

Explanation

- Tv Tertiary volcanic rocks undivided
- P Paleozoic rocks, Caloso Ss., Kelly Ls., Sandia Fm. Madera group

Precambrian metamorphic rocks

- ps Pelitic schist, stippled where massive non-foliated rock
- fs Feldspathic schist
- por Porphyry
- ms Mafic schist, amphibolites, some crosscut compositional layering & therefore may be dikes

Precambrian intrusive rocks and veins

- gr Kspar-rich, pink porphyritic granite
- a Aplite dikes
- p Pegmatites

Paleozoic intrusive rocks

- cd Carbonatite dikes, thin crosscutting dikes of gray or greenish gray, dk brown weathering, porphyritic, carbonate-rich rock. Dated by K/Ar method on Biotite/Phlogopite at 449 ± 16 m.y. (old constants) from Lemitar Mountains.

--- Contact, dashed where approximately located

--- Fault dashed where approximately located, bar and ball on downthrown side

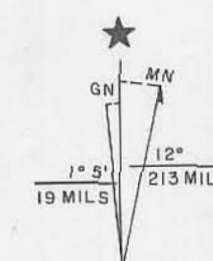
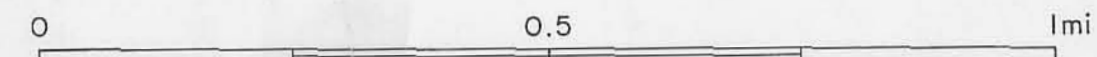
$\nearrow 62$
31 Strike and dip of foliation in metamorphic rocks, arrow denotes intersection cleavage lineation and plunge

--- Strike and dip of bedding

△△△ Brecciation

⊗ Prospect pit, Cu denotes copper staining

• Sample locations for rocks in collection at N.M. Bureau of Mines



UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF QUADRANGLE SHEET

Base enlarged from U.S.G.S. preliminary quadrangle in unchecked form. Present scale approximately 1:12000

Geology mapped by Susan Kent during summer of 1979.

GEOLOGY OF THE PRECAMBRIAN ROCKS
OF THE
SOUTHERN CHUPADERA MOUNTAINS,
Socorro County, New Mexico
By Susan Kent

OF 170