

Case Study



Frank's AEGIS™ Tubular Protector Successfully Mitigates Torque and Friction for North Sea Operator

OBJECTIVE

An operator in the North Sea sought a solution to high friction and high torque while drilling a 9 5/8 inch by 9 7/8 inch liner.

SOLUTION

For this lateral application, Frank's installed 59 AEGIS™ Tubular Protectors onto the drill pipe, placing one tool per joint. The AEGIS™ tool offers a powerful solution to the excessive tubular wear and high torque experienced in today's complex and demanding drilling applications. By limiting contact between the wellbore wall and the drill string, the AEGIS™ tool isolates any wear to the outer sleeve of the tool while protecting the inner clamps that are attached to the drill pipe body.

RESULTS

The run was successful, and the customer was able to drill 141 feet at 80 rotations per minute (RPM) with torque at manageable levels. Frank's received positive feedback from the customer on the tool's ability to mitigate friction. This run was the second successful AEGIS™ tool trial with this customer with other deployments awarded.

BENEFITS

- Limits casing & drill string wear and reduces torque
- Does not extend the length of the original drill string
- Eliminates potential for marking pipe and de-rating drill string
- Robust design, durable for open hole applications
- Compatible with BOP stripping operations
- Compatible with wired pipe applications
- Requires fewer tools than other similar solutions on the market



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