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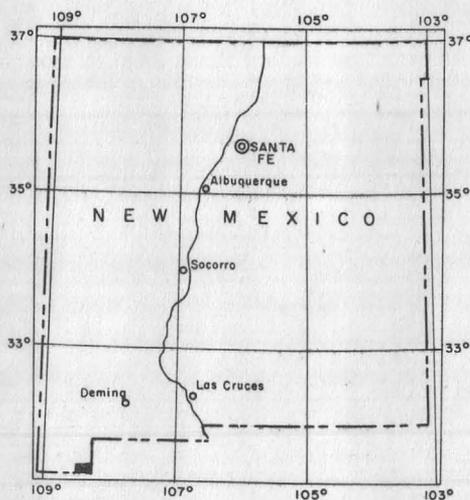
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GEOLOGIC MAP 8

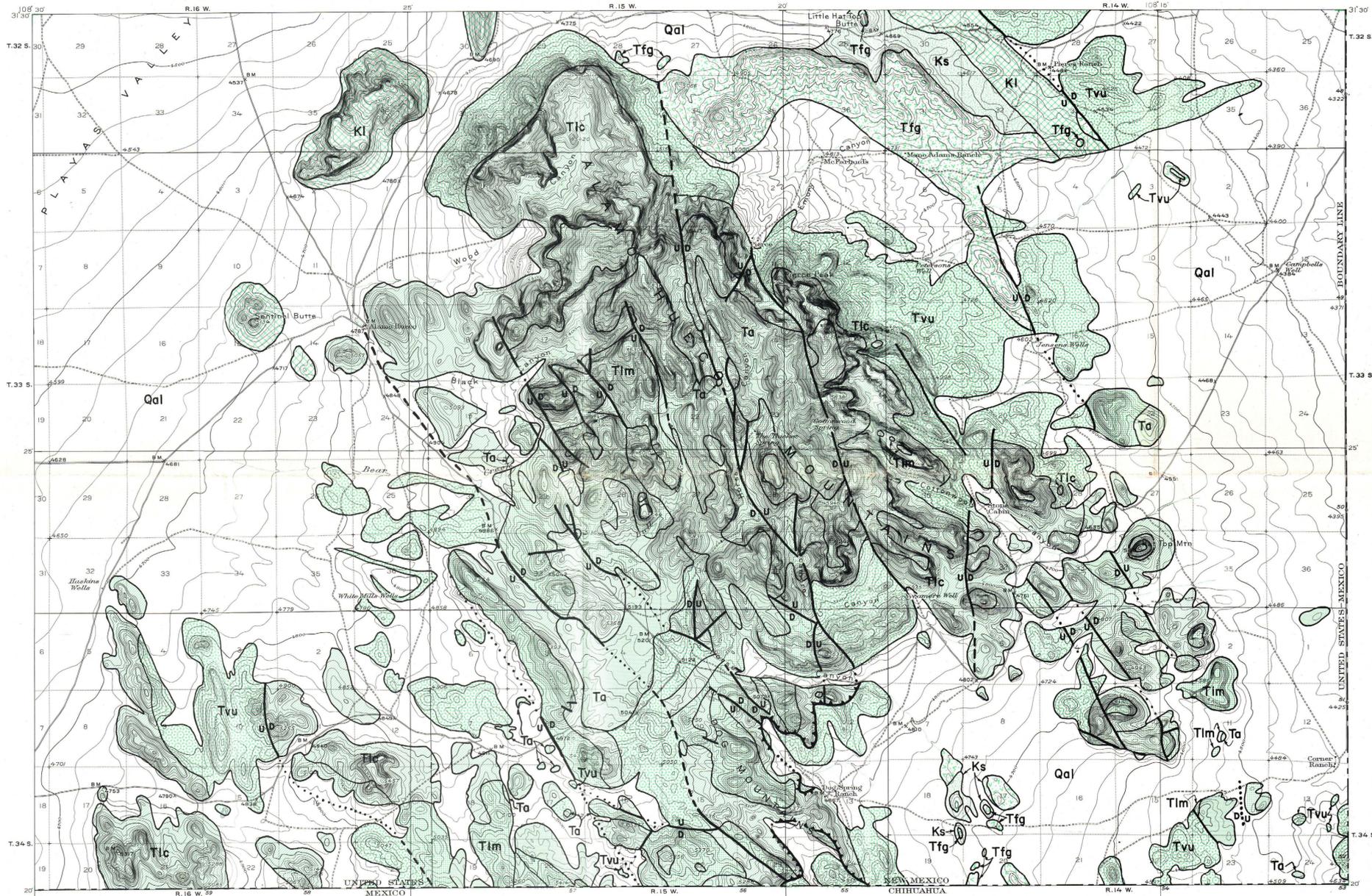
RECONNAISSANCE GEOLOGIC MAP OF DOG MOUNTAINS QUADRANGLE

By Robert A. Zeller, Jr.



STATE BUREAU OF MINES AND MINERAL RESOURCES
NEW MEXICO INSTITUTE OF MINING & TECHNOLOGY
CAMPUS STATION SOCORRO, NEW MEXICO

1959



EXPLANATION

Qal

Alluvium

UNCONFORMITY

Ta

Andesite flows

Black aphanitic locally vesicular andesite flows. Bed of pumaceous agglomerate found locally at base.

UNCONFORMITY

Tlm

Medium-grained quartz latite

Pink well-indurated medium-grained porphyritic welded tuff of quartz latite composition. Less resistant to erosion than underlying formation.

Tlc

Coarse-grained quartz latite

Pink well-indurated coarse-grained porphyritic welded tuff of quartz latite composition. Thick massive cliff-forming formation recognized throughout southwestern New Mexico.

Tvu

Undifferentiated volcanic rocks

All rocks of volcanic origin which underlie coarse-grained quartz latite. Lenticular beds of different rock types, including white rhyolite tuff, tuffaceous sandstone and conglomerate, agglomerate, welded crystalline rhyolite and latite tuff, and andesite.

Tfg

Limestone flanglomerate

Blocks, boulders, and cobbles of Paleozoic limestone.

ANGULAR UNCONFORMITY

Ks

Sandstone

Lenticular beds of brown-weathered quartz sandstone interbedded with gray shale. Largely of terrestrial origin but includes some marine beds in upper part.

Kl

Limestone

Thin- and medium-bedded gray limestone interbedded with marl.

Contact

Approximately located

Fault

Dashed where approximately located; dotted where concealed. U, upthrown side; D, downthrown side.

Thrust fault

Saw-teeth on side of upper plate; dotted where concealed.

QUATERNARY

TERTIARY

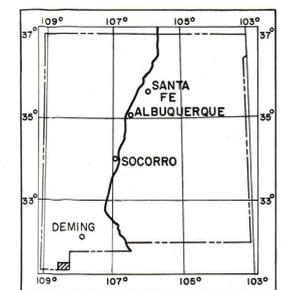
LOWER CRETACEOUS

Base from Dog Mountains Quadrangle;
surveyed by the U. S. Geological Survey
in cooperation with the War Department.



Approximate mean
declination, 1917

Geology mapped in 1957.
Geologic cartography by
E. S. Holman.



INDEX MAP
OF
NEW MEXICO

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Scale: 1:62,500

Statute Miles
1958