

# 12 ¼-in. hole section: Optimizing tripping operations and weight-to-weight time

## CHALLENGES

- Tool failures due to downhole vibrations
- Additional wiper trips needed due to deteriorating hole conditions
- Potential for stuck-pipe events
- Inability to get casing to bottom

## SOLUTION

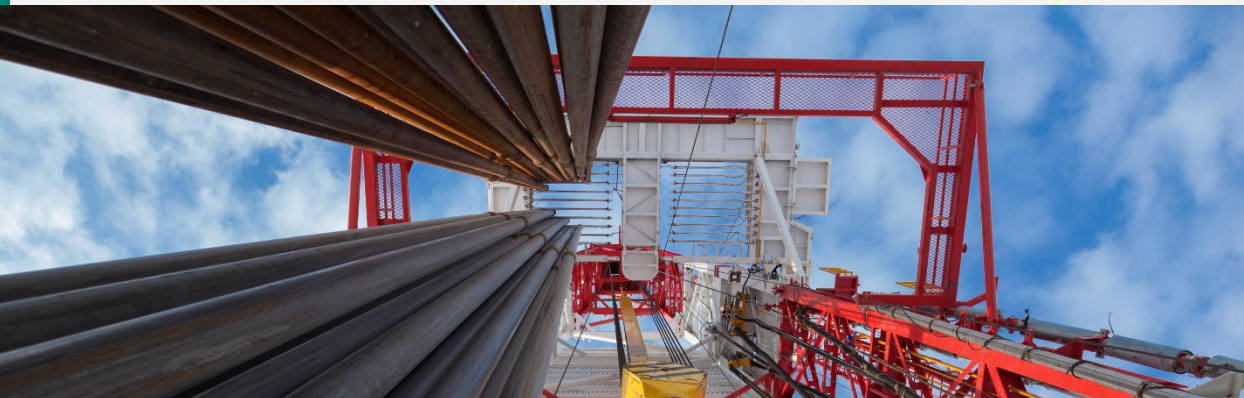
- Combination of Baker Hughes 12 ¼-in. D806S [Dynamus™](#) extended-life drill bit and [AutoTrak™ RSS](#)
- [Corva](#) and [i-Trak™](#) applications were used to monitor and improve operational performance, including:
  - i-Trak digital twin to model cutting accumulations for circulating times and sweep program
  - Corva to automate torque and drag sampling to monitor trend deviations
  - Optimized reaming times

## RESULTS

**28%**  
ROP improvement compared to previous benchmark

**15%**  
weight-to-weight time improvement compared to offset well

**11**  
hours saved by forgoing wiper trip due to good torque and drag trend from adequate hole cleaning



Weight to weight trend day/night comparison. Fifteen percent improvement from previous well.



Torque and drag trend showing consistent behavior indicating proper hole cleaning and helping to eliminate additional wiper trip

