

Loveland Loess  STAGE  ILLINOIAN  STAGE  STAGE	O Z O I C E R A	Carfile Shale  Fairport Chalk Member  Fairport Chalk Member  Fence-post limestone bed Pleifer Shale Member  Jetmore Chalk Member  Hartland Shale Member  Lincoln Limestone Mbr.  Graneros Shale	RETACEOUS SYSTEM  C E R A	Hutchinson Salt Member  Wellington Formation  Carlton Limestone Member  Hollenberg Limestone Member	Coal property of the Coal prop	Chanute Shale  Noxie Sandstone Mbr.  Noxie Sandstone Mbr.  Drum Limestone  Quivira Shale Mbr.  Westerville Ls. Mbr. Wes Shale Member Block Limestone Mbr. Fontans Shale Mbr.  Winterset Limestone Mbr. Garville Limestone Mbr. Bethany Falls Ls. Mbr. Hushpuckney Shale Mbr. Middle Creek Ls. Mbr. Hushpuckney Shale Mbr. Mound City Shale Mbr. Critzer Limestone Mbr. Sniabar Limestone Mbr. Grizer Limestone Mbr. Hepter Sandstone Mbr. Formation Critzer Limestone Mbr. Holdenville Shale Identro Limestone Mbr. Walter Johnson Ss. Mbr. Norfleet Limestone Mbr. Walter Johnson Ss. Mbr. Nowata Shale Warrand Limestone Mbr. Walter Johnson Ss. Mbr. Altamont Lake Neosho Sh. Mbr. Annoret Limestone Mbr. Annoret Limestone Mbr. Lake Neosho Sh. Mbr. Annoret Limestone Mbr. Lamestone Mbr. Annoret Limestone Mbr. Lamestone Mbr. Annoret Limestone Mbr. Lamestone Mbr. Lake Neosho Sh. Mbr. Altamont Limestone Lamestone Mbr. Annoret Limestone Mbr. Lake Neosho Sh. Mbr. Altamont Limestone Lamestone Mbr. Annoret Limestone Mbr. Lake Neosho Sh. Mbr. Altamont Limestone Lamestone Mbr. Bandera Quarry Ss. Mbr. Bandera Shale Laberdie Ls. Mbr.	Warsaw Limestone  A A A A A A A A A A A A A A A A A A A
Formation	NEOGENE SYSTEM  C E N	Terra Cotta Clay Mbr.  Kiowa Formation  Cheyenne Sandstone  Morrison Formation	SSIC SERIES  SYSTEM  M E S O Z O I	Herington Limestone Member Paddock Shale Member Rinder Limestone Member Odell Shale Cresswell Limestone Member Grant Shale Member Stovall Limestone Member Grant Shale Member Stovall Limestone Member Fort Rilley Limestone Member Okato Shale Member Blue Springs Shale Member Wymore Shale Member Wymore Shale Member Wymore Shale Member Wymore Shale Member Furnation Limestone Member Wymore Shale Member Wymore Shale Member Blue Rapids Shale Threemile Limestone Mftr. Furnation Limestone Blue Rapids Shale Crouse Limestone Bader Limestone Easly Creek Shale Morill Limestone Member Bader Limestone Eiss Limestone Member Fiorena Shale Member Forena Shale Member Eiss Limestone Member Forena Shale Member Forena Shale Member Cottonwood Limestone Mbr. Eskridge Shale	PERMIAN SYSTEM	Mine Creek Shale Mbr.  Myric Station Ls. Mbr. Anna Shale Member  Englevale Ss. Mbr. Limestone  Englevale Ss. Mbr. Limestone  Breezy Hill Ls. Mbr.  Fort Scott Limestone  Breezy Hill Ls. Mbr.  Croweburg coal bed  Mineral coal bed  Mineral coal bed  Mineral coal bed  Chelseas Sandstone Mbr. Tiawah limestone bed Tabbo coal bed  Weir-Pittsburg coal bed  Weir-Pittsburg coal bed  Sewille (?) Ls. Mbr.  Bluejacket Ss. Mbr.  Dry Wood coal bed  Rowe coal bed	Sedalia Formation (Northview Formation)  Choteau Limestone (Compton Limestone)  Boice Shale  Chattanooga Shale  ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?
Pierre Shale  Salt Grass Shale Mbr.  Lake Creek Shale Mbr.	E R A	Big Basin Formation  Day Creek Dolomite  Kiger Shale Member  Relay Creek (?) Dol. Mbr.  Whitehorse Formation  Marlow Sandstone Mbr.  Dog Creek Formation  Haskew Gypsum Mbr. Shimer Gypsum Mbr. Nescatunga Gyp. Mbr.  Medicine Lodge Gyp. Mbr.  Blaine Formation	GUADALUPIAN SERIES	Newa Limestone Member Salem Pont Shale Member Bur Limestone Member Lugion Shale Member Sallyards Limestone Member Red Eagle Limestone Bernett Shale Member Glernock Limestone Morb. Red Eagle Limestone Johnson Shale Long Creek Limestone Mir. Hughes Creek Shale Mbr. Americus Limestone Member West Branch Shale Member Long Shale Member West Branch Shale Member Five Point Limestone Member Onaga Shale Five Point Limestone Member Fore Shale Member Fore Shale Member Applicate Limestone Morb. Fore Shale Member Fore Shale Morb. Graphorae Limestone Morb. Fore Creek Shale Mbr. Fore Shale Member Fore Shale Member Fore Shale Morb. Graphorae Limestone Morb. Fore Creek Shale Mbr. Fore Shale Morb. Fore Creek Shale Mbr. Graphorae Limestone Morb. Fore Creek Shale Mbr. Fore Shale Member Fore Shale Member Fore Limestone Morb. Fore Member Member Dover Limestone Member Dover Limestone Member Fore Member Fire Crancheven Limestone Member Dover Limestone Member Fore Member Fire Member	PALEOZOICERA	ORROWAN STAGE  Warner Sandstone Mpt.  Biverton coal ped  A T	Maquoketa (Sylvan) Shale  Viola (Kimmswick) Limestone  Platteville Formation St. Peter Sandstone  St. Peter Sandstone  ORDOVICIAN SERIES  MIDDLE ORDOVICIAN SERIES  Roubidoux Formation  A  A  A  A  A  B  Cotter Dolomite and Jefferson City Dolomite  A  A  A  A  A  A  B  Roubidoux Formation  Roubidoux Formation  A  A  A  A  A  A  B  Cotter Dolomite and Jefferson City Dolomite  A  A  A  A  A  A  A  A  A  A  A  A  A
Meskan Shale Member  SETACEOUS SET	CRETACEOUS SYSTEM  M E S O Z O I C	Flower-pot Shale  Cedar Hills Sandstone  Cristield Ss. bed  Cristield Ss. bed	E O Z O I C E R A	Ozawkie Limestone Member  Tecumseh Shale  Avoca Limestone Member  King Hill Shale Member  Beil Limestone Member  Queen Hill Shale Mbr.  Big Springs Limestone Mbr.  Doniohan Shale Member	PENNSYLVANIAN SUBSYSTEM CARBONIFEROUS SYSTEM	WISSISSIPPIAN SERIES  WINDLE MISSISSIPPIAN SERIES  WINDLE MISSISSIPPIAN SERIES  WISSISSIPPIAN SUBSYSTEM  CARBONIFEROUS SYSTEM  CARBONIFEROUS SYSTEM	Gasconade Dolomite  Gunter Sandstone Mbr.  Eminence Dolomite  Bonneterre Dolomite  Lamotte (Reagan) Sandstone  Lamotte (Reagan) Sandstone  Neoproterozoic Era  Mesoproterozoic Era  Paleoproterozoic Era  Paleoproterozoic Era  Paleoproterozoic Era
Smoky Hill Chalk Mbr.  Niobrara Chalk  Fort Hays Ls. Mbr.		Chikaskia Sandstone Mbr.  Chikaskia Sandstone Mbr.  Stone Corral Formation  Ninnescah Shale		Plattsmouth Limestone Mbr. Heckner Shale Member Laseverworth Limestone Mbr. Snyderville Shale Mbr. Toronto Limestone Mbr. Snyderville Shale Mbr. Toronto Limestone Mbr. Lawrence Formation  Amazonia Limestone Mbr. Ireland Sandstone Member Robbins Shale Member Westphalia Limestone Mbr. Vinland Shale Member Westphalia Limestone Mbr. Stranger Formation  Stranger Formation  Weston Shale Member Westphalia Limestone Mbr. Stone Limestone Mbr. Stone Limestone Mbr. Stone Limestone Mbr. Stone Limestone Mbr. Plattsburg Limestone Stranger Formation  Willas Shale Westphalia Limestone Mbr. Stone Limestone Mbr. Plattsburg Limestone Westphalia Limestone Mbr. Stone Limestone Mbr. Plattsburg Limestone Westphalia Limestone Mbr. Stone Limestone Mbr. Stone Limestone Mbr. Stone Limestone Mbr. Plattsburg Limestone Wyandotte Limestone Wyandotte Limestone Limestone Limestone Limestone Morrian Limestone Member Limestone		Unconsolidated silt and clay  Sand and gravel, conglomerate, or "mortar beds"  Sandstone or sand  Undifferentiated sandstone or siltstone  Siltstone  Coal or lignite	Opaline sandstone  Dolomite  Limestone  Crossbedded limestone  Shaly dolomite  Shaly dolomite  Shaly dolomite  Gypsum or anhydrite  Shaly limestone  At, please visit ex.html  ed., [1968] 2008, Classification Geological Survey Stratigraphic graphic Succession in Kansas: