

Shaped-cutter combination saves time, eliminates runs vs. conventional technology

CHALLENGES

- Complex interbedded lithology containing hard rock and highly abrasive formations
- Excessive vibrations typically encountered while drilling
- Frequent cutter breakage in offset wells

SOLUTION

- Advanced simulation modeling to identify optimal bit/shaped-cutter combination for this application
- 6-3/4-in. [Dynamus™ extended-life PDC bit](#)
- [ShockWave™ shaped-cutter technology](#)
- [Apex™ shaped-cutter technology](#)

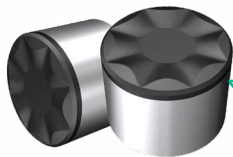
RESULTS

76%
meterage improvement
vs pad average

One run
eliminated planned bit trip

26 hours
rig-time savings vs. offset

ShockWave™
Shaped-cutter technology



Apex™
Shaped-cutter technology

