GEOLOGIC MAP OF OKFUSKEE COUNTY, OKLAHOMA

by

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1954

MILES

Index Map of Oklahoma Showing Location of Okfuskee County (Black)

EXPLANATION

- Qal — ALLUVIUM (Sand, silt, and clay on flood plains of present streams and in lower terrace deposits)
- Qt — HIGHER TERRACE DEPOSITS (Clay, sand, gravel, and volcanic ash occurring as remnants of deposits in abandoned channels of streams. Boundaries indefinite)

unconformity

- Pav — ADA and VANOSS FORMATIONS (undifferentiated) (Red and reddish-brown shales and thin sandstones)
- Pp — * PAWHUSKA FORMATION (Two thin gray to red dolomite beds separated by a 5-foot shale)
- Pv — VAMOOSA FORMATION (Undifferentiated shales, sandstones, and sandy chert conglomerates. Top unit is persistent reddish-brown shale about 15 feet thick. Boley conglomerate member at base)

unconformity

- Pt1-2 / Pt1-1 — TALLANT FORMATION (Upper unit of reddish-brown shale (Pt1-2) and lower unit of sandstone (Pt1-1), Overlapped by Vamoosa)
- Pbd-4 / Pbd-3 / Pbd-2 / Pbd-1 — BARNSDALL FORMATION (Interbedded sandstones (Pbd-1,3) and shales (Pbd-2,4). Units Pbd-2,3,4 are truncated at base of Vamoosa formation)

unconformity

- Pch-2 / Pch-1 — CHANUTE FORMATION (Upper shale (Pch-2) and lower sandstone (Pch-1))
- Pd-2 / Pd-1 — DEWEY FORMATION (Upper shale (Pd-2) and lower sandy limestone (Pd-1))
- Pnb-13 … Pnb-1 — NELLIE BLY FORMATION and HOGSHOOTER FORMATION (Nellie Bly formation: alternating sandstones (Pnb-2,4,6,8,10,12) and shales (Pnb-1,3,5,7,9,11,13). Thin persistent limestone at base of Pnb-12. Hogshooter formation: gray limestone and sandy limestone, fossiliferous (Ph))
- Pcf-3 / Pcf-2b / Pcf-2a / Pcf-1 — COFFEYVILLE FORMATION and CHECKERBOARD LIMESTONE (Coffeyville formation: upper and lower units of shale (Pcf-1,3) and middle unit of sandstone which contains a northward-wedging shale (Pcf-2b). Shales are extremely fossiliferous. Checkerboard limestone: fossiliferous gray limestone (Pch))

SYSTEM: PENNSYLVANIAN — Des Moines Series — Marmaton Group — Cabaniss Group

SYSTEM: PENNSYLVANIAN — Missouri Series — Skiatook Group

- Psb-3 / Psb-2b / Psb-2a / Psb-1 — SEMINOLE FORMATION (Upper shale unit (Psb-3) and lower sandstone unit (Psb-1) which contains in its middle part a northward-intertonguing unit of shale (Psb-2). Unit Psb-1b is calcareous at some localities. Chert conglomerate locally present in all sandstone units; coarsest conglomerate at base of formation)

unconformity

- Phb-3b / Phb-2b / Phb-3a / Phb-2a / Phb-1 — HOLDENVILLE SHALE (Upper shale unit (Phb-3) containing a northward-wedging sandstone (Phb-3b); middle sandstone unit (Phb-2), and lower shale unit (Phb-1) containing a southward-wedging sandstone (Phb-1b) that is locally calcareous. Shales are highly fossiliferous at some places)
- Pw-9 … Pw-1 — WEWOKA FORMATION (Conspicuous sandstone units (Pw-1,3,5,7,9) separated by thick shales (Pw-2,4,6,8). Sandstone unit Pw-1 interfingers with shale northward. Shale unit Pw-8 contains two southward-wedging sandstones (Pw-8b,d) in north)
- Pwt — WETUMKA SHALE (Gray silty shale containing thin friable sandstone in middle)
- Pcv-3 / Pcv-2 / Pcv-1 — CALVIN SANDSTONE (Lower and upper sandstone units (Pcv-1, 3) separated by middle shale unit (Pcv-2); locally divergent shale tongues at base not separately mapped)
- Psn-5 … Psn-1 — SENORA FORMATION (Alternating shales (Psn-1, 3, 5) and sandstones (Psn-2, 4). Base not exposed in map area)

Fault — Dotted where concealed; dashed where inferred. D, downthrown side. U, upthrown side

Base of resistant bed

Top of resistant bed

School

Church

Cemetery

Railroad

Abandoned railroad

Paved road

Improved road

Trail

State highway

U. S. highway

Quarry