5. Calhoun Shale T: 10S R: 17E S: 27
Latitude: 39.150986 Longitude: -95.505222 Elevation (GL): 988.0 Depth: 57.0

Depth	Members	Formations	Subgroup	Group	Stage	Series	Subsystem	System	Era	Rock Color	Lithology Rock Column	Sedimentary Structures	Fossils	Remarks
0	Hartford Limestone	Topeka Limestone						Pennsylvanian	Paleozoic					Limestone (deeply weathered) moderate-yellowish-brown very finely crystalline hard abundant fusulinids crinoid columnals and brachiopods ledge poorly exposed | 4.7
5		Calhoun Shale												Sandstone light-olive-gray very fine grained platy to very thin bedded sandy siltstone partings partly covered | 9.8
10														
15														Siltstone light-olive-gray sandy grades upward into sandstone | 5.0
20														Sandstone calcareous
25														Siltstone olive-gray sandy | 1.4 Siltstone light-olive-gray sandy capped by calcareous concretionary sandstone bed 0.1 ft thick that weathers yellowish orange | 2.4 Sandstone light-olive-gray Siltstone light-olive-gray upper part more sandy | 2.4
30														Sandstone very fine grained Sandstone light-olive-gray very fine grained laminated to platy micaceous weathers to hard light-olive-gray finely crossbedded layers some ripple-marked layers interbedded with light-olive-gray sandy siltstone unit capped by layer of calcareous sandstone concretions as much as 0.15 ft
35														Siltstone olive-gray clayey to sandy in upper part weathers light olive gray to light olive brown upper contact gradational | 3.3
40														Claystone olive-gray silty platy to very thin bedded weathers to light-olive-gray blocky to pencil-like fragments upper contact gradational | 3.2
45														Sandstone olive-gray calcareous micaceous fossiliferous weathers light olive gray moderate-yellowish-brown iron Siltstone light-olive-gray slightly clayey platy weathers Siltstone light-olive-gray to Claystone light-olive-gray to light-olive-brown silty basal contact sharp slightly irregular upper contact
50	Ervine Creek Limestone	Deer Creek Limestone												Limestone olive-gray silty Limestone olive-gray very finely crystalline silty very fossiliferous weathers to moderate-yellowish-brown porous Limestone light-olive-gray very finely crystalline hard compact fossiliferous weathers to light-olive-gray to moderate-yellowish-brown thin to medium wavy beds some layers very silty a few siliceous hackly layers about 2 ft below top base not exposed | 7.9 USGS fossil loc. 19446-PC (f12983). From entire member.
55														

Primary Rock Lithology

- Clay, Claystone
- Silt, Siltstone
- Sand, Sandstone
- Limestone

Secondary Rock Lithology

- Clayey, Argillaceous, clay
- Silty, Silt
- Micaceous
- Sandy, sand
- Carbonaceous, Carbonized
- fossiliferous
- Calcareous

Fossils

- Fresh Water
- Brackish Water
- Marine
- Few
- Many
- Broken
- – Macrofossils
- – Brachiopods
- – Crinoids
- – Echinoids
- – Gastropods
- – Pelecypods
- – Larger Foraminifera, or fusulin

Sedimentary Structure Symbols

Depositional Structures

- Bedding Base
- Abrupt or sharp, planar base of bed
- Ripples
- Planar, Horizontal ripples
- Lamination
- Parallel Laminations
- Stratification
- Horizontal bedding
- Normal grading/fining upward

Deformational Structures

- Concretions, nodules, geodes in general
- Calcareous concretions