

# BEADSCREEN high-performance erosion-resistant sand control system quickly deployed in remote location on slickline

## CHALLENGES

- High gas/oil ratio (GOR) well with extremely erosive sand production
- Inability to access the reservoir's target depth due to existing failed screens causing an obstruction
- Unmanned production platform – minimal personnel on board (POB)
- Limited riser height
- Desire for offline slickline operation
- Remote location

## SOLUTION

BEADSCREEN™ high-performance erosion-resistant sand control system was selected due to:

- Reliability in highly erosive environments where conventional wire wrap and premium screens fail easily
- Robustness of the system – greater mechanical strength than other screen alternatives

Prior to installation, computational fluid dynamic (CFD) simulation and sand retention tests (SRT) were conducted to determine sand erosion risk and optimize the screen design for the well.

## RESULTS

- Deployed quickly in less than two hours, reducing customer spend on rig time
- Increased sand free production, reducing damage to surface equipment and the associated costs of managing the produced sand
- Provided a fully customized solution after evaluating the CFD results to minimize the initiation points for erosion and maximize life span
- Optimized screen aperture selection through enhanced sand retention testing
- Deployed into a live well therefore, removed the need for expensive kill weight fluid

**"The BEADSCREEN system offers unparalleled reliability and flexibility. We customized the system to maximize inflow and production, while deploying in under two hours."**

– **Michael Stricker**  
Product Line Director, Baker Hughes