

Depth	Stratigraphic Units						Rock Color	Lithology Rock Column	Sedimentary Structures	Fossils	Remarks
	Members	Formations	Subgroup	Group	Stage	System					
20	Sniabar Limestone	Hertha Limestone									Limestone undifferentiated 6.1 m 20.3
40	Mound City Shale										Shale gray undifferentiated with calcareous beds 13.4 m 44.6
60											
80	Guthrie Mountain Shale	Shale Hill									Shale black phosphatic 0.2 m
100	Critzer Limestone Mantey Shale Exline Limestone	Hepler									Wackestone to mudstone (Shale dark-gray silty 0.6 m Wackestone to mudstone (Claystone (Mudstone) Siltstone gray argillaceous Sandstone gray micaceous locally rippled with thin silty shaly interbeds and scattered plant fragments 4.8m 16
120											Siltstone argillaceous with thin beds of micaceous sandstone especially just above base 11.1m 37.0 Lost Branch
140											
160		Lost Branch									Shale gray silty 2.1m 6.9
180		Memorial Shale									Shale gray with scattered silty laminae and plant fragments and some of fossil fragments at base 2.2 m 7.4
200	Idembo Limestone Perry Farm Shale	Lenapah Limestone									Siltstone argillaceous with Siltstone gray argillaceous with very fine sandstone laminae and lenses and tan nodules 5.0 m 16.7
220	Norfleet Limestone Worland Limestone	Nowata Shale Altamont Limestone									Shale gray 1.4 m 4.8 Wackestone (Calcarenite) Mudstone (Calcilutite) skeletal with calcarenite bed at top 4.1 m 13.7
	Lake Neosho Shale Amoret Limestone										Shale black phosphatic grades

Primary Rock Lithology

- Clay, Claystone
- Shale
- Silt, Siltstone
- Sand, Sandstone
- Limestone
- Mudstone
- Wackestone

Secondary Rock Lithology

- Clayey, Argillaceous, clay
- Shaly, shale
- Silty, Silt
- Micaceous
- Sandy, sand
- Calcareous
- Phosphate, Phosphatic

Fossils

- Fresh Water
- Brackish Water
- Marine
- Few
- Many
- Broken
- Macrofossils
- Brachiopods
- Corals
- Crinoids
- Plants

Sedimentary Structure Symbols

Depositional Structures

- Bedding Base
- Abrupt or sharp, planar base of bed - Stratification
- Normal grading/fining upward

Deformational Structures

- Nodules
- Nodules - Carbonates