Subsurface Geophysical Cross Section of Pennsylvanian-Aged Strata (Upper Cherokee Through Middle Shawnee Groups) in Eastern Kansas Extending from Southeastern Greenwood County, Kansas, to Central Wyandotte County, Kansas

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Datum = top of Hushpuckney Shale Member

Note: See text for further discussion of group boundaries.

CROSS SECTION LEGEND

🟦	Predominantly carbonate interval. Some intervals may include black fissile shales (i.e., highstand shale).
⬜	Intervals in which accommodation is predominantly filled by argillaceous and/or arenaceous shale lithologies. These intervals may include carbonate lenses (e.g., Cherryvale and Chanute Shale formations).
⬛	Coal
★	Indicates an intersect with another cross section.
—	Group and/or subgroup boundary
⊗ ⊙	Postulated transform faults (e.g., Fall River Tectonic Zone)
▤	Argillaceous Shale
▨	Arenaceous Shale
⬚	Sandstone
▩	Black Fissile Shale
▦	Carbonate

Abbreviations:

Fm.	Formation
Mbr.	Member
Ls./ls.	Limestone
Princ. ref.	Principal Reference
Sh./sh.	Shale
Sgp	Subgroup
Ch./Cherry.	Cherryvale Formation
Crk.	Creek
Cty.	City
D.	Dewey Limestone
Elm B.	Elm Branch Shale
Gales.	Galesburg Shale
H.	Hertha Limestone
Hush.	Hushpuckney Shale Member
L.	Linn Subgroup
M. Crk.	Middle Creek Limestone Member
N.B.	Nellie Bly Formation
Wv.	Westerville Limestone Member
Wyan.	Wyandotte Limestone

Modified for publication. Petrophysical cross section originally released in non-peer reviewed open-file report:

Oborny, S. C., and Hasiuk, F., 2022, Lithostratigraphic correlations of the upper Desmoinesian and Missourian stages (Pennsylvanian) in eastern Kansas: Kansas Geological Survey, Open-File Report 2022-2, 9 p., 10 plates.