NEW MEXICO BUREAU OF MINES AND MINERAL RESOURCES A.J. Thompson, Director

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BULLETIN 48 PLATE I

GEOLOGIC MAP AND STRUCTURE SECTIONS OF THE CERRILLOS AREA, SANTA FE COUNTY, NEW MEXICO

Geology mapped in 1950-1951 by
Alan E. Disbrow, University of New Mexico

Base map
from parts of
U.S. Soil Conservation
Service sheets 132 and 156

Approximate mean
declination 1952

Scale 1/31680

0 1 2 3 MILES

EXPLANATION

VOLCANIC ROCKS | SEDIMENTARY ROCKS | INTRUSIVE ROCKS | SEDIMENTARY ROCKS

- Qal — Alluvium
- Qc2 — Qc2 - younger flow; Qc1 - older flow — Cuerbio basalt
- Qci — Feeders
- Qa — Ancha formation
- Ta — Abiquiu(?) formation
- Tc — Cieneguilla limburgite — Flows, tuff, and breccia
- Tci — Dike, showing dip, and plug

Recent; Pleistocene(?); Santa Fe group; Miocene(?); QUATERNARY

- Kmv — Mesaverde formation
- Km — Mancos shale
- Kd — Dakota(?) formation
- Jm — Morrison formation
- Jt — Todilto limestone
- Je — Entrada sandstone
- Trc — Chinle formation

CRETACEOUS; JURASSIC; TRIASSIC

- Te — Espinoso volcanics, undifferentiated — Volcanic rocks from all four igneous periods
- included with Te — Ti4 Ti4a Ti4b Ti4c — Igneous period T4 — Breccia and tuff
  - Ti4 — augite-biotite monzonite
  - Ti4a — augite-biotite monzonite porphyry
  - Ti4b — augite-biotite monzonite porphyry, with large andesine plates
  - Ti4c — augite-biotite syenite trachyte porphyry
- Tes — included with Ti — Igneous period T3 — Breccia and tuff — Small intrusions of hornblende-augite monzonite porphyry
- Te2 / Te2f — included with Ti — Igneous period T2 — Te2 - breccia and tuff; Te2f - latite porphyry flow — Small intrusions of hornblende-augite monzonite porphyry
- Te1 — Tuff and detritus, possibly associated with igneous period T1
- Ti — Igneous period T1 — Hornblende monzonite porphyry; includes small intrusions of igneous periods T2 and T3

Espinoso volcanics and associated intrusive rocks; Oligocene(?); TERTIARY

- Tg — Galisteo formation — Eocene

SYMBOLS

- 60 — Contact showing dip — Dashed where approximately located; dotted where based on meager data
- Fault — Dashed where approximately located, dotted where based on meager data; mark on downthrown side
- 15 — Strike and dip of beds
- 90 — Strike of vertical beds
- 75 — Strike and dip of overturned beds
- Major hill crest
- Mine shaft
- Adit
- Vein or shear zone
- Prospect pit (after W.C. Stoll)

Espanola; Jemez Caldera; Jemez Mountains; Sangre de Cristo Range; White Rock Canyon; Cerros del Rio; SANTA FE; Santa Fe River; Arroyo Hondo; Cochiti; Cieneguilla; La Bajada; Santa Domingo; Cienega; CERRILLOS AREA; Cerrillos; Galisteo; Ar. Pinovetito; Galisteo Creek; Jemez River; Rio Grande; Hagan; Ortiz Mts.; San Pedro Mtn.; South Mtn.; Estancia Basin; Sandia Mts.; ALBUQUERQUE; 0 10 20 MILES

North-Central New Mexico

North-Central New Mexico — Cerrillos Area

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