

Lucida advanced rotary steerable service drills long lateral in one run, significantly reducing rig time to beat customer target

CHALLENGES

- **Challenging formation:** Interbedded stringers caused high-frequency vibrations and bit deflection, leading to multiple trips and increased downtime.
- **Data acquisition costs:** The need for high-quality data raised drilling costs and extended offshore rig run times.
- **Trajectory control:** Poor control around stringers increased wellbore tortuosity, necessitating additional reaming and complicating drilling.



SOLUTION

The [Lucida™ advanced rotary steerable service](#) was deployed, featuring:

- **Enhanced measurement accuracy:** New electronics and hydraulic units improved steering, reliability, and extended downhole time.
- **Wellbore trajectory control:** Full inclination and automated azimuthal hold steering modes reduced tortuosity and minimized reaming needs. The tool's automation reduced downlinking, saving rig time and improving decision-making.
- **Optimized data sampling:** Less frequent downlinking improved formation evaluation data quality while keeping the well on track, increasing drilling efficiency and reducing costs.

RESULTS

5,060 ft
superior hole quality

+47% reduction
in frequency of downlinks

Fewer drilling days
with increased ROP and reduced operator cost