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北大港潜山带翼部成藏特点及勘探前景

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Reservoirs characteristics and exploration prospect in the flank zone of buried hills, northern Dagang

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摘要

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摘要 北大港潜山带位于歧口凹陷和板桥凹陷之间,主要分为构造主体区和构造围斜区两部分,具有明显的负反转构造演化特点。以往勘探都是以围绕潜山高点寻找构造油气藏为主,本次研究发现构造围斜部位具有紧邻油源断层、古风化壳岩溶储层发育、上倾方向受分割断层或储层横向非均质性封堵等优越的油气成藏条件,勘探程度低,潜力巨大。

关键词 : 北大港潜山带, 逆冲断层, 构造反转, 风化壳, 岩溶作用, 油源断层

Abstract : Northern Dagang buried hill zone located between Qikou sag and Banqiao sag is mainly divided into two structural parts, viz. the main body and the periclinal area. The buried hill zone has obvious evolution characteristics of negative inversion structure. Structural reservoirs around the high point of the buried hill was given priority to in the previous exploration. Through carefully analyzing the characteristics of the northern Dagang buried hill zone, it can be drawn that the tectonic periclinal area with the low degree of exploration is a very prospective structural zone, which has the favorable hydrocarbon accumulation conditions, such as adjacent to source fault, the developed karst reservoir in the paleo-weathering crust, and the updip direction sealed by segmentation fault or lateral reservoir heterogeneity.

Key words : Northern Dagang buried hill zone thrust fault tectonic inversion weathering crust karstification source fault

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