

Upgrading vacuum systems of black oil rectification plant

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Abstract

Technical and economical comparison of several types of vacuum systems for rectification black oil under the vacuum was carried out. We have shown that the decrease of pressure in vacuum column substantially effects the working conditions of both condenser and vacuum systems. To create the pressure of 25 mm Hg in the column it is proved to be feasible to use a combined vacuum system, which includes a vapor ejector, condenser and liquid ring vacuum pump.