

Optimized PermaFORCE design with Prism shaped-cutter technology saves 2-bit trips in challenging offshore application

CHALLENGES

- Drill through cemented sandstone with rotary steerable BHA
- Ratty formation with large swings in compressive strengths
- Excessive damage to cutting structure limiting bit life
- Low ROP and multiple bit trips leading to high drilling costs

SOLUTION

- 8½-in. PermaFORCE™ elite PDC drill bit
- Versatile Cutting Structure to improve stability and durability in hard, abrasive applications
- [Prism™ shaped-cutter technology](#) increases drilling efficiency without compromising durability in challenging formations
- New cutter materials technology to improve resistance to abrasive wear and impact damage

RESULTS

Drilled entire interval

in single run

29 hours

saved Avg. Rig time vs offset wells

18%

increase interval ROP



Prism™
shaped-cutter
technology

