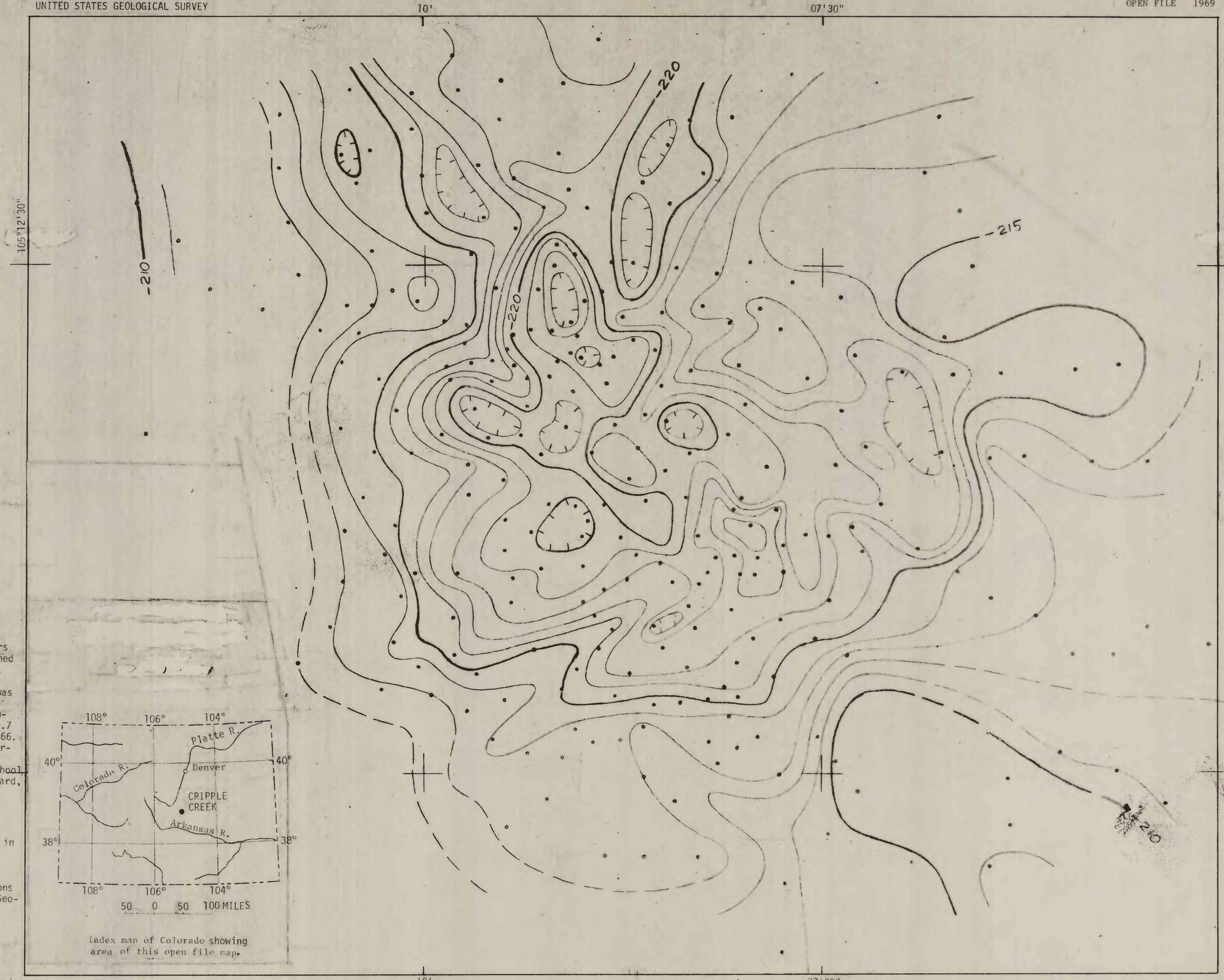
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE 1969



EXPLANATION

-220

Gravity contours

Contour interval 1 milligal. Hachured contours indicate areas of low gravity closure and dashed contours indicate where approximately located.

A density of 2.67 grams per cubic centimeter was assumed in reducing the data to the complete Bouguer anomaly. Terrain corrections were computed on a digital computer to a radius of 166.7 kilometers by a method described by Plouff, 1966. Theoretical gravity was computed from the International Formula. The gravity values were referenced to base station WU 7 at Colorado School of Mines, Golden, Colorado (Behrendt and Woollard, 1961).

References

Behrendt, J. C. and Woollard, G. P., 1961, An evaluation of the gravity control network in North America: Geophysics, v. 26, no. 1, p. 65.

Plouff, Donald, 1966, Digital terrain corrections based on geographic coordinates [abs.]: Geophysics, v. 31, no. 6, p. 1208.

Gravity station

Index map of Colorado showing area of this open file map.

Grid from U.S. Geological Survey topographic quadrangles. Cripple Creek North, 1951, Cripple Creek South, 1951, Big Bull Mountain, 1951, Pikes Peak, 1951

Gravity survey made in 1967-1968

BOUGUER GRAVITY MAP OF THE CRIPPLE CREEK MINING DISTRICT TELLER COUNTY, COLORADO

By
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