

# JABS bi-directional formation barrier deployed in open hole gravel pack test well

## CHALLENGE

- Provide a reliable post gravel pack barrier to the formation and trap pressure below
- With a water sensitive (120°F BHT) gas well, the installation was performed in a synthetic fluid with managed pressure drilling techniques to keep the well pressure high and ensure wellbore stability to enable installation and gravel packing of the lower completion

## SOLUTION

- Closure of the JABS was seamless upon completion of the open hole gravel pack, trapping an additional 0.20 ppg+ against the formation
- With a positive test to confirm isolation, the well was circulated to a conditioned fluid and the BOPs were jetted and tested prior to running in hole with the DST toolstring and subsea test tree
- The 6 5/8-in. JABS was jettisoned within 4.4% of the bottom hole design target and the operator continued its operation of unloading the well with diesel and executing a well test

## RESULTS

- JABS was successfully deployed in the test well with gravel pack assembly
- The customer was able to isolate the reservoir and safely run a DST string with external control lines
- Enabled the customer to execute cutting edge gravel placement techniques and utilized the JABS as the primary barrier and to trap pressure below
- Underbalanced to the formation, the JABS was successfully jettisoned within tolerance, and allowed the deployment of drill-stim test tools to complete well test objectives



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.