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注入剖面核示踪同位素测井技术研究

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摘要 利用放射性同位素示踪位置灵敏探测技术进行测井的可行性研究,为精确测量同位素示踪污染(或滤积)位置及污染量,提高放射性同位素示踪注入剖面评价成果的可靠性提供依据。文章涉及放射性同位素示踪能谱测井仪研制、模拟井刻度实验、实验数据分析等方面。实验结果表明,放射性同位素示踪能谱测井技术在理论上和生产中具有良好的应用前景。

关键词 [131Ba](#) [注入剖面](#) [γ能谱测井仪](#) [实验方法](#)

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Technique of Injection Profile Nuclear Trace in Isotope Logging

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Abstract The radioactive isotope tracer position can be detect sensitively in logging .In order to accurately measure contaminated isotope position and amount, improve the reliability of the isotope tracer injection profile evaluating result, the feasibility of radioactive isotope tracer detection technique in logging is research. The contents concern in the development of radioactive isotope tracer energy spectrum logging device, the calibration experiment in model well, the analysis of experimental data, the data (interpret)-ing, and so on. The result shows that radioactive isotope tracer petroleum logging technique possesses favorable application prospect both in theory and in production.

Key words [~\(131\)Ba](#) [injection profile](#) [γ-energy spectrum logging device](#) [experiment \(method\)](#)

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