Limestone lenses in greenstone

Limestone in a sequence of undated argillite, graywacke, conglomerate, and quartzite

Limestone beds in a sequence of undated argillite, graywacke, conglomerate and quartzite

Boulder of limestone probably derived from nearby terrane in a sequence of undated chert, argillite, and volcanics

Limestone dibble not in place of origin

Limestone lenses and fossiliferous tuffs in a thick sequence of undated mostly lacustrine, phyric keratophyre and andesitic flows and tuffs

Fossiliferous sandy beds in thick sequence of dominantly andesite and keratophyre flows and tuffs

Interval C1

Volcanic, largely keratophyre

Volcanic unit, mainly andesite

Interval C1

Volcanic unit, mainly andesite and rhyolite. Possibly thrust from west

Volcanic unit, mainly andesite

Interval C1

Interval C1

Volcanic unit, largely andesite

Dated beds in conglomerate and limy silt stone overlain by rhyolite to andesite probably Guadalupe

CANADA
UNITED STATES

UNITED STATES
MEXICO

WASHINGTON
OREGON
IDAHO
MONTANA
NORTH DAKOTA
SOUTH DAKOTA
NEBRASKA
NEVADA
UTAH
COLORADO
KANSAS
OKLAHOMA
ARIZONA
NEW MEXICO
TEXAS

ANTLER OROGENIC BELT

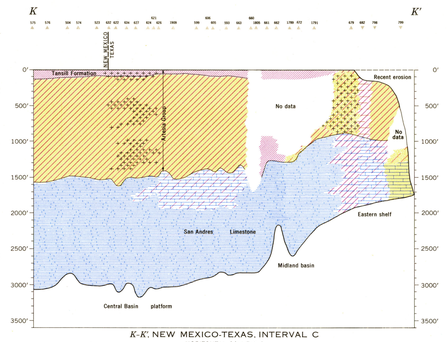
INTERVAL C

INTERVAL D

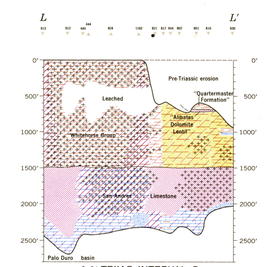
NOTES

Sections A-A′ to J-J′ (intervals A, B, and C-D) shown on plate 14.

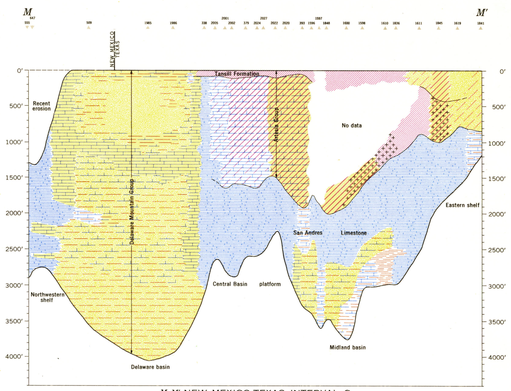
Names which have been incorrectly applied to a stratigraphic unit are included within quotation marks



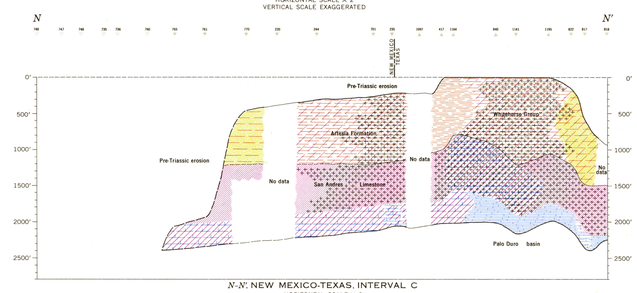
K-K′, NEW MEXICO-TEXAS, INTERVAL C
HORIZONTAL SCALE X 2
VERTICAL SCALE EXAGGERATED



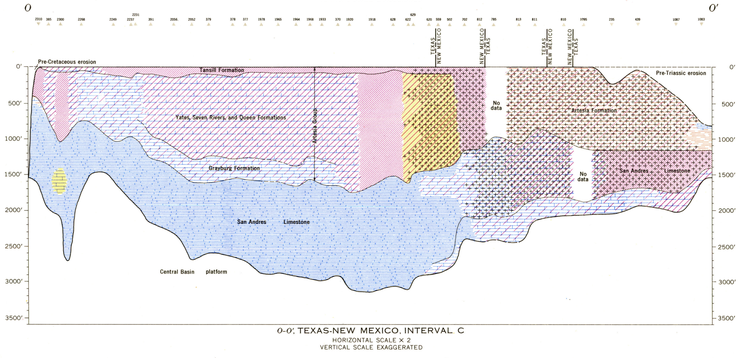
L-L′, TEXAS, INTERVAL C
HORIZONTAL SCALE X 2
VERTICAL SCALE EXAGGERATED



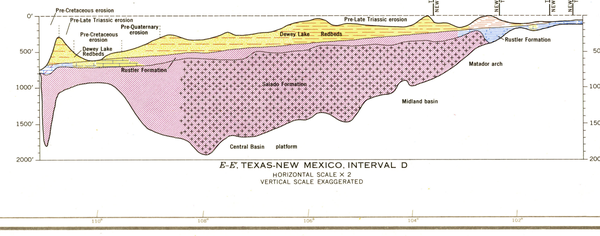
M-M′, NEW MEXICO-TEXAS, INTERVAL C
HORIZONTAL SCALE X 2
VERTICAL SCALE EXAGGERATED



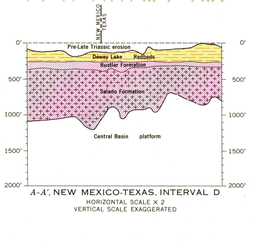
N-N′, NEW MEXICO-TEXAS, INTERVAL C
HORIZONTAL SCALE X 2
VERTICAL SCALE EXAGGERATED



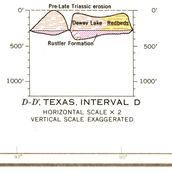
O-O′, TEXAS-NEW MEXICO, INTERVAL C
HORIZONTAL SCALE X 2
VERTICAL SCALE EXAGGERATED



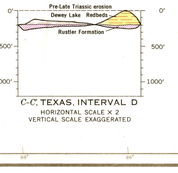
E-E′, TEXAS-NEW MEXICO, INTERVAL D
HORIZONTAL SCALE X 2
VERTICAL SCALE EXAGGERATED



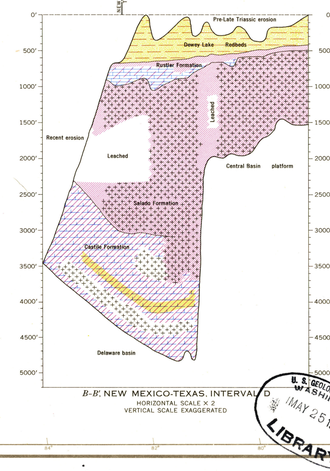
A-A′, NEW MEXICO-TEXAS, INTERVAL D
HORIZONTAL SCALE X 2
VERTICAL SCALE EXAGGERATED



D-D′, TEXAS, INTERVAL D
HORIZONTAL SCALE X 2
VERTICAL SCALE EXAGGERATED



C-C′, TEXAS, INTERVAL D
HORIZONTAL SCALE X 2
VERTICAL SCALE EXAGGERATED



B-B′, NEW MEXICO-TEXAS, INTERVAL D
HORIZONTAL SCALE X 2
VERTICAL SCALE EXAGGERATED

EXPLANATION

Outcrop or well where rocks of mapped interval are present

Where triangle is inverted, rocks of next higher interval are absent. Numbers correspond to those in source index in text

Outcrop or well where rocks of mapped interval are absent

Where triangle is pointed upward, rocks of next higher interval are present. Numbers correspond to those in source index in text

Composite section constructed from two or more outcrop or well sections

Numbers correspond to those in source index in text

Limit of intervals C and D

Dashed in areas of poor control; dotted in areas where Permian rocks have not been penetrated by drill

Fault

Dashed where control is poor. U, upthrown side; D, downthrown side

Trace of thrust fault

Sawteeth on upper plate

Line separating area in Texas where boundary between intervals B and C-D is at top of "Blaine Formation" and equivalents (north and east of line) from area where this boundary is at base of San Andres Limestone (south and west of line)

Area in vicinity of Permian rocks where older rocks are exposed

Not used in West Coast region

Area in vicinity of rocks of mapped intervals where younger rocks have not been penetrated by drill

Not used in West Coast region

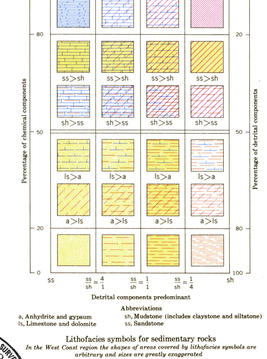
Area where lithofacies is undetermined

Area where mapped interval contains volcanic rocks

Area where mapped interval contains chert and phosphorite (minimum: 10 percent)

Area where mapped interval contains salt (minimum: 10 percent)

Chemical components predominant



Detrital components predominant

Abbreviations

s, Anhydrite and gypsum
ls, Limestone and dolomite
sh, Mudstone (includes claystone and siltstone)
ss, Sandstone

Lithofacies symbols for sedimentary rocks

In the West Coast region the shapes of areas covered by lithofacies symbols are arbitrary and sizes are greatly exaggerated

LITHOFACIES MAP AND SECTIONS, INTERVALS C AND D

SCALE 1:5 000 000

100 0 100 200 300 400 500 MILES

100 0 100 200 300 400 500 KILOMETERS

1967

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M(200)
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C.1