




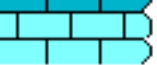
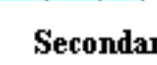


Stop A4 T: 11S R: 24E S: 12






Latitude: 39.1094 Longitude: -94.6956 Elevation (GL): 886.0 Depth: 45.0

Depth	Stratigraphic Units						Rock Color	Lithology Rock Column	Sedimentary Structures	Fossils	Remarks
	Members	Formations	Subgroup	Group	Stage	System					
0		Liberty Memorial Shale									2.8   Gray shale
5	Raytown Limestone	Iola Limestone		Zarah							5.6   Skeletal Wackestone
10	Muncie Creek Shale										0.3   Shale 0.3   Gray shale
	Paola Limestone										0.4   Gray Shale 0.9   Skeletal Packstone Lynn
		Chanute Shale									1.25   Shaly Sandstone
15											8.1   Gray shale Cement City Limestone Wackestone
20	Cement City Limestone	Dewey Limestone		Lynn	Missourian	Carboniferous					1.2   Wackestone 0.5   Skeletal Wackestone 3.0   Wackestone
25					Upper Pennsylvanian	Palaeozoic					0.5   Skeletal Wackestone 0.5   Fossiliferous Shale 1.5   Wackestone
30	Quivira Shale										1.0   Skeletal Wackestone Forams: encrusting uniserial 1.0   Wackestone
35	Westerville Limestone	Liberty Shale									0.2   Skeletal Wackestone 0.5   Dark Gray shale 1.25   Gray shale Brachiopods: Orbiculoidea crurithyris Composita productids chonetids 1.0   Black Shale P04 abundant conodonts: Idiognathodus 1.0   Gray Shale Brachiopods: Lingula Composita Crurithyris 0.15   Gray Shale Brachiopods: 0.1   Thin Gray claystone
40											2.2   Laminated Calcilutite wackestone 3.75   Skeletal ooid grainstone
45											1.25   Skeletal algal wackestone

**Primary Rock Lithology**

-  Clay, Claystone
-  Shale
-  Sand, Sandstone
-  Limestone
-  Wackestone
-  Packstone
-  Grainstone

**Secondary Rock Lithology**


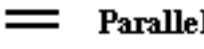
-  Shaly, shale
-  Anthracitic
-  fossiliferous
-  Calcareous
-  Phosphate, Phosphatic

**Fossils**

-  Fresh Water
-  Brackish Water
-  Marine
-  Few
-  Many
-  Broken
-  Macrofossils
-  Brachiopods
-  Bryozoans
-  Crinoids
-  Echinoids
-  Gastropods
-  Pelecypods
-  Sponges
-  Fish
-  Conodonts
-  Foraminifera
-  Larger Foraminifera, or fusulin
-  Ostracodes
-  Spicules

**Sedimentary Structure Symbols**

**Depositional Structures**

-  Lamination
-  Parallel Laminations