

Table 2. Jurassic-Quaternary stratigraphy of the Chaidamu Basin, Qinghai Province, Northwest China. (After Chinese Academy of Geological Sciences, 1982; Chang and others, 1958; Huang, 1959; Meyerhoff, 1982; Petroconsultants S.A., 1979, 1981, and 1982; Song and Liao, 1982; and Wang, 1981).

● Oil ⚙ Gas ■ Coal ▨ Oil Shale

Era	System	Series	West	Lenghu	East	Remarks
CENOZOIC	Quaternary	Holocene	Alluvial, eolian, and lacustrine deposits and evaporites. 5-80 m Fluvial sand and gravel. 100+ m Lacustrine sandy clay and gypsum. 15-30 m Till and outwash deposits. 200 m			
		Pleistocene	Qigequan Formation Light-yellowish-gray conglomerate and grayish-yellow mudstone containing sandstone. Locally glacial deposit. 600-1,000 m in south; 0-2,500 m in north.	Qigequan Formation Gray mudstone. Locally glacial deposit. 230 m	Qigequan Formation Gray mudstone and siltstone. Locally glacial deposit. 3,000 m	⚙ Sebei Fields in Sanhu (Three Lakes) depression.
	Tertiary	Pliocene	Shizigou Formation Light yellow mudstone, containing sandstone. 600-1,200 m in south; 0-1,500 m in north.	Shizigou Formation Orange-yellow sandstone and mudstone interbeds. 840 m	Shizigou Formation Yellow mudstone. 1,200 m	● ⚙ This formation is probably equivalent to upper part of the "Kuang-Kou suite" (Petroconsultants S.A., 1979 and 1981).
			Orange, yellowish-gray mudstone, intercalated with sandstone and conglomerate. 200-600 m in south; 700-2,700 m in north	Orange-yellow sandstone and mudstone interbeds. 740 m	Gray mudstone. 1,100 m	
		Shangyoushashan Formation Orange-yellowish-gray mudstone, containing sandstone and conglomerate. 200-1,500 m in south; 800-2,000 m in north.	Shangyoushashan Formation Orange-yellow sandstone and mudstone interbeds. 880 m	Shangyoushashan Formation Grayish-orange mudstone. 1,000+ m	● ⚙ This formation is probably equivalent to lower part of the "Kuang-Kou Suite" (Petroconsultants, S.A., 1979 and 1981)	
	Miocene	Xiayoushashan Formation Grayish-green conglomeratic sandstone, interbedded with orange-red, gray mudstone and sandstone. Limestone present locally. 150-600 m in south; 300-1,500 m in north.	Xiayoushashan Formation Gray, orange-red sandstone and mudstone. Limestone locally. 500 m	Xiayoushashan Formation Gray, yellowish-green clayey sandstone, marl, and limestone. 95 m	● ⚙ This formation is probably equivalent to upper part of the "Hunghsiaokao Suite" or "Chunsiao Suite." (Petroconsultants, S.A., 1979 and 1981)	
		Shangganchaigou Formation Gray, brown sandstone and mudstone. Limestone locally. 50-400 m in south; 300-900 m in north.	Shangganchaigou Formation Gray, brown, orange-red sandstone, mudstone and limestone. 300 m	Shangganchaigou Formation Gray, yellowish-green siltstone, mudstone, marl and sandstone. 200 m	● ⚙ This formation is probably equivalent to lower part of the "Hunghsiaokao Suite" or Chunsiao Suite." (Petroconsultants, S.A., 1979 and 1981)	
		Xiaganchaigou Formation Brownish-red or gray mudstone, containing sandstone and locally limestone. 200-800 m in south; 1,400-2,800 m in north.	Xiaganchaigou Formation Orange-brown sandstone and mudstone interbeds. Locally marl and limestone. 1,000 m	Xiaganchaigou Formation Orange-red rock series.	● This formation is probably equivalent to the "Chenchenshan Suite." (Petroconsultants, S.A., 1979)	
		Luluohe Formation. Red mudstone, contains sandstone. 200-1,000 m in south; 200-1,500 m in north.	Luluohe Formation. Red conglomerates, conglomeratic clayey sandstone and mudstone. 700-1,200 m			
	Paleocene					
	Cretaceous	Upper Cretaceous	Caishiling Series Red brown sandstone and conglomerate, containing siltstone and sandy mudstone. 300-1,000 m		Quanyagou Formation Brownish-red, brown conglomerate, conglomeratic sandstone intercalated with siltstone and mudstone. 303-772 m	● Quanyagou Formation is probably equivalent to the "Hsaichilin Suite" (Petroconsultants, S.A., 1979)
		Lower Cretaceous				
	MESOZOIC	Jurassic	Upper Jurassic	Hongshuigou Formation Red conglomeratic sandstone, mudstone and siltstone 200(?) m	Hongshuigou Formation Orange-red, bluish-red and brownish-red mudstone conglomerate, conglomeratic sandstone and siltstone. 248 m	●
				Yuandingshan Formation Purplish-red, brownish-red mudstone, siltstone, and conglomeratic sandstone. 230(?) m	Yuandingshan Formation Orange-red, purplish red, brownish-red mudstone, siltstone, sandstone, and conglomerate. 274 m	●
Middle Jurassic		Hongliugou Series Gray, grayish-green, red mudstone, intercalated with shale, sandstone and conglomerate. 400-1,500± m	Dameigou Formation Gray, dark-gray, yellowish-green and purplish-red carbonaceous shale, siltstone and coal. 2,700-3,000 m	Dameigou Formation Conglomeratic sandstone, sandstone, black fissile shale, carbonaceous mudstone and coal, containing siderite concretion and thin limestone. 223 m Coal beds, carbonaceous mudstone, clayey sandstone, siderite concretions and carbonaceous shale. 131 m Yellowish-green, purplish-red mudstone, gray conglomerate and conglomeratic sandstone. 412 m Black, blackish-gray shale, siltstone, and coal beds, containing small amount of oil-shale and siderite beds. 263 m	■ ▨	
		Lower Jurassic		Xiaomeigou Formation Feldspathic sandstone, conglomeratic sandstone; quartzose sandstone, black orange-gray, carbonaceous shale, siltstone and coal; and gray, black carbonaceous shale, conglomeratic sandstone and basal conglomerate. 88-480 m	■	