Pusey 1 (15-077-30112) T: 31S R: 6W S: 17
Latitude: 37.1687616 Longitude: -97.9908998 Elevation (GL): 1298.0 Depth: 5050.0

Depth	Stratigraphic Units: Members	Formations	Group	Subgroup	Series	System	Era	Rock Color	Lithology: Rock Column	Fossils	Porosity Type	Porosity %	Remarks
1300													1300 1317 white & gray anhydrite 1317 1320 varicolored sh
													1342 1355 varicolored 1355 1370 buff to brown sucrosic to fine sln cherty 1370 1393 varicolored
1400													1393 1435 gray-buff sucrosic to fine sln fossiliferous cherty highly dolomitic lst
													1435 1439 reddish brown sh 1448 1450 anhydrite 1450 Fort Riley Limestone
1500	Fort Riley Limestone		Chase	Wolfcampian	Permian								1475 1560 gray-buff sucrosic to fine sln fossiliferous dolomitic lst
	Florence Limestone												1560 Florence Limestone
1600													1595 1600 varicolored sh 1615 1625 varicolored sh 1625 1635 gray-buff dense-fine
													1660 1670 varicolored sh 1670 1690 gray-buff dense-fine sln profusely cherty lst
1700													1690 1693 varicolored sh
													1712 1733 varicolored limy sh
													1733 1742 white gray & buff 1742 1752 varicolored sh 1752 1760 varicolored sh 1760 1766 white gray & buff 1766 1790 white gray & buff dense-fine sln fossiliferous
1800													1790 1800 varicolored sh
													1820 1822 varicolored sh 1828 1832 varicolored sh 1832 1838 varicolored sh 1838 1860 varicolored sh
													1860 1890 cream-gray dense-fine sln fossiliferous lst
1900													1890 1892 gray sh 1892 1901 cream-gray dense lst 1901 1930 cream-gray sucrosic dolomitic lst scattered 1930 1955 cream-buff dense-fine sln lst
													1955 1960 varicolored sh 1965 1970 varicolored sh
2000													1980 1982 varicolored sh 1988 1990 varicolored sh 1997 2010 varicolored sh
													2010 2032 cream-buff dense-fine sln lst 2030 2042 gray dense lst 2042 2045 gray sh 2045 2052 varicolored sh 2052 2092 cream-buff dense-fine fossiliferous
2100													2092 2095 shale 2095 2098 shale 2112 2118 shale 2125 2130 shale
													2158 2202 varicolored sandy slightly limy micaceous sh
2200													2202 2212 gray-buff dense-fine 2212 2218 gray sh 2222 2235 cream-buff 2235 2247 varicolored sh 2247 2255 cream-buff 2255 2297 varicolored slightly sandy micaceous sh
2300													2297 2302 gray-buff fine sln 2307 2332 cream-tan & buff dense-fine sln fossiliferous lst 2332 2334 gray sh 2340 2342 gray dense lst
													2370 2372 gray sh
2400													2402 2443 cream-buff dense-fine sln fossiliferous lst
													2443 2455 varicolored sandy limy micaceous sh
2500													2455 2513 cream-buff dense-fine sln fossiliferous lst 2513 2525 varicolored sh 2525 2545 gray dense-fine sln lst 2545 2550 varicolored sh
2600													2575 2600 gray sandy micaceous sh 2600 2608 gray dense-fine sln 2608 2620 gray sh 2620 2637 varicolored limy sh 2637 2695 gray dense-fine sln fossiliferous lst
2700													2695 2812 varicolored sandy micaceous sh
2800													2812 2825 light gray-buff 2825 2840 varicolored sandy micaceous sh 2840 2897 white gray & buff dense-fine sln fossiliferous lst
2900													2897 2930 light gray dense-fine sln broken shaly lst 2930 2940 light gray 2940 2945 varicolored sh 2955 2957 dark gray to black 2965 2982 gray silty micaceous sh
3000													2982 2987 cream-buff
3100													3015 3150 medium gray to dark gray sandy micaceous sh
3200	Hushpuckney Shale		Shawnee		Virgilian	Pennsylvanian	Paleozoic						3158 3170 gray-buff dense-fine 3170 3175 black sh 3175 3185 buff to brown dense lst 3187 3190 buff to brown dense
	Toronto Limestone												3202 Toronto Limestone 3222 3263 varicolored sandy limy sh
3300													3263 3300 light gray to gray buff dense-fine sln fossiliferous lst 3300 3557 varicolored sandy micaceous sh
3400													
3500													
3600	Stanton Sandstone		Douglas		Upper								3562 3566 dark gray sh 3624 3635 varicolored sandy 3635 3797 varicolored sandy micaceous sh
3700													
3800					Missourian Kansas City		Carboniferous						3797 3807 dark gray to black 3807 Kansas City 3815 3832 dark gray sh 3832 3835 dark gray sh
3900													3880 3935 light gray dense-fine sln fossiliferous cherty lst contains a sucrosic in part 3935 3955 gray-buff dense-fine sln lst
													3955 3960 black sh
4000													3975 4000 gray-buff dense-fine sln lst with varicolored sandy micaceous sh slightly stained pinpoint 4000 4005 black & gray sh 4005 4010 black & gray sh
													4028 base KC 4043 4048 black sh 4048 4060 dark gray limy micaceous sh 4060 4082 gray buff dense fine
4100													4082 4107 varicolored silty micaceous sh 4120 4135 gray sucrosic to fine sln lst cherty 4135 4155 black sh 4155 4175 gray sh 4157 4175 cream-buff dense-fine lst oolitic & oocastic in part
4200													4175 4178 dark gray sh 4186 4190 dark gray sh 4200 4222 gray-buff dense-fine sln lst
													4222 4235 black sh 4235 4243 black sh 4243 4252 gray buff dense-fine 4252 4265 gray buff dense-fine 4265 4270 gray sh
4300													4277 4280 gray sh 4288 4292 gray sh 4307 4311 varicolored slightly 4322 4325 gray buff & brown 4333 4335 gray buff & brown
													4355 4358 gray buff & brown 4371 4375 gray buff & brown 4380 4385 gray buff & brown 4392 4395 gray buff & brown
4400													4460 Mississippian 4420 4465 light gray to buff dense-fine sln fossiliferous lst more or less slightly dolomitic
4500													4465 4505 light gray to buff dense-fine sln more or less cherty fossiliferous lst
													4505 4741 light gray to gray buff dense-fine sln lst dolomitic lst with gray dove gray & some light brown opaque fine-grained cherts fossiliferous chert more or less abundant
4600													
4700													
					Lower Kinderhookian								4741 4747 gray-buff dense lst
4800		Chattanooga Shale					Devonian						4785 4825 greenish gray silty platy micaceous sh 4825 Chattanooga Shale
													4854 Simpson
4900				Simpson	Middle		Ordovician						4910 4984 green sub waxy sandy sh
5000					Lower Arbuckle								4984 5002 white & gray fine to coarse grain sub angular to sub round Arbuckle 5002 5050 gray buff & light brown sucrosic to medium sln

Primary Rock Lithology

- Shale
- Sand, Sandstone
- Chert
- Limestone
- Dolomite
- Anhydrite
- Quartzite

Secondary Rock Lithology

- Shaly, shale
- Silty, Silt
- Micaceous
- Sandy, sand
- Cherty, chert
- oolitic
- fossiliferous
- Calcareous
- Dolomitic
- Phosphate, Phosphatic
- Anhydritic, anhydrite

Fossils

- Fresh Water
- Brackish Water
- Marine
- Fish
- Many
- Broken
- Macrofossils
- Larger Foraminifera, or fusulinids
- Pollen and (or) spores

Porosity Type

- Vuggy
- Pinpoint