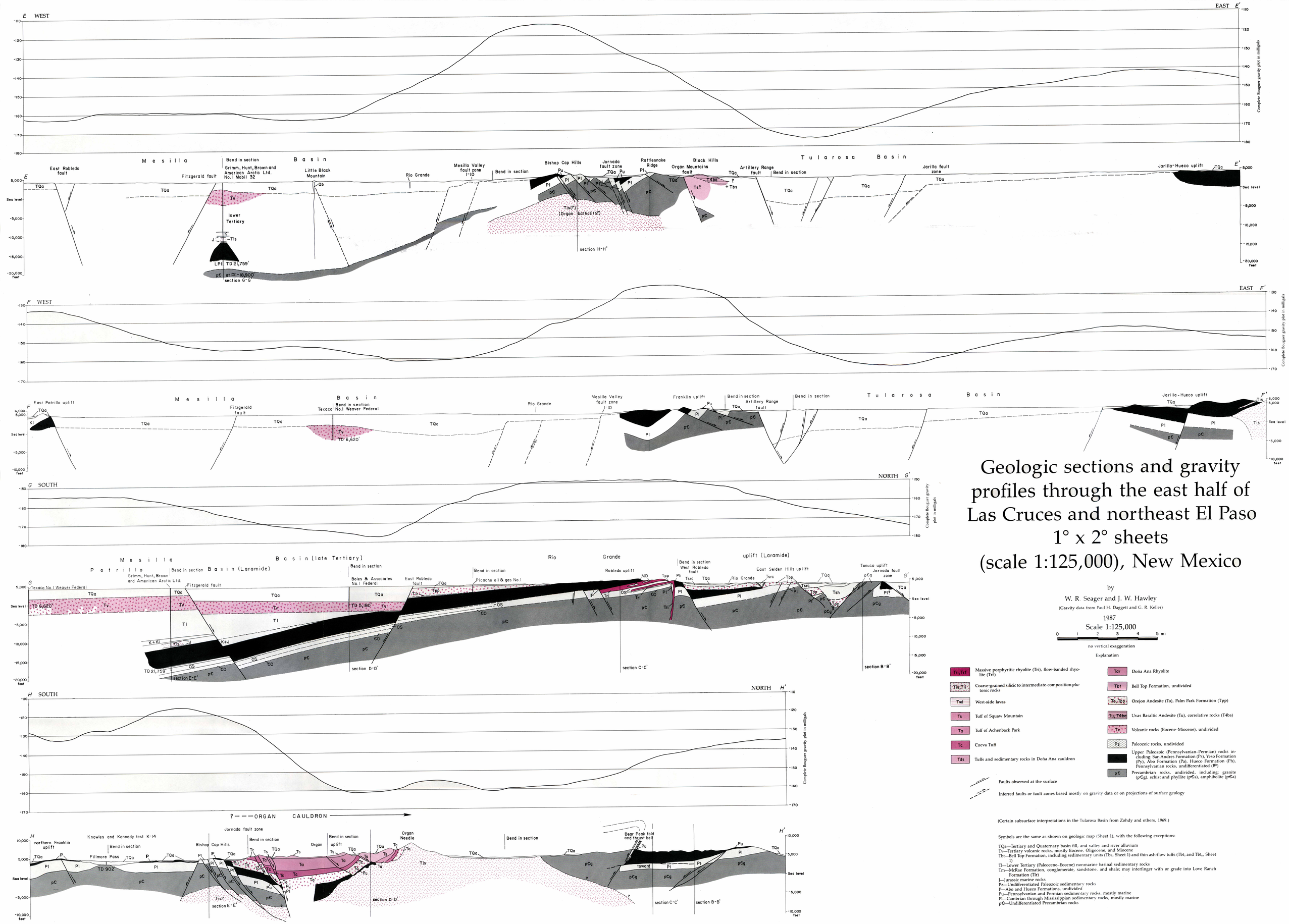


# Geologic sections and gravity profiles through the east half of Las Cruces and northeast El Paso 1° x 2° sheets (scale 1:125,000), New Mexico


by

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(Gravity data from Paul H. Daggett and G. R. Keller)



1987

Scale 1:125,000

0 1 2 3 4 5 mi

no vertical exaggeration


Explanation

- Tri, Trf — Massive porphyritic rhyolite (Tri), flow-banded rhyolite (Trf)
- Tis, Tir — Coarse-grained silicic to intermediate-composition plutonic rocks
- Twl — West-side lavas
- Ts — Tuff of Squaw Mountain
- Ta — Tuff of Achenback Park
- Tc — Cueva Tuff
- Tds — Tuffs and sedimentary rocks in Doña Ana cauldron
- Tdr — Doña Ana Rhyolite
- Tbf — Bell Top Formation, undivided
- To, Tpp — Orejon Andesite (To), Palm Park Formation (Tpp)
- Tu, T4ba — Uvas Basaltic Andesite (Tu), correlative rocks (T4ba)
- Tv — Volcanic rocks (Eocene–Miocene), undivided
- Pz — Paleozoic rocks, undivided
- Upper Paleozoic (Pennsylvanian–Permian) rocks including San Andres Formation (Ps), Yeso Formation (Py), Abo Formation (Pa), Hueco Formation (Ph), Pennsylvanian rocks, undifferentiated (P)
- pC — Precambrian rocks, undivided, including: granite (pCg), schist and phyllite (pCs), amphibolite (pCa)

Faults observed at the surface

Inferred faults or fault zones based mostly on gravity data or on projections of surface geology

(Certain subsurface interpretations in the Tularosa Basin from Zohdy and others, 1969.)

Symbols are the same as shown on geologic map (Sheet 1), with the following exceptions:

TQa—Tertiary and Quaternary basin fill, and valley and river alluvium
Tv—Tertiary volcanic rocks, mostly Eocene, Oligocene, and Miocene
Tbt—Bell Top Formation, including sedimentary units (Tbs, Sheet 1) and thin ash-flow tuffs (Tbt, and Tbt$_u$, Sheet 1)
Tl—Lower Tertiary (Paleocene–Eocene) nonmarine basinal sedimentary rocks
Tm—McRae Formation, conglomerate, sandstone, and shale; may interfinger with or grade into Love Ranch Formation (Tlr)
J—Jurassic marine rocks
Pz—Undifferentiated Paleozoic sedimentary rocks
P—Abo and Hueco Formations, undivided
Pu—Pennsylvanian and Permian sedimentary rocks, mostly marine
Pl—Cambrian through Mississippian sedimentary rocks, mostly marine
pC—Undifferentiated Precambrian rocks