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湖盆三角洲沉积坡度带特征及其与滑塌浊积岩分布关系的初步探讨 [点此下载全文](#)

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摘要:

三角洲前缘滑塌浊积岩是分布于深水环境中一种重要的储集砂体,也是陆相湖盆中一种重要的岩性油气藏。三角洲沉积体系一般存在三个地形坡度转折点,即顶积层与前积层之间的转折点、三角洲前缘斜坡与前三角洲沉积之间的转折点、三角洲沉积体系与正常湖泊沉积作用之间的转折点,其中前缘斜坡的地形坡度最大。前缘斜坡地形坡度是控制滑塌作用和形成滑塌浊积岩的关键因素之一,滑塌作用一般发生于前缘斜坡的上部,而滑塌浊积岩主要分布于前缘斜坡的根部和前三角洲外侧,这些地区是三角洲沉积体系中地形坡度的转折点。前缘斜坡的坡度决定了前三角洲外侧坡度转折点的位置,坡度越大,转折点越靠近前缘斜坡带,结合东营三角洲的精细解剖分析,建立了两者之间的定量关系式。

关键词: [三角洲](#) [滑塌浊积岩](#) [岩性油气藏](#) [地形坡度](#) [定量预测](#)

Discussion on the Relationship between Distribution of Fluxoturbidite and Depositional Slope of Delta in Lacustrine Basin [Download Fulltext](#)

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Abstract:

The fluxoturbidite in delta front is an important reservoir sandbody distributing in deep water environment, and it is an important lithologic hydrocarbon reservoir in lacustrine basins. The delta depositional system generally has three topography slope breakpoints, namely the breakpoint between topset and foreset, the breakpoint between delta foreslope and prodelta and the breakpoint between delta depositional system and normal lacustrine depositional system, of them the topography grade of the foreslope is the biggest. The topography grade of the foreslope is one of the key factors which control the forming of fluxoturbidite. The slumping action occurs in the top of foreslope, and fluxoturbidite mainly distributes the bottom of the foreslope and the outside of the prodelta, these zones are topography slope breakpoints in the delta depositional system. The grade of the foreslope decides the location of the slope breakpoints in the outside of prodelta, the bigger the grade, the smaller the distance between the breakpoint and the foreslope. The quantitative correlation formula between the grade and the distance is established based on the fine dissection of Dongying Delta.

Keywords: [delta](#) [fluxoturbidite](#) [lithologic hydrocarbon reservoir](#) [topography slope](#) [quantitative prediction](#)

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