

Kymera Mach 6 extends run length, delivers lower cost-per-foot with low vibrations on RSS

CHALLENGES

- Vertical or directional section on RSS
- Resisting wear through abrasive sandstone and siltstone
- High stick slip vibrations with PDC bits
- Improving ROP in hard rock interval

SOLUTION

- [Kymera™ Mach 6 hybrid drill bit](#)
- Robust cutter layout design
- Abrasion resistant Clear Lake carbide
- Abrasion resistant PDC cutters with [CryoCut™](#) geometry
- Aggressiveness optimized with 3D Tetrahedron™ bit simulation software

RESULTS

46% farther
average distance drilled

18% lower
cost-per-foot

Low vibrations
compared to PDC bits

High ROP
achieved on RSS without a motor

