

U. S. Geological Survey
OPEN FILE REPORTThis map or illustration is preliminary
and has not been edited or reviewed for
conformity with Geological Survey
standards or nomenclature.

System	Subdivisions	Formation	* # X	Thickness in feet					Lithology
				(1)	(2)	(7)	(17)	(17)	
				Navajo A-1	Midwest 1 Gypsum	Wilson- Cranmer	Utah 1 Noble	Utah 1 Noble	
				Texas Co.	Wengerd and Strickland, 1954	Wengerd and Strickland, 1954	Wengerd and Strickland, 1954	Huddle and Dobrowolny, 1945	
Permian	Wolfcamp	Cutler fm.							
		Rico formation		570	350	225	275	375	Gray to white fossiliferous limestone interbedded with gray massive sandstone, thin-bedded red sandstone, some red shale, and mudstone.
Penn- sylvanian	Virgil								
	Missouri	Hermosa formation		755	400	440	625	1550	Gray cherty limestone interbedded with gray, black, red, and lavender shale and some gray sandstone.
	Des Moines	Paradox formation ?			350	25	225		White to light gray crystalline dense limestone, interbedded with amber chert, gray sandstone, and some calcite. Locally slightly oolitic.
					Pinkerton Trail fm. 150		300		"Dark gray, fine to coarsely crystalline, crinoidal, and fusulinid-bearing limestone with some dark gray shale." (Wengerd and Strickland, 1954, p. 2168).
	Atoka	Molas formation		97	80	T.D. 2323 in Pinkerton Trail fm.		80	Red Maroon to purple shale interbedded with light gray dense limestone containing amber chert lenses.
	Morrow								
Missis- sippian	Chester								
	Meramac	Leadville limestone		492				175	White to tan-gray chalky crystalline limestone with some amber chert at top; dolomitic with interbedded chalky crystalline limestone layers near base.
	Osage								
	Kinderhook								
Devonian	Upper	Ouray limestone		446				200	White to light gray finely crystalline limestone interbedded with red, purple, and green shale beds.
		Elbert formation		T.D. 4523 in Elbert fm.	T.D. 2083 in Elbert fm.			325	Tan-gray coarsely crystalline dense dolomite beds interbedded with purple shale, and white to light gray sandstone.
	Middle								
	Lower								
Silurian									
Ordovician									
Cambrian								800	White to tan-gray dolomite beds interbedded with gray sandstones that contain scattered glauconite; locally contains beds of sandstone and shale; predominantly a sandstone in its basal part.
Pre- Cambrian						T.D. 3633 in Pre- Cambrian	T.D. 3633 in Pre- Cambrian		

* - Well number

* - Well name

X - Reference

U. S. Geological Survey
OPEN FILE REPORTThis map or illustration is preliminary
and has not been edited or reviewed for
conformity with Geological Survey
standards or nomenclature.