UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 853
PLATE 7-B

MAP SHOWING LITHOFACIES OF INTERVAL C OF PENNSYLVANIAN SYSTEM

SCALE 1:5 000 000

100 0 100 200 300 400 500 MILES

100 0 100 200 300 400 500 600 700 KILOMETRES

EXPLANATION

Outcrop section

Well section

Composite section constructed from outcrops, wells, or both, less than five miles apart

Generalized section constructed from scattered data in the surrounding area

Sinkhole section

Cave section

Composite section constructed from two or more sinkhole or cave sections

Limit of mapped interval
Dashed where control is poor; dotted where Pennsylvanian rocks have not been penetrated by drill

FAULTS

Post-Pennsylvanian fault
Shown only in Great Basin and west coast regions. Dashed in areas of poor control; queried where doubtful

Pennsylvanian fault
Fault associated with displacement or termination of isopachs; also closely related faults. Dashed in areas of poor control; queried where doubtful

Thrust fault
Sawteeth on upper plate

Lateral fault
Arrows show relative movement

Normal fault
U, *upthrown side*; D, *downthrown side*

Reverse fault
R, *upthrown side*

Area in vicinity of Pennsylvanian rocks where older rocks are exposed

Area in vicinity of Pennsylvanian rocks in which the Pennsylvanian, if ever present, has been masked or destroyed by igneous intrusion, metamorphism, or complex structural deformation

Area in vicinity of Pennsylvanian rocks in which Pennsylvanian rocks have not been penetrated by drill

Ouachita tectonic belt
Northern edge of shaded band indicates edge of tectonic belt; southern limits undetermined

Area where lithofacies is undetermined

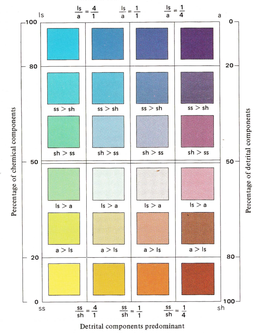
Salt
More than 10 percent of rock

Volcanic rocks

Chert

NOTE
This is a standardized explanation for all Pennsylvanian lithofacies maps; some symbols may not appear on this map.

Chemical components predominant



Detrital components predominant

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

Lithofacies symbols for sedimentary rocks

Line of section through Pennsylvanian rocks
Numbers correspond to control-point numbers on plate 1; number without control point indicates locality deleted for interval on this map but retained for one or more other intervals. Sections shown on plate 10A–F.

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