Otte_c_1954
pl. 2

Plate 2

EXPLANATION

QUATERNARY

Qal — Recent alluvium and older valley fill

Qgl — Younger gravel deposits

Qgh — Older gravel deposits

PERMIAN

Py — Yeso formation

Pa — Abo formation

Pl — Laborcita formation

PENNSYLVANIAN

Hk — Holder formation

Pb — Beeman formation

Pg — Gobbler formation

TERTIARY (?)

Tm — Acidic Intrusive; fine grained

Ti — Intrusive dikes, undifferentiated

Stike and dip of beds

H — H' Location of structure sections

4 — Location of important measured sections

Roads

Contacts

Dashed where approximately located

Indefinite or gradational

Concealed

Faults

U / D — Dashed where approximately located. Symbols U and D for upthrown and downthrown side of high angle faults.

Concealed

Folds

Overturned anticline

Anticline — Dashed where approximately located

Syncline — Dashed where approximately located

Key beds, shown by green lines within the mapped rock units are mostly distinctive beds in the Laborcita formation. Numbers indicate relative stratigraphic position and correspond to numbers on Correlation Chart. Key beds are dashed where approximately located.

22 — Limestone

27 — Sandstone

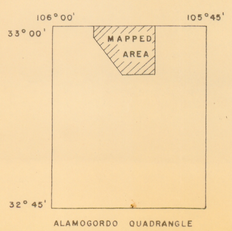
5 — Conglomerate

F-3 — Collection number of fusulinid locality

M-2 — Collection number of megafossil locality

II-F — Fusulinid collections from measured section II

The base of bed 5 is considered the basal contact of the Laborcita formation. North of Cottonwood Canyon the contact is a phantom horizon with a position stratigraphically equivalent to the base of bed 5. The base of bed 49 forms the lower contact of the Abo formation in this area.



GEOLOGIC MAP OF A PORTION OF THE ALAMOGORDO QUADRANGLE

OTERO COUNTY, NEW MEXICO

1 0.5 0 1 2 MILES

2000 1000 0 2000 4000 6000 FEET

CONTOUR INTERVAL 100 FEET

BASE MAP ENLARGED AND COMPILED FROM U.S. FOREST SERVICE MAPS.

GEOLOGY BY C. OTTE 1951-52