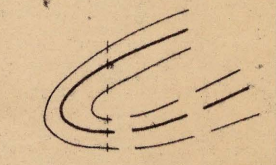




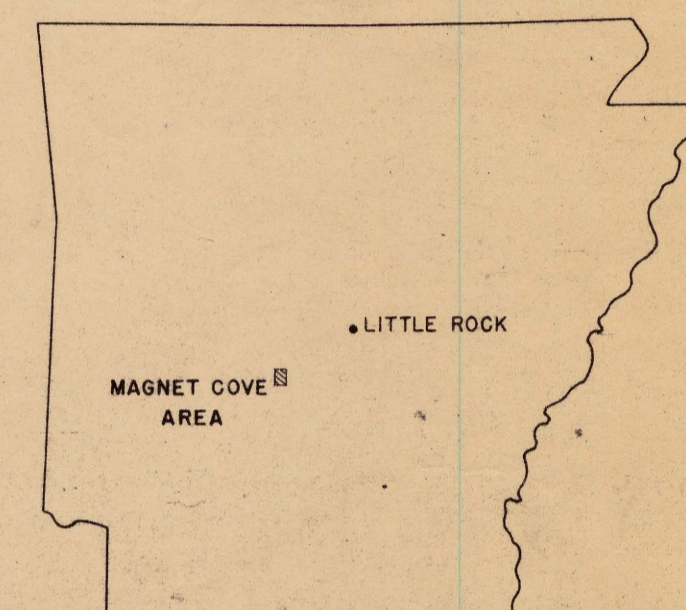
EXPLANATION



Magnetic contours with flight-line intersections; contours dashed over industrial anomaly where data are inferred



Measured maximum intensity within closed high



Index map of Arkansas

EXPLANATORY TEXT

On December 8, 1946, the U.S. Geological Survey carried out an experimental aeromagnetic survey to map a large magnetic high known to exist in the Magnet Cove area.

North-south traverse lines were flown approximately 1,000 feet above the ground at one-quarter mile intervals. Magnetic measurements, completed in less than two hours, were made of the 50-square-mile area by an AN/ASQ-3A airborne magnetometer installed in a Beechcraft AT-11 airplane. Aerial photographs were used for pilot guidance and a uniform distance from plane to ground was maintained with a continuous recording radio altimeter.

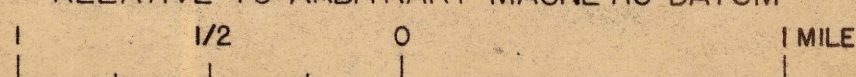
Inadequate positional control caused minor irregularities in the magnetic contours. Irregularities not exceeding one-half a contour interval have been removed when positional uncertainty was indicated.

Base map from U.S. Geological Survey preliminary multiplex compilation sheet

Aeromagnetic survey 1946 by F. Keller and J.R. Henderson

TOTAL INTENSITY AEROMAGNETIC MAP OF MAGNET COVE AREA
HOT SPRINGS COUNTY, ARKANSAS

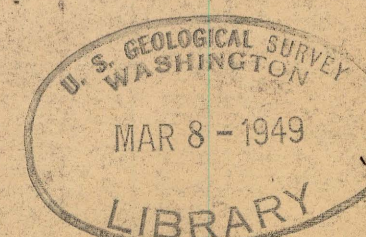
RELATIVE TO ARBITRARY MAGNETIC DATUM



Contour interval 200 gammas

Flown 1000 feet above surface

1949



U.S. Geological Survey,
Geophysical investigations,
Preliminary maps.

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no. 49-34
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Arkansas (Magnet Cove area) Aeromagnetic

