

SUMMARY

The team at Matrix Composites and Engineering, based in Henderson Western Australia, worked closely with Vermilion in the early stages of development and testing of the centraliser materials for ERD projects. Matrix also provided bespoke design 4 1/2" centralisers for the lower tapered section to enable adequate standoff in 8 1/2" open hole.

"We are deeply proud of our relationship with Vermilion and the part we played in providing a solution that enabled the successful delivery of a technically challenging operation. Our involvement adds further depth to the growing list of technical success achieved by our range of Max-R Low Friction Centralisers, of which over 166,000 have been deployed globally to date. We congratulate the Vermilion team on another successful operation and look forward to continuing working with them further in future projects."

Jason Kent
Matrix Well Construction Product Line Manager

VERMILION B11ST1 WELL DESIGN SPECIFICATION

- **Directional Difficulty Index (DDI):** 7.31
- **Drilling step out ratio:** 5.14:1
- **Cumulative tortuosity:** 324.05
- **Lower completion step out ratio:** 5.02:1
- **Lower completion in open hole:** 2,929.75 m MD
- **Total lower completion length:** 2,967.15 m MD
- **Average open hole TVD:** 636.6 m TVDRT
- **Min open hole TVD:** 629.68 m TVDRT
- **Max open hole TVD:** 650.64 m TVDRT
- **Top window:** 780 m MDRT (638.19 m TVDRT)
- **TD well:** 3,783 m MDRT (650.64 m TVDRT)
- **TD lower completion:** 3,709.75 MDRT (647.32 m TVDRT)
- **Unwrapped well horizontal departure:** 3,275.95 m
- **RT-AHD:** 54.14 m

