



EXPLANATION

- Stream-laid sand and gravel of Quaternary age
- Landslides of Quaternary age
- Basalt lava flows of late Tertiary age
- Intrusive igneous rocks of early Tertiary age
Mostly sheets of dactite porphyry
- Stream-laid sedimentary rocks of Late Cretaceous and early Tertiary age
Poison Canyon and Botton Formations
- Sedimentary rocks, mostly marine, of Mesozoic age
Vermejo, Trinidad, Pierre, Niobrara, Carlisle, Greenhorn, Gypsum, Dakota, Morrison, and Entrada Formations, and Dockum Group
- Stream-laid sedimentary rocks of Paleozoic age
Sangre de Cristo Formation
- Granodiorite of Precambrian age
- Metamorphic rocks of Precambrian age
Mostly gneiss and schist
- Fault
Dotted where intruded by dactite porphyry

VERTICAL SCALE OF TOPOGRAPHY EXAGGERATED ABOUT 4 TIMES;
CROSS SECTIONS ARE DIAGRAMMATIC

GEOLOGIC STRUCTURE OF PHILMONT