Case Study

VICTUS™ Light Spiral for Drag Reduction in Unconventional Well

APPLICATION
RIH 5-1/2” Production String in a long horizontal well

TECHNOLOGY
VICTUS™ Light Spiral

LOCATION
Middle East, Unconventional Well

CUSTOMER CHALLENGE

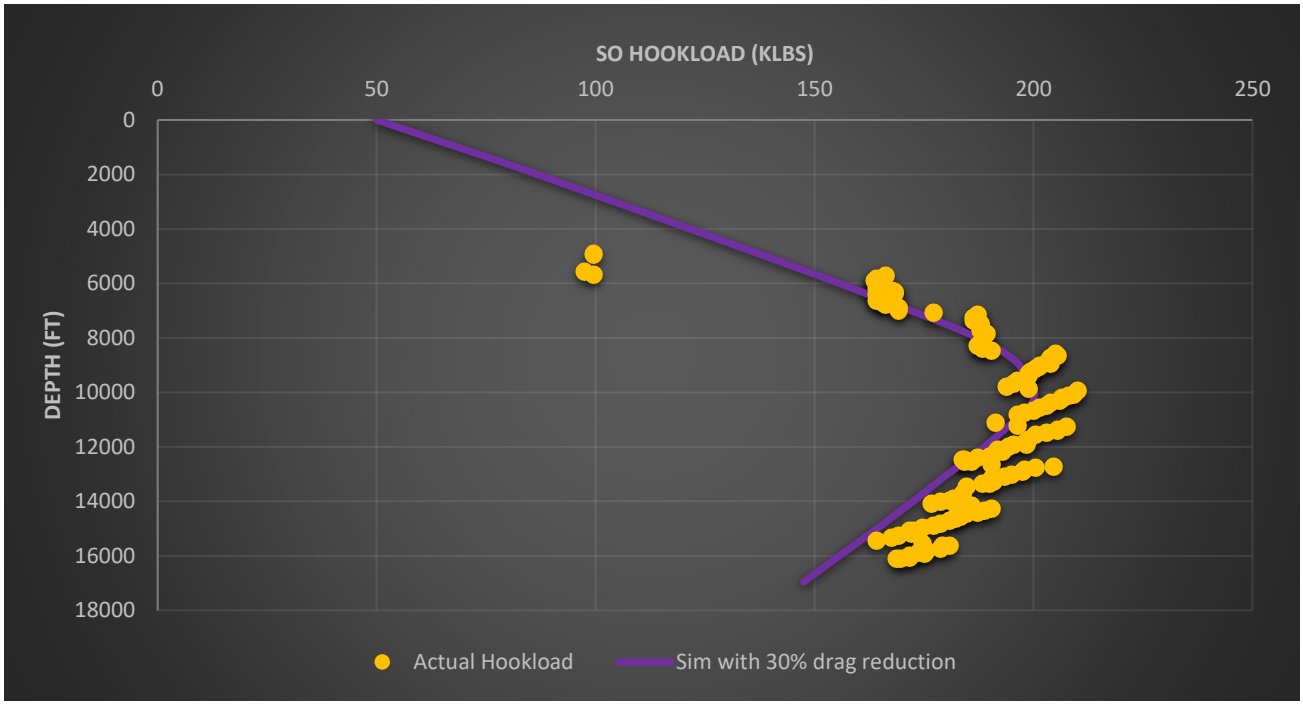
Deploy 5-1/2” production string in a long horizontal HPHT gas well. Overcome the challenges of helical buckling and high drag forces, all without the ability to circulate or rotate during RIH. Gain high standoff for good quality cement enabling efficient production.

VICTUS™ Light Spiral

CUSTOMER VALUE

Successful deployment of the 5-1/2” production string to 16964ft (~9464ft deviated to horizontal section) with solid composite centralizers - VICTUS™ Light Spiral (1/joint) in open hole (11,134ft).

SIMULATION VS ACTUAL RIG DATA



The graph shows that actual hookloads (**yellow data points**) are higher than the simulated hookload values with 30% drag reduction (**purple line**). This shows that VICTUS Light Spiral composite centralizers reduced drag of more than 30%.

VAREL ENERGY SOLUTIONS