

عنوان مقاله:

Application of Artificial Neural Networks for prediction of Natural Gas Mixtures Water Content

محل انتشار:

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خلاصه مقاله:

In this paper a new method based an Artificial Neural Network (ANN) for prediction of natural gas mixture water content is presented. The dehydration of natural gas is very important in the gas processing industry, for design of facilities of the production, transmission, and processing of natural gas. It is necessary to remove water vapor present in the gas stream that may cause hydrate formation at lowtemperature conditions that may plug the valves and fittings in gas pipelines. In this study the available data for mixtures and available methods for predicting the water content of sour gas have been studied. Based on obtained results from ANN simulation , our methods is more accurate than .current used methods and can be used in gas engineering studies

کلمات کلیدی:

Water Content, natural gas, Sour gas, Artificial Neural Networks

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