

عنوان مقاله:

Application of artificial neural network system in forecast log LLD in one of Iran's gas reserves

محل انتشار:

سومین کنگره ملی مهندسی نفت (سال: 1390)

تعداد صفحات اصل مقاله: 6

نویسندگان:

Farzad Delnavaz - *Tehran Islamic Azad University Science and Research ,Tehran, Iran*

Jamshid Moghadasi - *Department of Petroleum Engineering, Petroleum University of Technology, Ahwaz, Iran*

Mohsen Masihi - *Tehran Islamic Azad University Science and Research ,Tehran, Iran*

Mohammad Javad Nabavi-Zadeh - *Tehran Islamic Azad University Science and Research ,Tehran, Iran*

خلاصه مقاله:

Analysis of well logs to obtain petrophysical data from hydrocarbon reservoirs is very important. This process is a complete set of log-scale storage needs, for various reasons such as lack of logs in old wells, the loss of logs on the effects of improper maintenance, falling some distance, which the logs are incomplete the log analysis is not done, or it can be done with low precision. Therefore in this study was to try LLD logs artificial wells P1, P2, P3, P4 in the South Pars gas field using artificial neural networks to be it. The assessment or collection of this log which logs to predict the influence of a log and has the least impact and finally obtain the optimal network structure. The three-layer perceptron network with back propagation learning rule is error. Sigmoid function of stimulus in the middle layer and output layer is linear function.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/260194>

