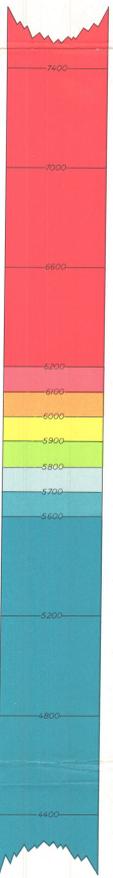


EXPLANATION



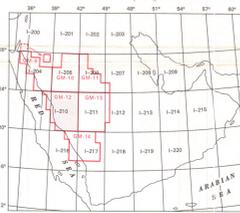
Magnetic contours
Showing total intensity magnetic field of the earth in gamma relative to arbitrary datum. Regional magnetic gradient has been removed.

Note: References are cited in text

SOURCES OF MAGNETIC COMPILATION

- A. Flown in 1955 and 1956 by consortium
- B. Flown in 1956 and 1967 by consortium
- C. Flown in 1962 and 1967 by consortium

Aeromagnetic data for most of the Arabian Shield was acquired during the winters of 1965, 1966, and 1967 by a consortium of companies consisting of Aero Service Corp., Hunting Geology and Geophysics, Ltd., Lockheed Survey Corp., Ltd., and Arabian Geophysical and Surveying Co. Flown and compiled under the supervision of the Bureau de Recherches Géologiques et Minières (BRGM), the magnetic data is available at both 20 and 100 gamma contour intervals. Prior to 1965, several small areas were flown under the direction of the U.S. Geological Survey.



Inset map showing 1967 aeromagnetic study published in 1968 prospectus by Saudi Arabia Oil, Gas, Mineral Resources and Geology Survey and geographic map published by U.S. Geol. Survey.

TOTAL INTENSITY AEROMAGNETIC MAP OF THE SOUTHERN HIJAZ QUADRANGLE, KINGDOM OF SAUDI ARABIA

By
G. E. Andreasen and A. J. Petty

SCALE 1:500 000
KILOMETERS
MILES

NE-SW flight lines, spaced 800 meters apart flown at 150 meters above ground in the northeast area and at 300 meters above ground in the western and southern areas, terrain spot elevations in meters.