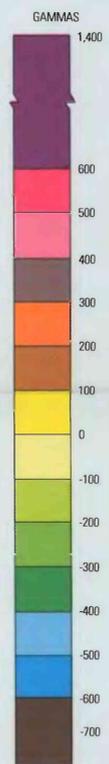


EXPLANATION



--- Approximate outline of Powder River Basin

(A) Gravity and/or magnetic anomaly—Discussed in text

A—A' Geophysical profile—Shown in figure 6 and discussed in the text

—300— Magnetic contours—Showing residual magnetic field in nanoteslas (nT) (1 nT=1 gamma). Contour interval 100 nT. Hachures indicate closed magnetic lows.

This aeromagnetic map, except for lat. 46° N. to 47° N. tier, was compiled by Rush and others (1983) from previously published National Uranium Resource Evaluation (NURE) data. I compiled the northern tier directly from NURE data (U. S. Department of Energy, 1981, 1986). The map is based on east-west flight lines spaced every 5 km (3 miles) with north-south tie lines at 30 km (16 miles) interval.

AEROMAGNETIC ANOMALY MAP OF THE POWDER RIVER BASIN AND SURROUNDING AREAS, SOUTHEASTERN MONTANA, NORTHEASTERN WYOMING, AND WESTERN SOUTH DAKOTA

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1994