Subsurface Geophysical Transect of Pennsylvanian-Aged Strata (Upper Cherokee Through Shawnee Groups) in Eastern Kansas Extending from East-Central McPherson County, Kansas, to Central Labette County, Kansas

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

Oread = Top of Plattsburg Shale Member

Note: Do not write further description of the group boundaries.

Northwest

E

Southeast

E′

McPherson County

15-113-21017

Marion County

15-115-20989

15-115-20803

15-115-21485

15-115-21491

15-115-21395

15-115-21388-0000

Marion County

15-115-21495

Butler County

15-015-22115

15-015-22979

Greenwood County

Transect F-F′ Intersect
15-073-24163

15-073-24116

15-073-24629

Transect G-G′ Intersect
15-073-23539

15-073-23539

15-073-24070-0000

Greenwood County

15-073-24074

Elk County

15-049-22510

Wilson County

15-205-27224

15-205-27919

15-205-27228

15-205-25501

15-205-21452

15-205-20231

15-205-26447

15-205-27743

15-205-27770

15-205-26238

Transect H-H′ Intersect
15-205-25501
15-205-25501

Wilson County

15-205-25818

Labette County

15-099-23762

15-099-23832

15-099-24036

15-099-23678

15-099-24219

15-099-23891

15-099-23852

15-099-23999

15-099-24148

15-099-23734

15-099-23683

15-099-23491

~5.0 miles (~8 km)

~0.79 miles apart (1.3 km) separated by NW-SE trending Wilson Fault

Nomenclature

Shawnee Group

Douglas Group

Kansas City Group

Lansing Group

Kansas City Group

Marmaton Group

Pleasanton Group

Missourian

Desmoinesian

Atokan

Morrowan

Upper Pennsylvanian

Middle Pennsylvanian

Lower Pennsylvanian

Mississippian

Pennsylvanian

Pre-Cambrian

Plattsburg Limestone

Oread Limestone

Lawrence Shale

Haskell Limestone

Robbers Cave Sandstone

Stranger Formation

Ft Crab

Upper Stranger Sandstone

Tonkawa Sandstone

Lecompton Limestone

Kanwaka Shale

Deer Creek Limestone

Jackson Park Shale

Jackson Park Limestone

Oskaloosa Shale

Kereford Limestone

Calhoun Shale

Upper Kereford Limestone

Lower Kereford Limestone

Heumader Limestone

Stull Shale

Stull Limestone

Queen Hill Shale

Queen Hill Limestone

Lane Shale

Lane Limestone

Bonner Springs Shale

Bonner Springs Limestone

Weston Shale

Weston Limestone

Lower Weston Shale

Lower Weston Limestone

Farley Limestone

Farley Shale

Farley Limestone

Farley Shale

Farley Limestone

Farley Shale