



# 8" External Corrosion using Clock Spring® and Contour

## 1 Defect area

After completing a routine offshore IPS run, an 8" riser exhibited severe external corrosion spanning across the total length of the riser with up to %68 metal loss on a stretch of 13,000 mm from the splash zone up to the top side of the well head platform. Highly corroded section of the riser.



## 2 Clock Spring® contour composite Wrapping

The repair using Clock Spring and Clock Spring Contour on the bends/Flanges.



## 3 Clock Spring® contour composite Wrapping

The overall section after the repair was completed. Job was completed in 4 days by 3 certified Clock Spring installers.



## 4 Design Criteria

Operating Pressure	: 1,000 psi
Operating Temp	: 60° Celsius
Defect Type	: External Corrosion
Size	: 8"
Material	: API 5L-X52
Defect Analysis	: External metal loss scattered across the riser