Rig NOV2000 TD 500 PAC Utilization and Advantages for Drilling

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TD (Top Drive) drilling system, which have been used by petroleum industry since 80’s, entered TPAO inventory at 2002 with TD 500 PAC model produced by NOV(National). This electric TD has 500 tonnes hookload and 1750 HP drawworks capacity. It is used in Rig F-320 by TPAO for an important project, The Silivri Natural Gas Storage Project firstly. After that, it is used in NOV-2000 Rig and drilled successfully the deepest well of Türkiye, Yuvaköy-1 (TD:7216 m). Currently it’s being used in NOV-2000 rig in Adıyaman District. As the TD 500 PAC’s (which had a cost of 1 billion dollars to TPAO) benefits and importance recognized over time, from 2002 to 2010, this 8 years ended up in switching 8 Kelly drilling systems to TD systems. And this revision is still on progress. TD drilling system not only brings the advantages gain time while drilling thus lowering the costs; but also provides a high performance on tripping, fishing, horizontal drilling and extended reach operations. Moreover, TD usage is much safer than Kelly system according to Health&Safety. This presentation will inform you about TD 500 PAC’s usage, the differences from Kelly system, the benefits of TD system and the experiences gained during the important projects such as, The Silivri Natural Gas Storage Project, Karbeyaz and Yuvaköy wells.

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