

信息技术

油田勘探井位部署决策支持系统应用

周 霞, 申龙斌, 孙旭东, 梁党卫

中国石油化工股份有限公司胜利油田物探研究院, 山东东营257022

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摘要 决策支持系统作为新兴的管理信息技术, 只有与生产实践紧密结合, 才能焕发出强大的生命力。根据石油行业勘探井位部署工作对勘探信息的综合需求, 胜利油田提出了勘探井位部署决策支持系统解决方案, 充分利用勘探数据库及信息技术, 构建了一个勘探信息综合应用的数据管理、数据查询与可视化展示一体化平台, 为科研人员提供了项目研究所需的数据支持和成果资料的管理与共享; 为管理部门提供流程管理及及时掌握项目进度, 提高了项目管理水平及工作效率; 为决策人员采用方便直观的方式提供准确可靠的决策依据, 降低了决策风险, 提升了决策水平。勘探井位部署决策支持系统为勘探生产带来了巨大的经济效益, 对于国内石油勘探行业具有一定的借鉴意义。

关键词 [决策支持系统](#); [石油勘探](#); [井位部署](#); [数据库](#); [可视化展示](#)

Application of exploration well deployment decision support system in oilfield

hou Xia, Shen Longbin, Sun Xudong, Liang Dangwei

Zhou Xia, Geophysical Research Institute of SINOPEC Shengli Oilfield Company, Dongying 257022, China

Abstract As a developing technology, decision support system would make a very important role when it combines closely with the production practice. According to the complex demands of exploration well deployment in oil industry, an advanced solution has brought forward in Shengli Oilfield. Take full advantage of exploration database and information technology, we set up an integrated platform with various functions such as data management, query, visible display and work flow. For research staff, they could share results and find required data easily and quickly. For manage personnel, they could control the progress of project conveniently with the assistance of workflow management tools. For decision makers, they could find out reliable decision solution depending on the plenty of facts and comprehensive knowledge than ever. It is proved that the solution is a good way for decreasing risk and it could be used for future reference to the other oilfields.

Key words [decision support system](#); [petroleum exploration](#); [well deployment](#); [database](#); [visualized presentation](#)

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通讯作者:

作者个人主页: [周 霞](#); [申龙斌](#); [孙旭东](#); [梁党卫](#)

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