研究简报

RMT测井技术在华北油田的应用

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摘 要　油田开发后期，寻找剩余油是油藏动态监测过程中的一大难题。RMT测井在华北油田开发中的应用效果显著，实际应用证明，对于孔隙度大于12%的中低矿化度条件下的储层，该仪器采用碳氧比模式进行测量，能够识别流体性质、判断水淹层、确定剩余油饱和度、识别薄层，同时可以识别常规测井资料漏失的油气层。RMT测井在油藏监测和科学管理方面，具有其它测井方法不可替代的优势。

关 键 词　套管井　RMT测井　剩余油饱和度　储层评价　应用

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Abstract　At the late stage of oil development, oil remaining detection could become a tough problem to solve during the reservoir monitoring. RMT logging technique has been effectually applied in Huabei oilfield. It's been proved that C/O mode measurement of RMT logging tool could be well used for the reservoir evaluation in the condition of above 12% porosity and middle or low salinity. By RMT logging data, the fluid property or oil sheet could be distinguished. Also the water flooded zone and the oil remaining saturation could be obtained. At the same time, the oil reservoir could be found out, which could not be detected be conventional logging technique. Truly RMT logging tool has the unique performance which could not be substituted by any other logging tool.

Key words　casing hole　RMT logging　oil remaining saturation　reservoir evalutio　application

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