

论文

隐蔽油气藏地震预测技术研究新进展

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摘要 本文分析了隐蔽油气藏预测的现状和存在问题,在详细介绍了地震技术预测隐蔽油气藏的研究进展的基础上,阐述了叠前保幅地震资料处理、正演模拟、岩石物理参数分析、地震反演、AVO分析和叠前弹性反演等技术的特点,指出了隐蔽油气藏定量描述需在叠前真振幅处理地震资料的基础上,岩石物理参数研究和正演结合探究含油气性地震属性特征,正演与反演相结合和验证,岩石物理分析技术贯穿地震正、反演的整个过程,是今后隐蔽油气藏勘探发展的必然趋势.

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The New progress of seismic forecast technology of Subtle Traps

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Abstract This paper analyzed the actuality and existing problems for subtle traps forecasting, on the basis of introducing the progress of seismic technique in subtle traps forecasting. The discussed issues include prestack holding-amplitude processing, forward modeling, rock physics analysis, seismic inversion, AVO analysis, and prestack elastic inversion. It is concluded that quantitative description should be based on holding-amplitude stacked of prestack time migrated section, hydrocarbon potential prediction should be adopted in the subtle traps by using the seismic attributes that deduced from rock physics analysis and forward modeling. Aiming at a combination of forward modeling and seismic inversion, rock physics parameter analysis run through the whole process, it is the development tendency of exploration in subtle traps forecasting.

Key words

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