

Table 1.--Generalized stratigraphic section and water-bearing characteristics of aquifers in central-western New Mexico - Continued

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Era	System	Series	Group	Stratigraphic Unit	Thickness		Generalized lithology	Generalized hydrologic characteristics	Remarks	
					feet	metres				
Mesozoic	Triassic	Upper Triassic	Glen Canyon	Wingate Sandstone						
				Lukachuki Member ^{1/}	0- 360	0-110	Chiefly a reddish-brown, fine-grained crossbedded sandstone.	Yields small amounts of water to domestic and stock wells.	Depositional characteristics of eolian environment (Cooley, 1959).	
				Rock Point Member	0- 100	0- 30	Silty sandstones interbedded with sandy siltstone.	Unknown	Depositional characteristics of fluvial environment (Cooley, 1959).	
			Dockum	Chinle Formation						
				Owl Rock Member	0- 40	0- 10	Chiefly an interbedded light-gray limestone and reddish-brown shale.	Generally not water bearing.	Lower units of the Chinle Formation rest unconformably on the Moenkopi Formation or upper Paleozoic rocks. Predominantly fluvial deposits.	
				Petrified Forest Member						
		Upper part		800- 900	245-275	Chiefly reddish-brown siltstones and mudstones with interbedded fine-grained sandstones.	do.	--		
		Sonsela Sandstone Bed	20- 175	5- 55	Predominantly light-orange to gray, poorly sorted sandstones, conglomerate and interbedded siltstone and mudstone.	Yields small amounts of water to wells. Water quality is generally unsuitable for domestic use.	--			
		Lower part	250- 750	75-230	Reddish-brown to purple and light-gray to white silty sandstone and interbedded varicolored siltstone and mudstone.	Generally not water bearing.	--			
		Shinarump Member	0- 130	0- 40	Moderate orange and yellowish-gray sandstone, in part conglomeratic with interbedded siltstones and mudstones.	Yields small amounts of water to stock and domestic wells.				
Middle(?) and Lower Triassic			Moenkopi(?) Formation	0- 100	0- 30	Chiefly a reddish-brown sandy shale and interbedded siltstone.	Generally not water bearing.	Unconformably underlies the Chinle Formation and unconformably overlies the San Andres Limestone and other Permian rocks.		

^{1/} Now recognized as the Iyanbito Member of the overlying Upper Jurassic Entrada Sandstone (Green, 1974).