DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

GEOPHYSICAL INVESTIGATIONS
MAP GP-754

Base from U.S. Geological Survey: Durmid, 1964; Frink, 1956; Iris Pass, 1963; Kane Spring, 1940; Calipatria, 1963; and Iris, 1940

SCALE 1:62 500

Geology from Helgeson, 1968 and Muffler and White, 1969.
Aeromagnetic survey flown by, G. R. Boynton at 800' barometric elevation. Compiled by W. E. McCaslin

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1971—675275

AEROMAGNETIC PROFILES SHOWING MAGNETIC ANOMALIES THAT ARISE FROM SMALL SOURCES AT SHALLOW DEPTHS IN THE SALTON SEA GEOTHERMAL AREA, CALIFORNIA. PROFILE NUMBERS ARE KEYED TO THE AEROMAGNETIC MAP.

CALCULATED MAGNETIC PROFILE AND STRUCTURE INFERRED FROM OBSERVED MAGNETIC PROFILE ALONG SECTION *A–A'*

CALCULATED MAGNETIC PROFILE AND STRUCTURE INFERRED FROM OBSERVED MAGNETIC PROFILE ALONG SECTION *B–B'*.

INDEX MAP SHOWING LOCATION OF THE SALTON TROUGH

AEROMAGNETIC MAP AND INTERPRETATION OF THE SALTON SEA GEOTHERMAL AREA, CALIFORNIA

By
Andrew Griscom and L. J. P. Muffler

1971

EXPLANATION

- Rhyolite
- Clastic sediments and sedimentary rocks
- Igneous and metamorphic rocks
- QUATERNARY AND TERTIARY
- PRE-TERTIARY
- Contact
- Fault
- Thermal spring or group of springs
- Geothermal well
- Magnetic Contours — *Showing total intensity magnetic field of the earth in gammas relative to arbitrary datum. Hatchured to indicate closed areas of lower magnetic intensity. Dashed where data are incomplete. Contour intervals 50 and 10 gammas*
- Location of measured maximum or minimum intensity within closed high or closed low
- 18 — Flight path — *Showing location, spacing of data, and flight line number*
- G — Magnetic anomaly

For sale by the U.S. Geological Survey, price $1.00
Explanatory pamphlet accompanies map