



LEGEND

SEDIMENTARY ROCKS

QUATERNARY

- Bolson deposits
- UNCONFORMITY

TERTIARY

- Tag
- Agglomerate (with ag. con. etc.)
- UNCONFORMITY

Upper Cretaceous

- Kco
- Colorado shale
- UNCONFORMITY

Comanche (Lower Cretaceous)

- Ms
- Sarten sandstone
- Mc
- Limestone of Comanche age
- UNCONFORMITY

TRIASSIC

- Lobo formation
- UNCONFORMITY

Pennsylvanian

- Cg
- Gym limestone (In Coals Range includes Magdalen formation)
- UNCONFORMITY

Mississippian

- Clv
- Lake Valley limestone

Upper Devonian

- p
- Percha shale

Upper Ordovician and Silurian

- Sof
- Fusselman limestone (Silurian)
- Montoya limestone (Upper Ordovician)
- UNCONFORMITY

Lower Ordovician

- Oe
- El Paso limestone
- UNCONFORMITY (?)

Upper Cambrian

- C
- Bliss sandstone

IGNEOUS ROCKS

- b
- Basalt
- rf
- Rhyolite (felsitic), rf and rhyolite porphyry, rp
- k
- Keratophyre (Dikes and sills)
- r
- Rhyolite (Biotite-hornblende rhyolite)
- qb
- Quartz basalt
- ql
- Quartz latite
- a
- Andesite (Hornblende andesite, flows and dikes)
- gp
- Granite porphyry
- p
- Other porphyries (Quartz monzonite porphyry and granodiorite porphyry)
- g
- Granite
- Fault

UNDERGROUND WATER

- Water less than 25 feet below the surface (Volume great at most places)
- Water 25 to 40 feet below the surface (Volume great at most places)
- Water 40 to 50 feet below the surface (Volume great at most places)
- Water 50 to 100 feet below the surface (Volume variable; area not fully determined)
- Water 100 to 400 feet below the surface (Volume moderate at most places)
- Water conditions not determined; probably unfavorable at most localities
- Well with depth in feet (Lower figures show depth to water surface)
- Scant supply
- Boring failed to obtain good water

NOTE.—Areas of rock outcrop contain but little water except in widely scattered springs and seeps.

Full-line contours from map of Deming quadrangle by R. O. Gordon, 1893.
 Contours along southern margin from maps of the International Boundary Commission.
 Broken-line contours approximate, based on railroad levels and barometer.

GEOLOGIC MAP OF LUNA COUNTY, NEW MEXICO

BY N. H. DARTON, 1913.

