

SYSTEM	FORMATION AND MEMBER		THICKNESS, IN FEET					LITHOLOGY	
			1*	2*	15*	7 ^a	7 ^b		
PERMIAN	Cutler formation								
	Rico formation		570	350	225	375	375	Gray to white fossiliferous limestone interbedded with gray massive sandstone, thin-bedded red sandstone, some red shale, and mudstone.	
PENNSYLVANIAN	Hermosa formation	Upper member	755	400	440	800	1550	Gray cherty limestone interbedded with gray, black, red, and lavender shale and some gray sandstone.	
		Paradox(?) member		350	25	290		White to light-gray crystalline dense limestone, interbedded with amber chert, gray sandstone, and some calcite. Locally slightly oolitic.	
	Pinkerton Trail formation of Wengerd and Strickland			150	Total depth 2323 feet Pinkerton Trail formation of Wengerd and Strickland			400	"...dark gray, fine to coarsely crystalline, crinoidal, and fusulinid-bearing limestone with some dark gray shale." (Wengerd and Strickland, 1954, p. 2169).
	Molas formation			97	80	100		80	Maroon to purple shale interbedded with light-gray dense limestone containing amber chert lenses.
MISSISSIPPIAN	Leadville limestone		492			175	White to tan-gray chalky crystalline limestone with some amber chert at top; interbedded dolomitic layers near base.		
DEVONIAN	Ouray limestone		446			200	White to light-gray finely crystalline limestone interbedded with red, purple, and green shale.		
	Elbert formation					325	Tan-gray coarsely crystalline dense dolomite interbedded with purple shale, and white to light-gray sandstone.		
SILURIAN			Total depth 4523 feet Elbert formation						
ORDOVICIAN									
CAMBRIAN						800	White to tan-gray dolomite interbedded with gray sandstone that contains scattered glauconite; locally contains beds of sandstone and shale; predominantly sandstone in its basal part.		
PRECAMBRIAN									
					Total depth 3630 feet	Total depth 3633 feet			

* Index number for wells in table 3 and figure 30. ^aBased on information from Wengerd and Strickland (1954). ^bBased on information from Hansen and Bell (1949).

GENERALIZED SECTION OF PRE-CUTLER ROCKS UNDERLYING THE MONUMENT
VALLEY AREA, APACHE AND NAVAJO COUNTIES, ARIZONA