

CASE STUDY- 2021- GULF OF MEXICO

Tornar® BOP Cleaner captures 20 lbs of debris efficiently in optimum time

Challenge

Shell North America (Gulf of Mexico) wanted to reduce the potential damage experienced by debris when function testing Blow Out Preventers (BOP's). Shell wanted the most efficient and affective BOP jetting tool to properly remove harmful debris from the cavities after successful milling operations.

Maintaining well control integrity and ensuring the BOP as an effective barrier is integral to safe operations. As well as being considered a high risk heavy lift activity, having to pull subsea BOP's to the surface and break down each component for inspection and repair is an incredibly time consuming and costly activity.



Solution

Archer's Tornar® BOP cleaning technology was utilised to efficiently remove debris from the BOP cavities successfully in optimum time. The assembly consisted of a Circulation Magnet, the BOP Cleaner and an BOP Magnet.

In this case as a part of a very well documented verification of the Tornar® BOP cleaner by the client, the runs were safely and effectively conducted and documented by the rig crew after seeing significant fines and metallic shavings on the magnets. Cleanup efficiency can be further improved by implementing Magnets, increasing magnetic surface area and capturing more debris if additional runs are needed.

Result

After section milling the Tornar® jetting sub and magnets captured almost 20lbs of metal. Job was run with no issues and considered a success.

Shell as used this system in different applications around the globe. Archer's Tornar® continues to be a tried and tested method for BOP cleaning. Ensuring the potential to save the customer many hours of rig time, operational cost as well as reducing the operational risk of pulling and inspecting the BOP.

