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

Drs. Obonny, S.C., & Hasiuk, F.J., 2022, Kansas Geological Survey

Datum = top of Hushpuckney Shale Member

Note: See text for further discussion of group boundaries.

Southwest **G**

Northeast **G'**

Nomenclature (revised herein)

Shawnee Group

Douglas Group

Lansing Group

Kansas City Group

Zarah Subgroup

Bronson Subgroup

Pleasanton Group

Marmaton Group

Cherokee Group

Transect E-E' Intersect 15-073-23359 (no scale on log)

15-073-20828 (no scale on log)

15-073-22096 (no scale on log)

Greenwood County

15-073-22946

15-073-19036 (no scale on log)

Woodson County

15-207-28389

15-207-27134

15-207-70855 (no scale on log)

Woodson County

15-207-27517

Coffey County

15-031-20485

15-031-23878

Transect D-D' Intersect 15-031-21729 (no scale on log)

15-031-20212 (no scale on log)

Coffey County

Transect C-C' Intersect 15-031-20304 (no scale on log)

Anderson County

15-003-21650

Franklin County

Transect B-B' Intersect 15-059-22495

15-059-24675

15-059-22548 (no scale on log)

1022115845 (no scale on log)

15-059-22768 (no scale on log)

15-059-24069 (no scale on log)

Transect A-A' Intersect 15-059-24269

Franklin County

15-059-19215 (no scale on log)

Miami County

15-121-26612 (no scale on log)

Johnson County

15-091-23354

15-091-21888 (no scale on log)

15-091-24109

15-091-20522

15-091-20936 (no scale on log)

15-091-19073

Johnson County

15-091-23004

Wyandotte County

15-209-20045 (no scale on log)

Laurh Formation

Queen Hill

Heebner

This is likely Lansdowne but is somewhat shale to limestone

Excello Shale

Vilas Shale

undifferentiated Lane Shale

Galesburg Shale

Stark Shale

Hushpuckney Shale

Mound City Shale

Cabaniss Formation

Cherokee Group

Critzer Limestone

Chanute Shale

Upper Nellie Bly Formation

Lower Nellie Bly Formation

Riverton Shale

Middle Tebo Shale

Bonner Springs Shale

Island Creek Shale

Liberty Memorial Shale

Iatan

Weston

Plattsburg

Stanton

Lansing Group

Kansas City Group

Pleasanton Group

Marmaton Group

Cherokee Group

Missouri

Kansas

Oklahoma

TRANSECT 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 transect.
- Group and/or subgroup boundary
- Postulated transform Faults (e.g., Fall River Tectonic Zone)
- Argillaceous Shale
- Arenaceous Shale
- Sandstone
- Black Fissile Shale
- Carbonate

Abbreviations

Abbr. set	Principal Reference
Bk	Bonner Springs Shale
Ch	Cherryvale Formation
Ck	Critzer Limestone
Dry S.	Dry Branch Shale
Hb	Heebner Shale
Ic	Island Creek Shale
Lib	Liberty Memorial Shale
Lans.	Lansdowne Limestone Member
Ls	Lane Shale
Mc	Mound City Shale
Rb	Riverton Limestone Member
Wvs	Wayside Limestone Member