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源内无断层沟通型水平状砂岩透镜体成藏模拟及应用

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Pool Formation Simulation and Application of the In-source Horizontal Sand-lens without Fault Connection

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摘要/Abstract
<p>摘要 :</p> <p>岩性地层油气藏已成为我国陆上今后相当长一个时期内最有潜力、最现实的油气勘探领域,砂岩透镜体油气藏已成为岩性地层油气藏勘探的热点,但目前对其成藏条件尚未达成共识。在对砂岩透镜体成藏的可能模型进行详细分类的基础上,利用先进的数值模拟软件模拟并结合油田实例分析,对源内无断层沟通型水平状砂岩透镜体成藏条件进行了初步探讨,结果表明:泥岩初始含油饱和度是源内无断层沟通型水平状砂岩透镜体成藏的主导因素,泥岩的渗透率、泥岩与砂岩毛细管压力压差等,也是源内水平状砂岩透镜体成藏不可忽视的因素。</p> <p>关键词: 砂岩透镜体, 成藏, 源内, 分类, 含油饱和度</p> <p>Abstract:</p> <p>Litho-stratigraphical reservoir has been and will be the most potential and realistic petroleum exploration field for a long time in China's onshore exploration.Sand-lens pool is a litho-stratigraphical reservoir,and its formation and distribution has been valued hot spot.However,no consensus has yet reached about the formation condition of sand-lens pool.Based on detailed classification on the formation of possible models of sand-lens pool,the formation condition of in-source horizontal sand-lens pool without fault connection is studied with advanced numerical modeling software,taking litho-stratigraphical reservoir in oilfield as an example.The result shows that primary shale oil saturation is dominant factor for the formation of in-source horizontal sand-lens pool without fault connection.</p> <p>Key words: Sand lens, Reservoir formation, In-source, Classification, Oil saturation</p> <p>中图分类号:</p> <p>TE122.3</p>
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