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油源区内外断裂控藏作用差异性研究——以松辽盆地三肇凹陷和长10区块扶余—杨大城子油层为例 [点此下载全文](#)

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摘要:

在松辽盆地三肇凹陷和长10区块断裂发育及分布特征研究的基础上, 利用断裂与三肇凹陷之间空间分布位置关系对三肇凹陷和长10区块断裂控藏作用的差异性进行了研究, 得到三肇凹陷和长10区块扶余—杨大城子(扶杨)油层主要发育南北向的T<sub>2</sub>断裂, 断裂密度大、平面分布不均, 断裂断距小, 延伸距离短, 剖面上受基底断裂控制形成似花状垒堍组合, 平面上密集成带。三肇凹陷T<sub>2</sub>源断裂主要对青一段源岩生成的油起垂向运移输导作用, 使油向下“倒灌”运移进入扶杨油层。长10区块T<sub>2</sub>断裂对扶杨油层的油则主要起侧向运移输导作用, 使三肇凹陷扶杨油层中的油向长10区块侧向运移。三肇凹陷T<sub>2</sub>断裂密集带不是扶杨油层油聚集成藏的主要部位, 油主要聚集在T<sub>2</sub>源断裂的下盘, 长10区块T<sub>2</sub>断裂密集带则是扶杨油层油聚集成藏的主要部位。

关键词: [三肇凹陷](#) [长10区块](#) [扶杨油层](#) [断裂](#) [输导](#) [聚集](#)

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Abstract:

On the basis of the research on fault development and distribution in the Sanzhao depression and Chang 10 block, Songliao Basin, the differences of controlling of fault to oil accumulation in the Sanzhao depression and Chang 10 block was studied by use of the spatial distribution of the faults in the Sanzhao depression. It was considered that there mainly developed T<sub>2</sub> faults of the Fuyu—Yangdachengzi oil layers in SN direction in the Sanzhao depression and Chang 10 block, which were high density, uneven distribution in the plane, small fault throw and short extended distance. On the section, resembling flower like graben horst combinations were formed by the control of basement faults. In a plane the faults are dense to be in belt. Oil from K<sub>1</sub>qn<sub>1</sub> source rocks migrated vertically through T<sub>2</sub> source faults in the Sanzhao depression and downward into the Fuyu—Yangdachengzi oil layers. Oil from the Fuyu—Yangdachengzi oil layers of the Sanzhao depression was transported laterally into the Fuyu—Yangdachengzi oil layers through T<sub>2</sub> faults in the Chang 10 block. T<sub>2</sub> fault condensed belt in the Sanzhao Depression is not the major accumulation position of oil in Fuyu—Yangdachengzi oil layers. Oil is mainly accumulated in the bottom walls of T<sub>2</sub> source faults. T<sub>2</sub> fault condensed belt in the Chang 10 block is the main accumulation position of oil in the Fuyu—Yangdachengzi oil layers.

Keywords: [Sanzhao depression](#) [Chang 10 block](#) [Fuyu—Yangdachengzi oil layers](#) [Songliao Basin](#)

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