

# JABS bi-directional formation barrier reduces time and simplifies completion design

## CHALLENGE

- The customer required an efficient and reliable solution to optimize their deepwater completion design and to apply the learnings gained to more complicated and financially sensitive wells
- Replace fluid loss device and formation barrier with single solution technology to accelerate time to production

## SOLUTION

- The Jettisonable Ball Seal tool (JABS) replaced the existing fluid loss device while maintaining the customer driven objectives before isolation and after opening the well for production (complete negative pressure test and set production packer against closed JABS)
- The customer was able to conduct upper completion operations as per their standard protocol while the JABS provided a barrier to BHP

## RESULTS

- Successfully helped customer circulate in packer fluid, underbalance the tubing, set hydrostatic packer, and open the well to the formation without additional equipment
- Opened within remarkable tolerance of the design opening pressure (<3%)
- Delivered a well to production ahead of delivery times relative to analog wells



JABS can be deployed in deepwater and high-pressure (15 ksi burst/collapse), high temperature (370°F) environments, gravel-pack operations, horizontal wells, and underbalanced (10 ksi differential across the ball) conditions.