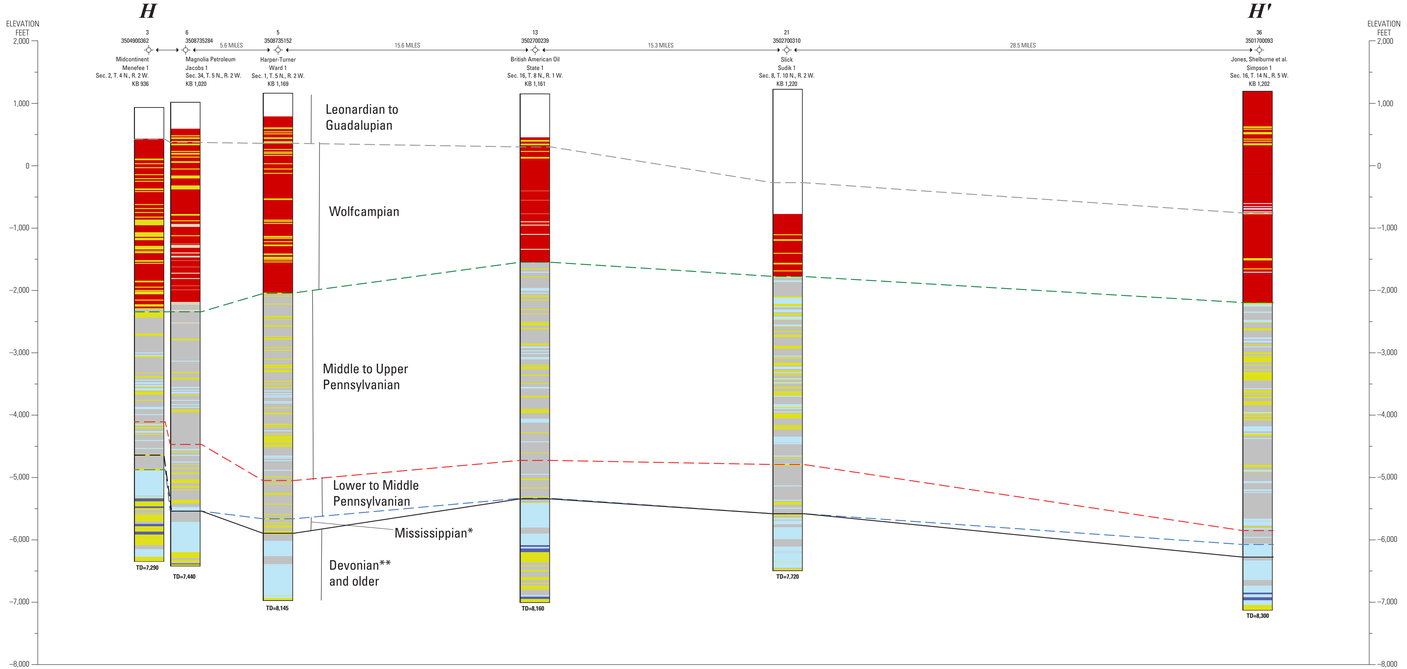


EXPLANATION

Well identifier

36 — Index map number
3501700093 — Well number

Well symbol — Dry hole

Jones, Shelburne et al. — Well owner
Simpson 1 — Well name
Sec. 16, T. 14 N., R. 5 W. — Well location
KB 1,202 — Kelly bushing, in feet

Lithology

- Red bed/red shale
- Sandstone
- Evaporite
- Limestone
- Arkose/granite wash
- Shale
- Dolomite

TD=7,440 — **Total depth, in feet**

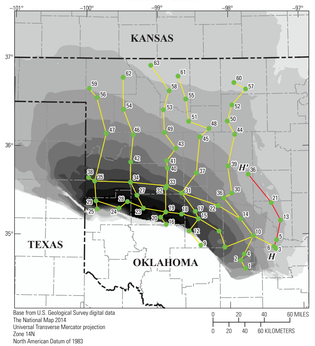
Leonardian to Guadalupian
Wolfcampian
Middle to Upper Pennsylvanian
Lower to Middle Pennsylvanian
Mississippian
Devonian and older

Correlation line—Solid where certainty is high, and dashed where uncertain. Dashed line with queries indicate a higher level of uncertainty for select segment

Note:
* The top of Mississippian is based on the top of the Springer Formation, although the upper part of the Springer Formation is considered to be Pennsylvanian (Morrowan). At this scale, the top of the Springer Formation adequately represents the top of the Mississippian.
** At this scale, the top of Devonian approximately correlates to the top of the Woodford Shale, although the upper part of the Woodford Shale is considered to be Mississippian.

Cross section *H-H′*, extending from Menefee 1 in the south to well Simpson 1 in the east, displays lithology from mud logs, sample logs, and well logs as color-coded bars. Lithologies are compiled in 10-feet increments. The time-stratigraphic labels are based on a basin-scale mapping of relevant formation tops, with minor adjustments to match lithology, and are not intended for detailed correlation work.

Anadarko Basin



Base from U.S. Geological Survey digital data
The National Map 2014
Universal Transverse Mercator projection
Zone 14N
North American Datum of 1983

EXPLANATION

Elevation of the top of Woodford Shale relative to sea level, in feet

- 0
- −2,500
- −5,000
- −7,500
- −10,000
- −12,500
- −15,000
- −17,500
- −20,000
- −22,500
- −25,000
- −27,500

H—H′ **Line of section**

Other line of section

13 **Well and identifier**

Note: Well 8 was not used in the cross sections and has been omitted from this map.

Cross Section *H-H′* Showing Lithology in Oil and Gas Wells, Anadarko Basin, Oklahoma

By
Nicholas J. Gianoutsos, Jaquidon D. Kruger, Philip H. Nelson, and Debra K. Higley

2014

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