AEROMAGNETIC MAP OF PART OF THE SOUTHERN POWDER RIVER BASIN, WYOMING

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EXPLANATION

10 GAUSS CONTOUR

Flight lines spaced 1.2 kilometers
Flight line altitude 122 meters above terrain
Flight lines oriented north-south

Flight line positions have been published by R. A. Schmidt, U.S. Geological Survey Open-File Report 75-461.

The 1965 IGRF updated to July 1975 has been removed from the data. The result was removal of a regional trend of 4.2 gamma/kilometer north and 1.5 gamma/kilometer east. A constant of 1000 gamma was added to all values to remove consistently positive values.

IGRF 5267A and observed field
57555 at 43° 35' N, 105° 45' W.

NOTE: The contours on this map were computer generated and hand smoothed. Some detail may have been lost in the process. The data has been gridded on a 400 meter spacing, and no filtering was done to the data before contouring.

INDEX MAP SHOWING THE LOCATION OF THIS REPORT

Wyoming
Casper
Douglas

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

Scale 1:125,000
10 KILOMETERS

Inches are 1/8", 1/4"