

PROCESS EQUIPMENT ANALYSIS INTEGRATED GAS TREATMENT UNIT FOR DIETHYLENE GLYCOL ABSORBENT CHANGE TO TRIETHYLENE GLYCOL

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Based on the calculated data obtained by using the software complex of modeling of technological processes for preparation of hydrocarbon raw materials of the domestic development «GIBBS», the article confirmed the advantage of triethylene glycol relative to diethylene glycol in terms of reduction of dew point temperature of dried gas in changing thermobaric conditions of operation of technological equipment of the complex gas treatment plant. The design parameters are confirmed by experimental data obtained during operation of the natural gas drying system at the facilities of Gazprom dobycha Noyabrsk LLC, where triethylene glycol is used as an absorbent.

Keywords: booster compressor station, gas absorption drying, diethylene glycol, triethylene glycol, dew point temperature, process modeling.

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For citations

Manikhin O. Yu., Shalay V. V. Process equipment analysis integrated gas treatment unit for diethylene glycol absorbent change to triethylene glycol // Omsk Scientific Bulletin. Series Aviation-Rocket and Power Engineering. 2020. Vol. 4, no. 2. P. 48 – 55. DOI: 10.25206/2588-0373-2020-4-2-48-55.

Received March 17, 2020.

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