

Southwest

F

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

Northeast

F'

Stephan C. Oborny, Franek Hasiuk, Anthony L. Layzell, Jon J. Smith

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)

Abbreviations:

Sgp	Subgroup
Crk.	Creek
Dew.	Dewey Limestone
Elm Br.	Elm Branch Shale
Grp.	Group
H.	Hertha Limestone
Isl. Creek	Island Creek Shale Member
Ls.	Limestone
Mem.	Memorial
Mld.	Middle
Platts.	Plattsburg Limestone
Sh.fsh.	shale

Greenwood County

Lyon County

Coffey County

~5.4 miles (~8.7 km)

Cross Section E-E' Intersect
15-073-24163

15-073-24447

15-073-24219

15-073-24228

15-073-24226

15-073-24165

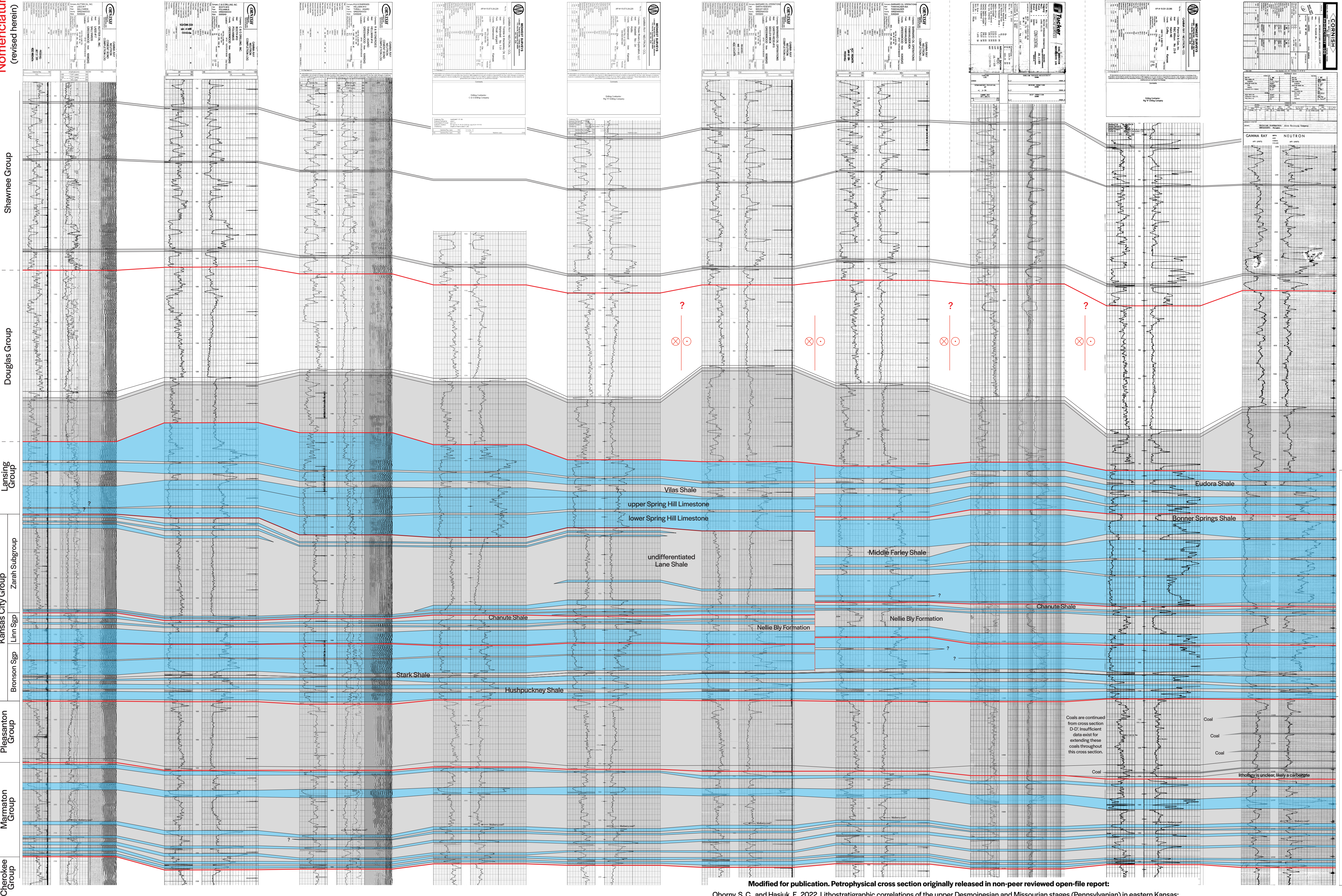
15-073-24198

15-111-20415

15-031-22085

Cross Section D-D' Intersect
15-031-20592
(no scale on log)

Nomenclature
(revised herein)



Larsh

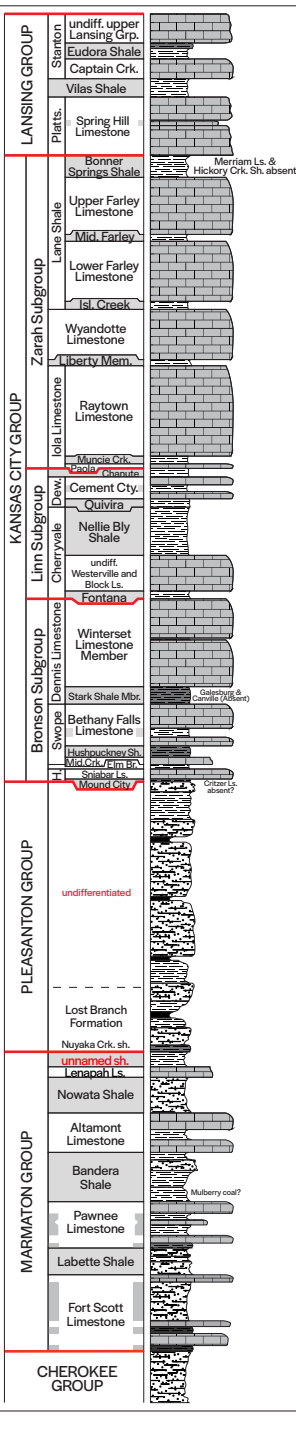
Burrook

Queen Hill

Heebner

- Argillaceous Shale
- Black Fissile Shale
- Arenaceous Shale
- Carbonate
- Sandstone

Generalized Section
see Hasiuk & Wainwright (2000) and
text accompanying cross sections for
new stratigraphic discussion



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.