

Depth	Stratigraphic Units				Rock Color	Lithology Rock Column	Grainsize Coarse Medium Fine Very Fine Micro Clay Cryptic	Sedimentary Structure	Fossils	Porosity Type	Porosity	Remarks
	Members	Formations	Stage	System								
3700	Heebner Shale		Shawnee	Virgilian								3700 3728 cream-buff sucrosic to fine xln fossiliferous cherty dolomitic lst 3728 Heebner Shale
	Toronto Limestone											3750 Toronto Limestone 3760 3773 cream-buff
3800	Iatan Limestone		Douglas									3810 3830 cream-buff sucrosic to fine xln cherty slightly 3830 3863 cream dense-fine xln cherty lst
			Lansing									3863 3865 black sh 3874 3885 good spotty live oil 3885 3887 gray sh 3903 3905 gray sh 3920 3937 cream-buff slightly cherty oolitic lst sucrosic 3937 3940 dark gray to black
3900		Iola Limestone										
			Iain									3973 3975 black sh 3983 3985 gray sh
4000												4000 4002 dark gray to black
4100		Swope Limestone										4097 4100 dark gray to black 4105 4123 cream-gray sucrosic to fine xln slightly cherty 4123 4125 gray sh
		Hertha Limestone										4140 4143 dark gray to black 4150 4152 gray sh 4160 4162 gray sh 4170 4180 skip 4180 4200 cream-gray dense slightly cherty lst
4200												4200 4202 gray sh 4215 Base KC 4232 Hazmaton
4300		Altamont Limestone										4260 4265 dark gray sh 4287 4290 gray sh 4302 4307 dark gray to black 4333 4338 dark gray to black 4355 4357 black sh
		Pawnee Limestone										
		Fort Scott Limestone										
4400												4395 4397 gray sh 4415 4430 dark gray to black sh w/ streaks buff to brown 4430 4442 buff to brown 4442 4447 dark gray sh 4472 4477 dark gray to black
4500												4502 4519 cream-gray dense-fine xln cherty lst 4519 4523 dark gray to black 4535 4540 dark gray sh 4563 4590 uncolored sh w/ thin beds gray & brown very fine grain tight glassy 4590 4600 brown fine-medium 4600 Mississippian
4600		Kearny										4640 4689 coring & reaming samples only- no core cuts 4689 4780 lst cream dense coarse oolitic slightly sandy lst some flesh pink & light gray smooth sub opaque chert
		Ste. Genevieve Limestone										4780 4880 lst lightographic in part colors range thru cream buff & brown
4700												4880 Salem Limestone
												4970 Warsaw Limestone
4800												5030 Osagian
												5155 5180 light gray sucrosic to coarse xln fossiliferous dolomitic lst chert not quite 5180 Kinderhookian
4900												5250 5306 lst is sucrosic & dolomitic in streaks & both dolomitic & lst tend to become darker in color downward
												5306 5318 calcite or dolo 5318 Viola Limestone
5000												5400 5437 tan buff & light brown fine-medium xln dolo w/ white cream & light gray smooth opaque to subopaque chert Echinoderm stems & stem molds 5440 5445 brown sh 5445 5448 brown sh 5448 5450 brown sh 5450 5452 brown sh 5452 5454 brown sh 5454 5456 brown sh 5456 5458 brown sh 5458 5460 brown sh 5460 5462 brown sh 5462 5464 brown sh 5464 5466 brown sh 5466 5468 brown sh 5468 5470 brown sh 5470 5472 brown sh 5472 5474 brown sh 5474 5476 brown sh 5476 5478 brown sh 5478 5480 brown sh 5480 5482 brown sh 5482 5484 brown sh 5484 5486 brown sh 5486 5488 brown sh 5488 5490 brown sh 5490 5492 brown sh 5492 5494 brown sh 5494 5496 brown sh 5496 5498 brown sh 5498 5500 brown sh
5100												
5200		Gilmore City Limestone										
5300												
		Viola Limestone										
5400												
5500												

**Primary Rock Lithology**

- Shale
- Sand, Sandstone
- Limestone
- Dolomite

**Secondary Rock Lithology**

- Shaly, shale
- Sandy, sand
- Cherty, chert
- Glauconite, Glauconitic
- oolitic
- fossiliferous
- Calcareous
- Dolomitic

**Fossils**

- Fresh Water
- Brackish Water
- Marine
- (b) Few
- (B) Many
- (x) Broken
- Macrofossils
- Echinoderms
- Crinoids
- Foraminifera

**Sedimentary Structure Symbols**

**Deformational Structures**

- Vein, sedimentary dyke

**Porosity Type**

- Intercrystalline
- Vuggy
- Pinpoint
- Oolitic