



PERFORMANCE BULLETIN

PBL[®] bypass system used in Yakutia region (Russian Federation) during drilling a multilateral well

Challenge

Due to a low fracture gradient of the formation where there are natural fractures and multilateral well design, mud loss incidents are the largest NPT contributor while drilling.

Solution

Selection of the circulating sub type was a key decision. After multiple operational failures of the hydraulically activated circulating sub systems the customer decided to use the PBL[®] bypass system with the least amount of failure. A 4.3/4" OD PBL[®] bypass system with extended catcher cage was deployed in this well.



Execution

The customer performed 15 activation/deactivation cycles on a single tool during the drilling of this well.

Conclusion & Recommendation

The PBL[®] bypass system showed high reliability and performance compared with its competitors in such rough and demanding drilling conditions.

Furthermore, the simplicity of the procedure to empty out the PBL's ball catcher cage made it possible for the operator to re-deploy the tool with full cycle capability without returning the tool to the shop.

The PBL bypass system demonstrated its value to the operator by enabling him to cycle the tool 15 times using the same tool with minimal time taken to empty out the catcher cage