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

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Erathem	System	Series	Group	Stratigraphic Unit	Thickness feet	Thickness metres	Generalized lithology	Generalized hydrologic characteristics	Remarks
Mesozoic	Jurassic	Upper Jurassic		Morrison Formation					Morrison Formation beveled and truncated to south by post-Jurassic-pre-Late Cretaceous erosion (Smith, 1959).
				Brushy Basin Shale Member	0- 200	0- 60	Variegated sandy shale	Generally not water bearing.	Sandstones are host for uranium deposits in Laguna area.
				Westwater Canyon Sandstone Member	0- 250	0- 75	Chiefly a white to red, coarse to medium-grained sandstone.	Yields small to moderate amounts of water to wells. One of the major aquifers in the area.	Produced in Yah-ta-hey water field operated by city of Gallup. Major host for uranium ore in central-western New Mexico. Wedges out toward southern part of area.
				Recapture Shale Member	0- 400	0-120	Dark reddish-brown to green sandstone and shaley mudstone.	Generally not water bearing.	Intertongues with and wedges out southward into the Cow Springs Sandstone.
			---	Cow Springs Sandstone and Bluff Sandstone of San Rafael Group, undivided [Equivalent in part to the Zuni Sandstone of Dane and Bachman (1957) reproduced as figure 3 of this report.]	50- 425	15-130	Chiefly gray to light-yellowish gray, fine to medium-grained, crossbedded sandstone with some interbedded siltstone.	Very few wells tap the formation but the few that do yield small amounts of water.	The Bluff Sandstone is a tongue of the more extensive eolian Cow Springs Sandstone that was deposited on the flank of the Mogollon highland. In southwestern McKinley County, the Cow Springs Sandstone is stratigraphically equivalent to the Todilto Limestone, Summerville Formation, Bluff Sandstone, and the lower part of the Morrison Formation. (Harshbarger, Repenning, and Irwin, 1957, p. 48-51 and 1958, p. 111).
			San Rafael	Summerville Formation	0- 200	0- 60	Moderate reddish-brown sandstone and sandy siltstone.	Generally not water bearing	
				Todilto Limestone	0- 75	0-20	Gray thin bedded limestones and reddish-brown sandy shale.	do.	Host for uranium deposits in Grants area.
				Entrada Sandstone	50- 350	15-110	Reddish-brown, fine-grained sandstone and siltstone.	Low permeability restricts the water-bearing capacity.	Eolian in part.