

Apex, StabilisX shaped cutters help operator save time and costs in deepwater drilling

CHALLENGES

- Complicated deepwater build section through clays and sandstones where it was difficult to achieve desired build rates without applying excessive steering forces
- Tough, interbedded carbonate stringers
- Excessive vibrations and stick-slip encountered in offset wells

SOLUTION

- Advanced simulation modeling to identify optimal bit/shaped-cutter combination for precise steering control and superior bit stability
- 12-1/4-in. [Dynamus™ extended-life PDC bit](#)
- [Apex™ shaped-cutter technology](#)
- [StabilisX™ shaped-cutter technology](#)
- [AutoTrak™ rotary steerable drilling system](#)

RESULTS

85%
reduction in stick-slip

30%
increase in ROP

\$688K USD
estimated savings vs offset

