

عنوان مقاله:

Energy Delivery at Oil and Gas Wells Construction in Regions with Harsh Climate

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خلاصه مقاله:

Energy delivery at well construction in regions with hard climate is distinguished by variable demand in electric and heat power. Energy consumption of drilling equipment, production and living facilities varies greatly during the year, depending on power load charts and climate conditions. Power supply of remote well construction sites is mostly accomplished by operating autonomous power sources, such as gas turbine units. In this regard efficiency enhancement of power units is seen as relevant task. Thus combined heat and power structure for efficient power supply of well construction operations is offered by the authors. Required amount of electric and heat energy at well drilling in harsh climate is calculated in the paper. Also scheme of energy delivering structure based on gas turbine units with flue gases heat utilization for rig objects heating is developed in the article.

کلمات کلیدی:

Combined Heat and Power Drilling Operations Provision Energy Delivery Gas Turbine

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