

CASE STUDY: 2019

Tornar® Drilling Scraper saves clean-up run in Deepwater operation

Challenge

Archer was challenged by a major West African Operator to eliminate dedicated wellbore clean-up run prior to running screens into the open hole and avoid reaming of the well. Further the operator wanted to reduce time between drilling and deployment of the lower completion.

The objective was to mitigate wellbore issues that could lead to failure to land the lower completion. There is a limited offer on the market for this type of technology.

Solution

Tornar® Drilling Scraper is a versatile tool used for cleaning the final casing section and is run as a part of the final bit run drilling assembly.

A ball is dropped to activate the scraper pads and enables cleaning of the casing shoe by rotation and reciprocation; eliminates a dedicated wellbore clean-up run. The cleaning can further be improved by adding one or more drilling magnet to the drilling BHA, collecting metallic debris.



Result

All the Customer's objectives were met. Lower completion was run successfully eliminating a dedicated clean-up run with relevant operational costs savings in terms of time and efficiency. Estimated customer savings 103 000 USD.

“A total of 11.36 kg of metal debris was collected from the scraper. Estimated customer savings 103 000 USD.”

