

Prism shaped-cutter technology drives ROP improvement in long, shale lateral section

CHALLENGES

- Challenging shale drilling environment where high-weight transfer resulted in premature BHA failures
- Long slimhole horizontal
- Limited power input from rig systems which restricted penetration rates 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](#)
- [Prism™ shaped-cutter technology](#)
- [AutoTrak™ eXact high-build rotary steerable drilling system](#)

“Once we applied Prism cutters, we could safely increase WOB to push ROP without risking tool damage. After the first application, the customer standardized the use of Prism shaped cutters on these sections in the Vaca Muerta.”

— **Andres Belloso**
Service Delivery Tech. Manager,
Latin America Region

Prism™
Shaped-cutter technology



RESULTS

One-run
lateral section

13%
ROP improvement
vs avg. offsets

29%
ROP improvement of
best run vs offset