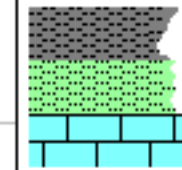


12. Emporia Limestone T: 9S R: 16E S: 19

Latitude: 39.25264 Longitude: -95.672787 Elevation (GL): 1024.0 Depth: 31.0

Depth	Stratigraphic Units						Rock Color	Lithology Rock Column	Sedimentary Structures	Fossils	Remarks
	Members	Formations	Subgroup	Group	Stage	System					
0	Elmont Limestone	Emporia Limestone									Limestone light-olive-gray very fine grained hard compact
											Limestone medium-gray very fine grained thin-bedded hard compact weathers light brownish
											Limestone light-olive-gray very finely crystalline argillaceous weathers to small
											Limestone medium-gray very
5	Harveyville Shale										Claystone light-olive-gray silty weathers to light-olive-gray blocky to subconchoidal fragments scattered irregular oval nodules 0.08-0.15 ft long and 0.05-0.08 ft thick af very light gray to very light olive gray finely crystalline limestone 10.5
10											
15	Reading Limestone										Limestone medium-gray finely crystalline hard beds 0.6 ft thick weathers moderate yellowish brown capped by argillaceous limestone layer 0.35 ft thick that weathers
		Auburn Shale									Claystone light-olive-gray in lower part to medium-light-gray in upper part slightly silty weathers to light-olive-gray blocky fragments light-olive-gray to light-yellowish-gray clayey limestone in many irregular beds 0.02-0.09 ft thick limestone weathers to hard fragments limestone more abundant in upper part claystone and limestone beds fossiliferous USGS fossil loc. 19456--PC 10.9
20											
25											
30											Siltstone dark-gray hard finely laminated to platy Claystone light-olive-gray slightly calcareous weathers light yellowish gray forms conspicuous light-colored outcrop 1.9

Primary Rock Lithology



Clay, Claystone

Silt, Siltstone

Limestone

Secondary Rock Lithology



Clayey, Argillaceous, clay

Silty, Silt

fossiliferous

Calcareous

Fossils

Fresh Water

Brackish Water

Marine

(A) Few

A Many

A Broken

A - Macrofossils

A - Brachiopods

A - Bryozoans

A - Corals

A - Crinoids

A - Pelecypods

A - Algae

A - Larger Foraminifera, or fusulin

A - Ostracodes