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塔里木盆地泥盆系——石炭系界线研究 [点此下载全文](#)

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摘要:

塔里木盆地泥盆系—石炭系东河塘组, 甘木里克组和巴楚组产生丰富的孢子, 牙形刺和鱼化石, 本文依据古生物地层的最新研究成果, 论述了东河塘组和甘木里克组(含砾砂岩段)的时代为晚泥盆世, 巴楚组(下泥岩段和生屑灰岩段)的时代限于早石炭世早期, 论证了泥盆系—石炭系界线应划在含砾砂岩段和下泥岩段之间。

关键词: [生物地层](#) [泥盆系](#) [石炭系](#) [塔里木盆地](#) [地层界线](#)

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Abstract:

Late Devonian-Early Carboniferous deposits in the Tarim Basin are divided into the Donghetang, Ganmulike and Bachu formations, in which abundant and well-preserved spores, conodonts and fish fossils have been found. Based on the spores assigned to the *Apiculiretusispora hunanensis*-*Ancyrospora furcula* (HF) spore zone recognized in the Donghetang Formation of borehole Cao-2, which is of marked Late Devonian palynofloral characters, and the fish remains assigned to Placoderm from the Ganmulike Formation of borehole TZ45, the Donghetang and Ganmulike Formations are believed to be Late Devonian in age. The conodont fauna from the upper part of the Bachu Formation display Devonian-Carboniferous transitional characters and the spores from the lower part of the formation can be correlated with the basal Carboniferous spore zone of western Europe; so it is suggested that the Bachu Formation be Early Carboniferous in age and that the Devonian-Carboniferous boundary be between the Ganmulike and Bachu Formations.

Keywords: [spores](#) [biostratigraphy](#) [Devonian-Carboniferous boundary](#) [Tarim Basin](#)

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