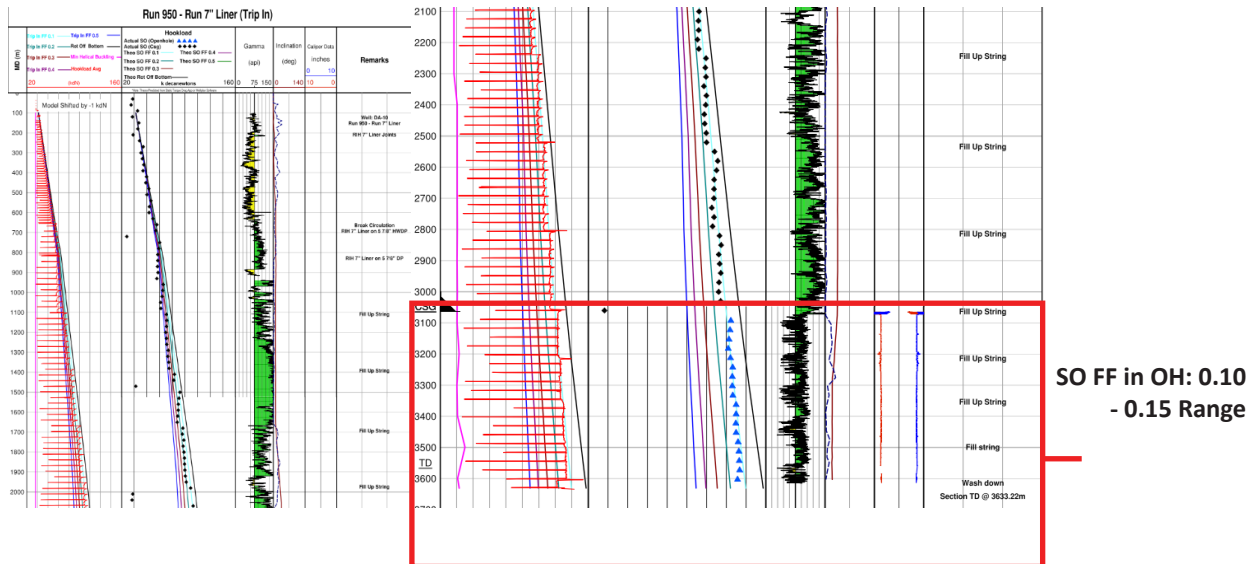


## SPIR-O-LIZER® FRICTION REDUCTION CENTRALIZER 7" X 8 1/2" (OD: 8 1/4")

**CHALLENGE:** A major operator in Brunei had been battling losses throughout the drilling phase of his 8 1/2" section and was keen to get the hole cased with as little disturbance to the well bore as possible.

**SOLUTION:** DHP was contacted and briefed as to the challenges the section had presented. It was quickly established that bow type centralizers were not suitable for this environment due to the potential disturbance to the LCM caked wellbore and high likelihood of inducing losses during RIH. The Spir-O-Lizer was selected mainly due to the very low coefficient of friction between zinc alloy and steel in SOBMs and non-aggressive blade form.

**PERFORMANCE:** The 7" liner was successfully run to TD without event, returns were as expected for metal displacement with the hole behaving, allowing the liner to be run to depth and cemented without losses.



Post analysis of the RIH charts showed that the Spir-O-Lizer had followed a 0.10-0.15 FF trend throughout the openhole section.

For further information on this tool and proposed applications, please contact your local DHP representative. Specifications may be liable to change without prior notice.