



WWT Non-Rotating Protectors

WWT Non-Rotating Protectors Provide
Casing Protection and Heat Checking Prevention

PROTECTED CASING ON A DEEPWATER WELL WITH MPD

Executive Summary

- A deepwater offshore well had a shallow dogleg and build that resulted in needing casing protection. WWT installed 576 SS3-658-slim model NRPs. The slim version was necessary for RCD compatibility. MPD was used with 330 psi backpressure. The first section was drilled with 180 NRPs entering open hole in order for the entire casing below the mudline to be protected throughout the 8,400ft bit run.

NRP Performance:

- 12-1/4" x 16-1/2" Section (shown below): 576 NRPs, max 5,000 lbf/jt, 780 Krevs, stripped out w/ 100 psi.
- 12-1/4" x 14" Section: 485 NRPs on string, max 6,300 lbf/jt, 630 Krevs, stripped out w/ 330 psi.
- Successfully TD'd the well at 30,823ft with no casing or MPD issues. All NRPs in good condition.

