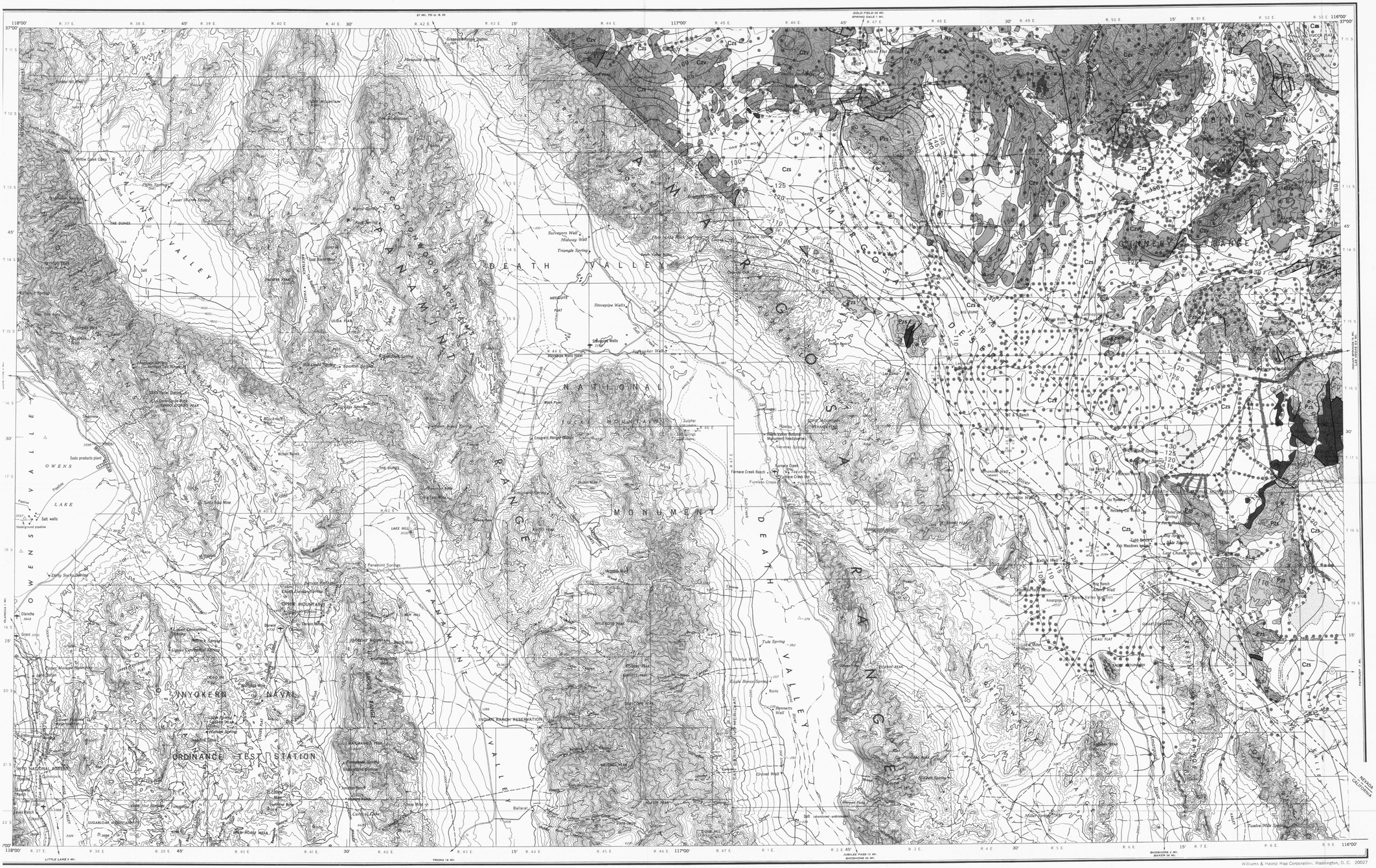
ADA BUREAU OF MINES AND GEOLOGY

PREPARED IN COOPERATION WITH THE U.S. GEOLOGICAL SURVEY

MAP 69 BOUGUER GRAVITY MAP OF NEVADA—DEATH VALLEY SHEET



Czs — Cenozoic sedimentary rocks

Alluvial deposits, playa deposits, tuffaceous sedimentary rocks, sandstone, conglomerate, minor limestone and dolomites.

Czv — Cenozoic volcanic rocks

Olivine basalts, welded to unwelded ash-flow tuffs, andesite lava and breccia, intrusive andesites.

Ti — Tertiary intrusive rocks

Granitic, rhyolitic and dioritic intrusive rocks.

Pzs — Paleozoic sedimentary rocks

Quartzite and minor amounts of conglomerate, phyllitic siltstone, limestone and minor amounts of dolomite and shale.

pC — Precambrian rocks

Quartzite, phyllitic siltstone, conglomerate, limestone and dolomite.

CENOZOIC

PALEOZOIC

PRECAMBRIAN

Contact

Fault

Thrust fault

Barbs of upper plate.

H
−120

Gravity contours

Contour interval 5 milligals. Areas of low gravity are shown by "L", high gravity by "H".

Gravity base station

Gravity station

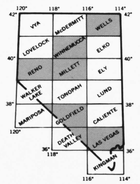
The data have been reduced to the 1971 IGSN (International Gravity Standardization Network) (International Association of Geodesy, 1971). Bouguer reduction density is 2.67 g/cm³. Terrain corrections were made for all stations from the stations out to a distance of 166.7 km by a method described by Plouff (1977) and revised by R. H. Godson in 1978. See U.S. Geol. Survey Open-file Report 474-263, 1978, for further discussion.

Williams & Heintz Map Corporation, Washington, D. C. 20027

INDEX MAP

Area of coverage shown by heavy black border.

Published sheets shaded.



SOURCES OF GRAVITY DATA

Healey, D. L., Wahl, R. R., Currey, F. E., and Stephens, W. E., 1978, U.S. Geol. Survey Open-file Report 474-263. Complete Bouguer gravity map of the Nevada part of the Death Valley 1° x 2° sheet.

SCALE 1:250,000

0 5 10 15 20 25 30 35 40 Kilometers

0 5 10 15 20 25 Miles

CONTOUR INTERVAL 200 FEET WITH SUPPLEMENTARY CONTOURS AT 100-FOOT INTERVALS

COMPLETE BOUGUER GRAVITY MAP OF NEVADA

DEATH VALLEY SHEET

D. L. Healey, R. R. Wahl, and H. W. Oliver

1980

SOURCE OF GENERALIZED GEOLOGY

Stewart, J. H., and Carlson, J. E. (1974) Preliminary geologic map of Nevada: U.S. Geol. Survey Misc. Field Studies, MF-609.

Base map: U.S. 1:250,000 series, Death Valley sheet, 1970

First edition, first printing, 1980: 1550 copies
Printed by Williams and Heintz Map Corp., Washington, D.C.
Cartography by Susan L. Nichols
Edited by Mari A. Stephens
Geology generalized by John W. Erwin
Composed by Janet Amesbury

Nevada Bureau of Mines and Geology
University of Nevada, Reno, NV 89557
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