



Source of geologic information (See literature cited in text)

1. Wilpolt and others (1946)
2. Wilpolt and others (1951)
3. Kelly and Wood (1946)
4. Denny (1940)
5. Kelley (1954)

Compiled with modifications by Zane Spiegel, 1954

Scale
1955

EXPLANATION

Quaternary

- Qal Alluvium
- Qb Basalt flows
- Tsf Santa Fe formation
Tsf, undifferentiated, includes pediment
gravel; Tsf, interbedded lava flows,
basalt, and andesite
- Popotas formation
Detritus derived from Tertiary volcanic
rocks and Precambrian rocks

ANGULAR UNCONFORMITY

- Ti Intrusive rocks
Monzonite, gneiss, and trachyte
- Tdb Basal and Dalt formations, undifferentiated
Basal formation, sandstone and conglomerate;
Dalt formation, intermediate
lava flows and interbedded sediments

Triassic and Cretaceous

- KR Dockum group (Triassic): Dakota sandstone,
Manos shale, and Mesaverde group (Upper Cretaceous), all undifferentiated

Permian

UNCONFORMITY

- Pgl Limestone member
Gypsum and limestone
- Psg Glosveta sandstone member
- Pj Joyita sandstone member,
Cafuza gypsum member, and
Torres member, undifferentiated
- Pym Menes Blanca sandstone member
- Pa Abo formation
Red shale, red and buff arkose
- Pb Burnam formation
Red and maroon shale

Disconformity (?)

- Pme Archaic limestone member
Limestone, arkose, and shale
- Pml Lower gray limestone member
Cherry limestone
- Ps Sandia formation
Shale, micaceous sandstone, and thin limestone

ANGULAR UNCONFORMITY

- Granite, quartzite, schist, and gneiss

Formation boundary
(dashed where approximately located, dotted where concealed)

- Fault, 1 indicates downthrown side
- Fault, position uncertain
- Fault, covered
- Fault, covered, position uncertain

Quarry
Gravel pit

GEOLOGY OF NORTHEASTERN SOCORRO COUNTY, NEW MEXICO