

DOWNHOLE  
PRODUCTS

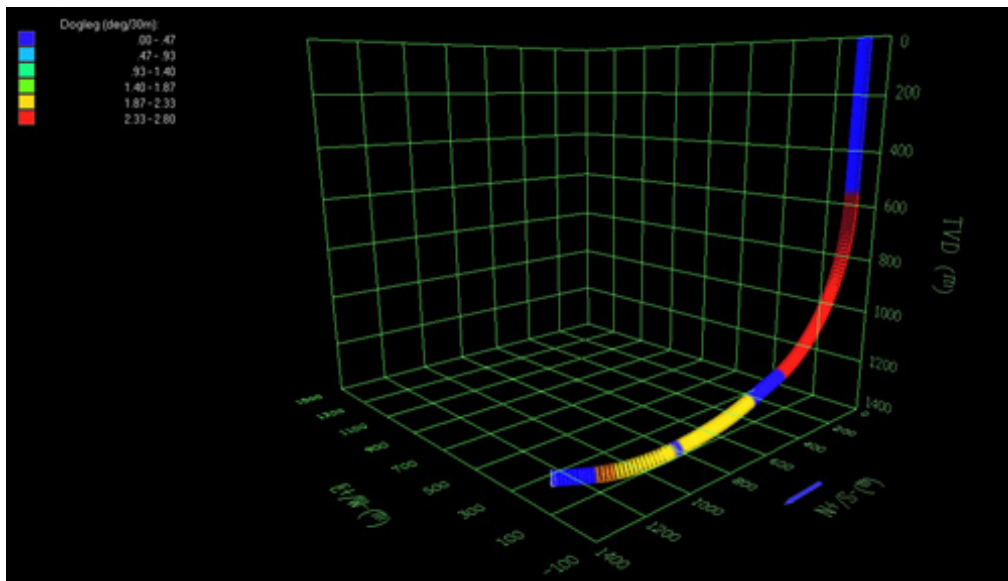
## SPIR-O-LIZER® ZINC ALLOY SOLID BODY CENTRALIZER 10 3/4" X 13 1/2" (OD: 13 1/4")

**CHALLENGE:** An Australian operator had a challenging 13 1/2" openhole section to case. Base pipe selected was 10 3/4", this in itself proved a challenge as it was difficult to find an "off the shelf" centralizer as the configuration of 10 3/4" pipe in a 13 1/2" openhole is not common and not readily available from the majority of centralizer suppliers.

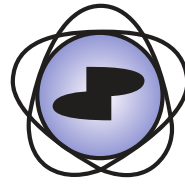
**SOLUTION:** DHP was contacted in an effort to source a suitable centralizer. Due to the manufacturing process of the Spir-O-Lizer range, die casting solid blade forms, this allows flexibility to machine the blades to very exact OD's when required. A 10 3/4" x 14 1/4" Spir-O-Lizer was machined to give a 13 1/4" blade OD to suit the application .



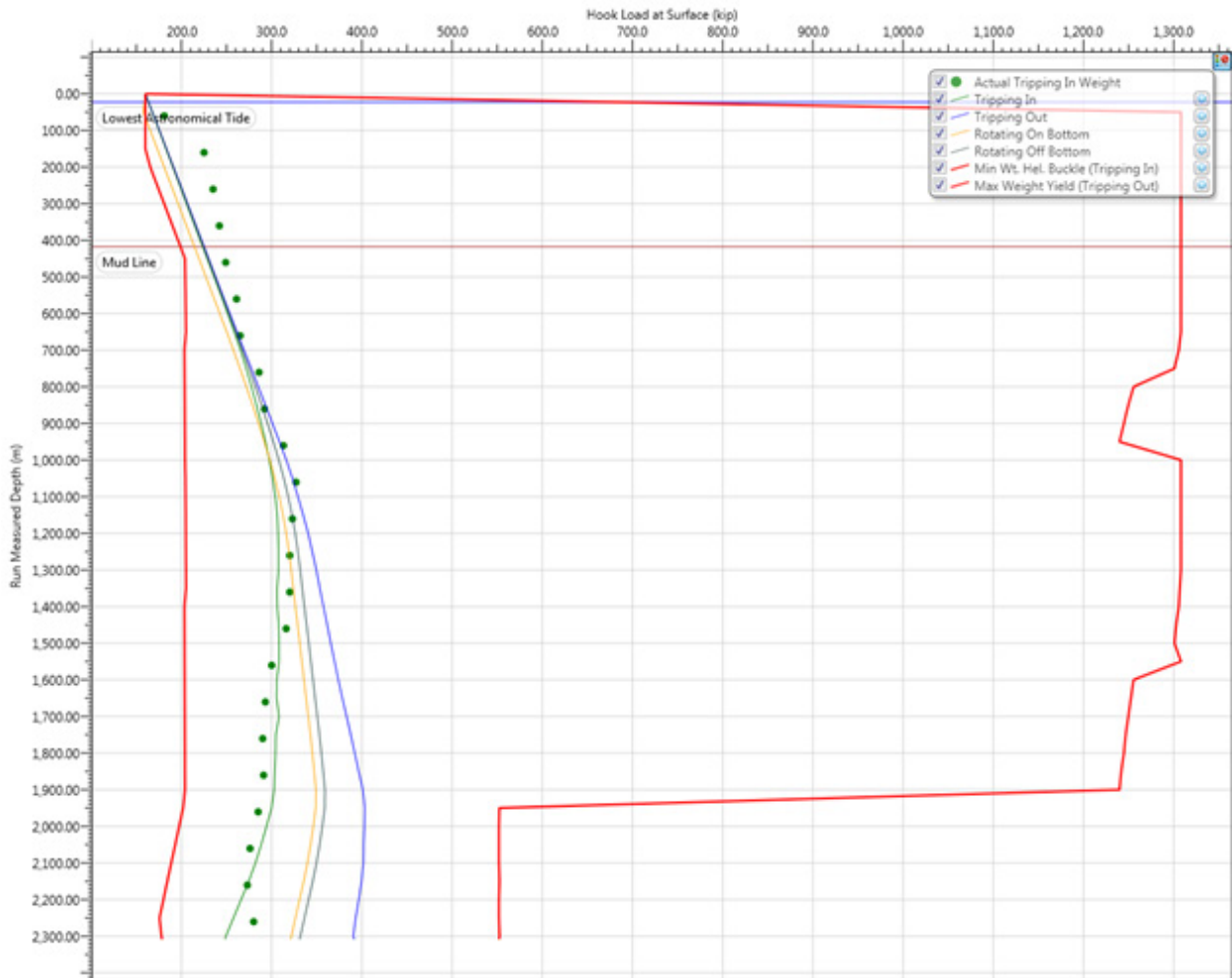
**PERFORMANCE:** The Spir-O-Lizer centralized string was successfully run to 2393m TD at an inclination of 77 deg. with an average friction factor of 0.2 for both cased and openhole being recorded.



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



## RIH CHART FOR ACTUAL RUN



The client was not only impressed with the reduction in expected drag, the ability to machine to suit the application and deliver on a 2 week lead time were also key factors in securing the work. DHP's Spir-O-Lizer range 2 7/8" thru 13 5/8" can be can be machined to suit almost any casing/openhole configuration.

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