

VOGT 1 (15-113-00437) T: 21S R: 2W S: 14
Latitude: 38.2257122 Longitude: -97.5106707 Elevation (KB): 1499.0 Depth: 3559.0

Depth	Stratigraphic Units							Rock	Lithology	Grainsize				Results	Porosity Type	Porosity	Remarks
	Members	Formations	Subgroup	Stage	Subsystem	System	Era	Color	Rock Column	Very Fine	Fine	Medium	Coarse	Extra Coarse			
2000																	2000 2010 buff fossiliferous 2010 2020 gray sh 2020 2022 black sh
	Heebner Shale			Shawnee													2048 Heebner Shale 2060 2063 gray very dense lst 2072 2076 buff lithographic
2100																	2120 2143 dark gray & grayish green platy sh 2143 2180 gray-grayish brown medium fine grain sst porous (good porosity) 2180 2222 brown-pink medium fine grain sst porous (good porosity)
2200																	2222 2226 dirty gray 2230 2240 gray micaceous 2240 2252 dark gray platy sh 2252 Lansing 2260 2262 light buff dense 2268 2273 light buff dense 2278 2280 light buff flaky lst
2300	Lansing Lime			Lansing	Mississippian												2300 2305 grayish green 2310 2320 buff oolitic & 2320 2340 light gray buff & white fine xln dense lst chalky 2340 2350 gray-buff lst 2350 2353 black sh 2370 2375 buff & gray fine xln 2388 2390 black sh 2398 2400 black sh 2410 2415 buff & gray fine xln 2418 2423 buff & gray fine xln 2440 2450 buff soft flaky to 2450 2480 buff gray & light brown fine xln very dense lst 2480 2495 gray fine xln very dense lst flaky streaks 2495 2501 buff very oolastic
2400																	2517 2522 gray grayish green 2530 2535 buff & gray dense & 2545 2546 thin red gray & 2555 2556 thin red gray & 2567 2571 red gray grayish 2580 2595 buff & gray fine xln dense lst flaky streaks 2595 2596 black sh 2615 2620 red gray grayish 2630 2640 buff flaky to chalky 2640 2662 buff & gray fine xln very dense lst flaky streaks cherty 2662 2670 grayish green flaky 2670 2674 black sh 2680 2681 brown poor oolitic & 2695 2700 dirty gray flaky 2704 2713 dark gray & black sh 2720 2725 buff dense & flaky 2730 2736 dark gray & black sh 2743 2755 buff & gray dense 2755 2760 buff flaky lst 2767 2775 buff gray & brown 2775 2776 black sh 2790 2796 interbedded gray 2808 2814 gray grayish green & 2830 2840 buff-light brown 2840 2848 gray grayish green & 2848 2851 buff-light brown 2858 2863 gray grayish green & 2872 2884 buff gray & light 2884 2893 gray grayish green & 2893 2898 buff dense lst 2904 2905 lst stringer 2913 2914 lst stringer 2921 2930 red gray grayish 2944 2956 drab gray green sh 2956 Penn. Basal Congl 2966 Mississippian 2976 2984 buff-white medium 2984 3000 buff-white medium xln to flaky cherty lst 3000 3022 white soft chalky very siliceous lst simultaneous Carbonate-Silicate deposition 3022 3038 buff-white medium xln to chalky lst very oolitic 3038 3040 buff sucrosic dolo & 3050 3052 buff sucrosic dolo & 3060 3065 gray grayish green & 3080 3088 buff flaky lst 3088 3092 dark gray to black 3105 3134 buff medium xln to flaky lst white-bluish gray chert 3134 Kinderhookian 3156 Gilmore City Limestone 3170 3195 dirty buff & gray medium xln to flaky lst
2500																	2800 2808 buff oolitic & 2808 2814 gray grayish green & 2830 2840 buff-light brown 2840 2848 gray grayish green & 2848 2851 buff-light brown 2858 2863 gray grayish green & 2872 2884 buff gray & light 2884 2893 gray grayish green & 2893 2898 buff dense lst 2904 2905 lst stringer 2913 2914 lst stringer 2921 2930 red gray grayish 2944 2956 drab gray green sh 2956 Penn. Basal Congl 2966 Mississippian 2976 2984 buff-white medium 2984 3000 buff-white medium xln to flaky cherty lst 3000 3022 white soft chalky very siliceous lst simultaneous Carbonate-Silicate deposition 3022 3038 buff-white medium xln to chalky lst very oolitic 3038 3040 buff sucrosic dolo & 3050 3052 buff sucrosic dolo & 3060 3065 gray grayish green & 3080 3088 buff flaky lst 3088 3092 dark gray to black 3105 3134 buff medium xln to flaky lst white-bluish gray chert 3134 Kinderhookian 3156 Gilmore City Limestone 3170 3195 dirty buff & gray medium xln to flaky lst
2600																	2800 2808 buff oolitic & 2808 2814 gray grayish green & 2830 2840 buff-light brown 2840 2848 gray grayish green & 2848 2851 buff-light brown 2858 2863 gray grayish green & 2872 2884 buff gray & light 2884 2893 gray grayish green & 2893 2898 buff dense lst 2904 2905 lst stringer 2913 2914 lst stringer 2921 2930 red gray grayish 2944 2956 drab gray green sh 2956 Penn. Basal Congl 2966 Mississippian 2976 2984 buff-white medium 2984 3000 buff-white medium xln to flaky cherty lst 3000 3022 white soft chalky very siliceous lst simultaneous Carbonate-Silicate deposition 3022 3038 buff-white medium xln to chalky lst very oolitic 3038 3040 buff sucrosic dolo & 3050 3052 buff sucrosic dolo & 3060 3065 gray grayish green & 3080 3088 buff flaky lst 3088 3092 dark gray to black 3105 3134 buff medium xln to flaky lst white-bluish gray chert 3134 Kinderhookian 3156 Gilmore City Limestone 3170 3195 dirty buff & gray medium xln to flaky lst
2700																	2800 2808 buff oolitic & 2808 2814 gray grayish green & 2830 2840 buff-light brown 2840 2848 gray grayish green & 2848 2851 buff-light brown 2858 2863 gray grayish green & 2872 2884 buff gray & light 2884 2893 gray grayish green & 2893 2898 buff dense lst 2904 2905 lst stringer 2913 2914 lst stringer 2921 2930 red gray grayish 2944 2956 drab gray green sh 2956 Penn. Basal Congl 2966 Mississippian 2976 2984 buff-white medium 2984 3000 buff-white medium xln to flaky cherty lst 3000 3022 white soft chalky very siliceous lst simultaneous Carbonate-Silicate deposition 3022 3038 buff-white medium xln to chalky lst very oolitic 3038 3040 buff sucrosic dolo & 3050 3052 buff sucrosic dolo & 3060 3065 gray grayish green & 3080 3088 buff flaky lst 3088 3092 dark gray to black 3105 3134 buff medium xln to flaky lst white-bluish gray chert 3134 Kinderhookian 3156 Gilmore City Limestone 3170 3195 dirty buff & gray medium xln to flaky lst
2800																	2800 2808 buff oolitic & 2808 2814 gray grayish green & 2830 2840 buff-light brown 2840 2848 gray grayish green & 2848 2851 buff-light brown 2858 2863 gray grayish green & 2872 2884 buff gray & light 2884 2893 gray grayish green & 2893 2898 buff dense lst 2904 2905 lst stringer 2913 2914 lst stringer 2921 2930 red gray grayish 2944 2956 drab gray green sh 2956 Penn. Basal Congl 2966 Mississippian 2976 2984 buff-white medium 2984 3000 buff-white medium xln to flaky cherty lst 3000 3022 white soft chalky very siliceous lst simultaneous Carbonate-Silicate deposition 3022 3038 buff-white medium xln to chalky lst very oolitic 3038 3040 buff sucrosic dolo & 3050 3052 buff sucrosic dolo & 3060 3065 gray grayish green & 3080 3088 buff flaky lst 3088 3092 dark gray to black 3105 3134 buff medium xln to flaky lst white-bluish gray chert 3134 Kinderhookian 3156 Gilmore City Limestone 3170 3195 dirty buff & gray medium xln to flaky lst
2900																	2800 2808 buff oolitic & 2808 2814 gray grayish green & 2830 2840 buff-light brown 2840 2848 gray grayish green & 2848 2851 buff-light brown 2858 2863 gray grayish green & 2872 2884 buff gray & light 2884 2893 gray grayish green & 2893 2898 buff dense lst 2904 2905 lst stringer 2913 2914 lst stringer 2921 2930 red gray grayish 2944 2956 drab gray green sh 2956 Penn. Basal Congl 2966 Mississippian 2976 2984 buff-white medium 2984 3000 buff-white medium xln to flaky cherty lst 3000 3022 white soft chalky very siliceous lst simultaneous Carbonate-Silicate deposition 3022 3038 buff-white medium xln to chalky lst very oolitic 3038 3040 buff sucrosic dolo & 3050 3052 buff sucrosic dolo & 3060 3065 gray grayish green & 3080 3088 buff flaky lst 3088 3092 dark gray to black 3105 3134 buff medium xln to flaky lst white-bluish gray chert 3134 Kinderhookian 3156 Gilmore City Limestone 3170 3195 dirty buff & gray medium xln to flaky lst
3000	Penn. Basal Congl																2800 2808 buff oolitic & 2808 2814 gray grayish green & 2830 2840 buff-light brown 2840 2848 gray grayish green & 2848 2851 buff-light brown 2858 2863 gray grayish green & 2872 2884 buff gray & light 2884 2893 gray grayish green & 2893 2898 buff dense lst 2904 2905 lst stringer 2913 2914 lst stringer 2921 2930 red gray grayish 2944 2956 drab gray green sh 2956 Penn. Basal Congl 2966 Mississippian 2976 2984 buff-white medium 2984 3000 buff-white medium xln to flaky cherty lst 3000 3022 white soft chalky very siliceous lst simultaneous Carbonate-Silicate deposition 3022 3038 buff-white medium xln to chalky lst very oolitic 3038 3040 buff sucrosic dolo & 3050 3052 buff sucrosic dolo & 3060 3065 gray grayish green & 3080 3088 buff flaky lst 3088 3092 dark gray to black 3105 3134 buff medium xln to flaky lst white-bluish gray chert 3134 Kinderhookian 3156 Gilmore City Limestone 3170 3195 dirty buff & gray medium xln to flaky lst
3100																	2800 2808 buff oolitic & 2808 2814 gray grayish green & 2830 2840 buff-light brown 2840 2848 gray grayish green & 2848 2851 buff-light brown 2858 2863 gray grayish green & 2872 2884 buff gray & light 2884 2893 gray grayish green & 2893 2898 buff dense lst 2904 2905 lst stringer 2913 2914 lst stringer 2921 2930 red gray grayish 2944 2956 drab gray green sh 2956 Penn. Basal Congl 2966 Mississippian 2976 2984 buff-white medium 2984 3000 buff-white medium xln to flaky cherty lst 3000 3022 white soft chalky very siliceous lst simultaneous Carbonate-Silicate deposition 3022 3038 buff-white medium xln to chalky lst very oolitic 3038 3040 buff sucrosic dolo & 3050 3052 buff sucrosic dolo & 3060 3065 gray grayish green & 3080 3088 buff flaky lst 3088 3092 dark gray to black 3105 3134 buff medium xln to flaky lst white-bluish gray chert 3134 Kinderhookian 3156 Gilmore City Limestone 3170 3195 dirty buff & gray medium xln to flaky lst
3200		Gilmore City Limestone															2800 2808 buff oolitic & 2808 2814 gray grayish green & 2830 2840 buff-light brown 2840 2848 gray grayish green & 2848 2851 buff-light brown 2858 2863 gray grayish green & 2872 2884 buff gray & light 2884 2893 gray grayish green & 2893 2898 buff dense lst 2904 2905 lst stringer 2913 2914 lst stringer 2921 2930 red gray grayish 2944 2956 drab gray green sh 2956 Penn. Basal Congl 2966 Mississippian 2976 2984 buff-white medium 2984 3000 buff-white medium xln to flaky cherty lst 3000 3022 white soft chalky very siliceous lst simultaneous Carbonate-Silicate deposition 3022 3038 buff-white medium xln to chalky lst very oolitic 3038 3040 buff sucrosic dolo & 3050 3052 buff sucrosic dolo & 3060 3065 gray grayish green & 3080 3088 buff flaky lst 3088 3092 dark gray to black 3105 3134 buff medium xln to flaky lst white-bluish gray chert 3134 Kinderhookian 3156 Gilmore City Limestone 3170 3195 dirty buff & gray medium xln to flaky lst
3300		Sedalia Dolomite															2800 2808 buff oolitic & 2808 2814 gray grayish green & 2830 2840 buff-light brown 2840 2848 gray grayish green & 2848 2851 buff-light brown 2858 2863 gray grayish green & 2872 2884 buff gray & light 2884 2893 gray grayish green & 2893 2898 buff dense lst 2904 2905 lst stringer 2913 2914 lst stringer 2921 2930 red gray grayish 2944 2956 drab gray green sh 2956 Penn. Basal Congl 2966 Mississippian 2976 2984 buff-white medium 2984 3000 buff-white medium xln to flaky cherty lst 3000 3022 white soft chalky very siliceous lst simultaneous Carbonate-Silicate deposition 3022 3038 buff-white medium xln to chalky lst very oolitic 3038 3040 buff sucrosic dolo & 3050 3052 buff sucrosic dolo & 3060 3065 gray grayish