

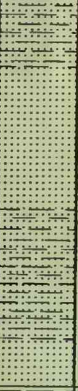





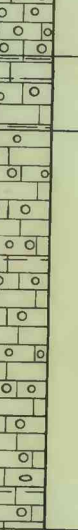



SERIES	FORMATION OR MEMBER		THICKNESS IN FEET	DESCRIPTION
Chester series	Tar Springs sandstone		100±	Shale, dark-gray, sandy; few interbeds of fine-grained light-gray sandstone
	Glen Dean limestone		60±	Limestone, light- and medium-gray, medium- and coarse-grained, fossiliferous; few interbeds of shale near top
	Hardinsburg sandstone		125±	Sandstone, light-gray, fine- and medium-grained; variable amounts of very sandy gray shale
	Golconda formation		140±	Shale, dark-greenish-gray and black, fissile; calcareous and sandy in places; interbeds of medium-gray, medium- and coarse-grained fossiliferous limestone containing shaly partings; top and bottom few feet may be slightly sandy; also medium-gray, medium- and coarse-grained limestone with interbeds of shale in upper quarter of formation
	Cypress sandstone, Paint Creek shale, and Bethel sandstone undifferentiated		150±	Sandstone, light- and medium-gray fine- and medium-grained; locally pyritic near shale beds; shaly partings common in upper part of unit; also medium- to dark-gray shale containing silty or sandy lenses; shale bed in lower part of unit may be the Paint Creek
	Renault formation		25± 20± 25±	Limestone, medium-gray, fine- and medium-grained, partly oolitic; some shaly partings, one or two 1-foot gray-green shale beds; fossils Shale, dark- and greenish-gray, calcareous, fossiliferous; some interbeds of medium-gray oolitic or argillaceous limestone in middle of unit Limestone, medium-gray, fine-grained, argillaceous; few shaly partings, partly oolitic, sandy near base
Meramec series	Levias limestone member		25±	Limestone, light- and medium-gray, fine- and medium-grained, commonly oolitic; few shaly partings
	Rosiclare sandstone member		15±	Limestone, light- and medium-gray, and greenish-gray, fine- and medium-grained, sandy; some thin shale beds and shaly partings; also gray-green, fine-grained commonly calcareous sandstone
	Fredonia limestone member		25±	Limestone, dominantly light-gray, coarse-grained, oolitic; a light-gray fine-grained dense limestone bed is rare
			20±	Limestone, dominantly light- and medium-gray, fine-grained; shaly partings common; also a few beds of light-gray oolitic limestone and gray-green shale
	St. Louis limestone (bottom not found)		135±	Limestone; over half of unit is light and medium gray, coarse grained, and oolitic; light- and medium-gray fine-grained limestone beds are common; chert nodules and thin shale or shaly limestone beds are rare
			100+	Limestone, medium-gray, fine- to coarse-grained; blue-gray chert nodules common; a few beds in the upper 25 ft of the formation are oolitic; chert nodules are more abundant in the lower 75 ft than in the upper 25 ft

SECTION OF MISSISSIPPIAN ROCKS IN THE LEVIAS-KEYSTONE
AND DIKE-EATON AREAS, CRITTENDEN COUNTY, KENTUCKY