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Study of the petroleum schedules thermal cleaning process from asphalt, ressin and paraffin deposits using low- temperature plasma

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Abstract

Petroleum industry uses large amount of pumping and compression pipes. Carrying out the whole range of repair works requires cleaning of the pipe inner surface from deposits which appeared in it during operation [1]. The task of asphalt, resin and paraffin deposits control remains one of the most essential for the branch. The article deals with thermal method and device for asphalt, resin and paraffin deposits removal from pumping and compression pipes inner surface, describes and provides the device application scope for cleaning the pumping and compression pipes inner surface. To deal with borehole equipment and pipe systems waxing problem various deposit prevention and removal methods are used, including mechanical, thermal, chemical, combined and nonconventional methods.

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