



Base from U.S. Geological Survey, 1:250,000  
Goldfield and Caliente, 1944-62

**EXPLANATION**

**OUTCROPPING MESOZOIC(?) TO PRECAMBRIAN ROCKS** - From Ekren and others (1971) and Tschaz and Pampeyan (1970) in eastern part of area and generalized from H. R. Cornwall (written communication, 1963) in western part of area

**GRAVITY CONTOURS** - Dashed where approximately located. Contour interval 1 and 5 milligals. Shaded pattern indicates closed area of low gravity. A density of 2.67 g/cm<sup>3</sup> (grams per cubic centimeter) was assumed in reducing the data to the complete Bouguer anomaly. Terrain corrections were computed through zone I (Hammer, 1939) and applied to all stations. Theoretical gravity was computed from the International Formula. The gravity values are referred to the base station at McCarran Field in Las Vegas, Nevada (Woolard, 1958). Some gravity stations were originally set by D. R. Mabey (1959, unpub. data)

**DRILL HOLE**  
**GRAVITY STATION**

**REFERENCES**  
Ekren, E. B., Anderson, R. E., Rogers, C. L., and Noble, D. C., 1971, Geology of northern Nellis Air Force Base Bombing and Gunnery Range, Nye County, Nevada, U.S. Geol. Survey Prof. Paper 651, 91 p.  
Hammer, Sigmund, 1939, Terrain corrections for gravimeter stations: Geophysics, v. 4, no. 3, p. 184-194.  
Tschaz, C. M., and Pampeyan, E. H., 1970, Geology and mineral deposits of Lincoln County, Nevada: Nevada Bur. Mines Bull. 73, 187 p.  
Woolard, G. F., 1958, Results for a gravity control network at airports in the United States: Geophysics, v. 23, no. 2, p. 520-535.



MAP OF NEVADA SHOWING AREA OF THIS REPORT



CONTOUR INTERVAL 200 FEET  
DASHED IS MEAN SEA LEVEL  
1973 MAGNETIC DECLINATION VARIES FROM 16° EASTERLY FOR THE WEST EDGE TO 15° 30' EASTERLY FOR THE CENTER OF THE EAST EDGE

**GRAVITY MAP OF THE NORTHERN NELLIS AIR FORCE BOMBING AND GUNNERY RANGE, NEVADA**

By  
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