

Woolfolk 1-32 (15-033-21537) T: 34S R: 19W S: 32
Latitude: 37.04117 Longitude: -99.41332 Elevation (GL): 1776.0 Depth: 6800.0

Depth	Stratigraphic Units						Rock Color	Lithology Rock Column	Grainsize					Fossils Sedimentary Structures	Porosity Type	Remarks
	Members	Formations	Subgroup	Stage	System	Era			Very Fine	Fine	Medium	Coarse	Extra Coarse			
4000																4000 4008 gray sh 4008 4011 gray very 4021 4023 gray very 4032 4042 gray sh
4100																4106 Elgin Sandstone 4133 4194 sh gray sand w trace ls & argillaceous / calc
4200																4194 4202 ls dark gray 4202 4218 sh gray 4218 4224 ls light gray 4230 4235 ls light gray 4240 4243 ls light gray 4253 Heebner Shale 4261 4267 ls gray mln dense 4272 4278 sh gray
4300	Heebner Shale			Shawnee												4296 4302 gray sh
4400	Toronto Limestone			Virgilian												4329 Douglas 4338 4347 sh gray 4347 4352 ls light gray mln /
4500				Lansing												4454 Lansing 4466 4468 sh gray
4600				Upper												4502 4508 dolo light gray fine 4511 4514 sh black 4538 4544 ls white / light 4545 4551 ls light gray dense 4575 4580 ls dark gray 4584 4585 sh red & gray 4592 4594 sh black 4607 4609 sh black 4619 4632 ls light gray dense 4632 4634 sh red & gray 4654 4656 sh red & gray
4700				Missourian												4696 4698 black sh 4704 4718 ls gray mln dense 4718 4727 sh red & gray 4727 4730 ls gray mln dense 4750 4762 ls gray mln dense 4762 4773 ls gray mln dense
4800																4790 4800 ls light gray / 4800 4810 ls light gray / 4810 4824 ls light gray / 4824 4860 sh gray
4900	Stark Shale			Kimms												4860 Stark Shale 4880 4897 ls light gray / white mln / frag & semi chalky 4897 4908 ls gray & white 4908 4917 sh gray to red 4917 4922 sh black 4928 4930 sh gray to red 4939 B-KCTY 4960 4982 ls brown / white dense to chalky 4982 4994 sh green / red 4994 4996 ls white gray dense 5002 5008 sh gray 5014 5040 ls tan / light gray dense to slightly chalky N5
5000																5051 5060 ls white / light 5060 5065 sh gray
5100		Albion Limestone		Marion												5106 5110 sh black 5125 5143 ls white / light gray fine mln to dense to frag 5143 5146 sh black 5160 Cherokee 5171 5176 sh grayish green 5180 5182 gray sh 5192 5203 ls brown light gray 5203 5205 sh dark gray 5218 5220 sh dark gray 5234 5236 ls light gray dense 5244 5256 sh gray 5256 5259 ls gray / tan dense 5267 Mississippian 5278 5282 sh light gray to 5293 5297 ls brown / white
5200		Fort Scott Limestone		Cherokee												5325 5329 ls white lith to 5344 5361 ls white / light gray & tan dense to semi chalky 5361 5370 ls white semi chalky 5370 5374 ls light gray / tan 5386 5397 ls light gray / tan 5397 5410 ls white / light 5410 5434 ls white / light green slight increase white 5434 5460 ls white / light gray mln / frag to semi chalky dense brown edge stain RSE 5460 5463 ls tan / brown dense 5480 5490 ls gray / white semi 5490 5505 ls gray / white semi chalky to dense 5505 5520 ls white semi chalky to dense 5520 5540 ls white to tan & gray dense to semi chalky w/ 5540 5563 ls white / tan mln / frag to semi chalky 5563 5585 ls white / tan mln / frag to semi chalky trace chert white opaque w/ pyrite 5585 5600 ls white mln dense algal texture slightly 5600 5620 ls white frag / coarse mln to semi chalky rare 5620 5645 ls light gray / white fossiliferous w/ cemented 5645 5720 ls white dense frag algal
5300																5720 5756 ls white / light gray algal 5756 5764 dolo light gray fine 5764 5795 ls white / light gray dense to gray mottled frag algal 1 pos tiny pyrite barren glauconitic 5795 5825 ls white / light gray dense to gray mottled frag algal trace chert gray mottled 5825 5857 ls white dense semi chalky slightly fossiliferous 5867 5910 sh dark gray to green & red 5910 5923 sh dark gray to 5923 5928 sh dark gray to 5934 5940 sh dark gray to 5964 5980 dolo gray fine mln soft 5980 5998 gray fine mln argillaceous dolo 5998 6006 ls white frag / 6006 6020 dolo green 6020 6055 dolo green very argillaceous 6055 6070 dolo light green fine mln / dense w/ pyrite 6070 6078 dolo light green 6078 6116 ls gray mottled frag / dense 1 pos chert white vitreous app light brown edge stain no cut 6116 6128 dolo gray dense 6128 6136 ls gray mottled frag 6136 6144 dolo light gray to 6146 6202 dolo light gray to dark gray fine mln
5400																6202 6234 sh gray trace pyrite 6234 Viola Limestone 6247 6249 sh black 6280 6295 dolo light gray / white fine mln to semi chalky 6295 6325 dolo light gray / white fine mln to semi chalky to dense 6325 6330 dolo gray mottled 6350 6380 ls tan / brown to gray mottled frag trace semi chalky w/ specks brown stain line dolo fine mln fine 6380 6400 ls & dolo tan / brown to gray mottled w/ bright 6400 6404 ls tan / brown dense 6410 6424 ls white dense 6424 6440 ls tan / brown & white trace hard black pyrite 6440 6452 ls buff / light gray 6452 6478 dolo brown to tan & white dense / fine sucrosic w/ some scattered chert brown 6478 Simpson Sh 6486 Simpson dolo 6507 Simpson SS 6523 6526 sh turquoise green 6540 6557 dolo tan / brown & white dense / fine-medium mln 6557 Simpson Shale 6590 6612 sh green grayish green - gray turquoise 6612 6620 sh green grayish 6620 Ribuckle 6645 6651 dolo white / tan - 6651 6670 dolo brown dense to 6670 6695 dolo brown dense to fine-medium mln & sucrosic several pos int part porosity 6695 6720 dolo tan / white mln to semi chalky 6720 6740 dolo tan / light gray dense 6740 6760 dolo tan / light gray dense trace gray opaque 6760 6770 dolo tan / light 6770 6790 dolo white dense brittle 6790 6800 Dolo tan / white
5500																
5600																
5700																
5800																
5900																
6000																
6100																
6200																
6300		Viola Limestone														
6400																
6500	Simpson Sh Simpson Dolo															
6600	Simpson SS															
6700	Simpson Shale															
6800																

Primary Rock Lithology

Secondary Rock Lithology

Fossils

Fossils

Sedimentary Structure Symbols

Porosity Type