

我国油气开发监测技术进展

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摘要 文章介绍了油气开发中主要关心的油气藏、井场设备及套管的监测技术和运用效果,油气藏监测主要是剩余油和油藏储藏物性的监测,套损直接影响油、水井的使用寿命、油、气产量和注水效果,井场设备运行的好坏直接关系油、气产量和注水效果,输油(注水)管道泄漏造成资源的浪费、人身伤害和环境污染事故.通过地球物理、地球化学及油气藏工程等检测和监测技术认识油气藏流体分布、性质、运动状态,评价套管、管线及井场设备的健康状况,为油田优化开发方案的制定、管理及实施提供依据.

关键词 [油气开发油气藏管道套管抽油机监测](#)

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Progress in oil productive monitoring technology in China

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Abstract Monitoring technique and application of reservoir, case and wellsite facilities which oilfield development mainly concerns are introduced. Reservoir monitoring is to know residual oil and reservoir properties. Casing damage and facilities running direct influences oil life, output and injecting effectiveness. Pipes leakage causes resource loss, bodily injury and environment pollution. To know fluid configuration, properties, movement condition of reservoir and to evaluate physical properties of cases, pipes and facilities provide foundation of drawing up, controlling and operating oil field development plan by geophysical geochemistry and engineering.

Key words

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