

# X-treme WindowMaster whipstock system improved tripping speeds and reduced number of runs

## CHALLENGES

- 9 5/8-in. 47 ppf casing had ID restriction caused by buckling. It would require logging and special clean-out runs to clean the restriction and to safely run conventional whipstock systems
- Milling through the casing centralizer requires longer milling times and possibly multiple milling trips
- Reduce the amount of time spent in Red Zone to assemble the bottom hole assembly (BHA)

## SOLUTION

**X-treme™ WindowMaster™ whipstock system** was selected due to its capability to:

- Improve tripping speed
- Withstand up to 100,000 lbs push/pull force for scrapping and passing through restriction
- Mill a casing window in any casing grade and any formation type

Baker Hughes pre-assembled the whipstock and the mills enabling the operator to efficiently pick up the complete assembly



## RESULTS

- Saved up to 3 days of rig time and an estimate of \$1 million USD
- Eliminated the need for logging and clean-out trips
- Picked up whipstock in 45 minutes, compared to ~3 hours for conventional whipstock
- Passed through restrictions with up to 18,000 lbs of force
- Milled window through centralizers, all in one-trip at 7,875 ft depth