

Formation	Utica Shale
Wellbore	8½ in
Lateral depth	19,391 ft [5,910 m]
TD	27,740 ft [8,455 m]
Drilling time	104 h
ROP	186 ft/h [56.7 m/h]

Background

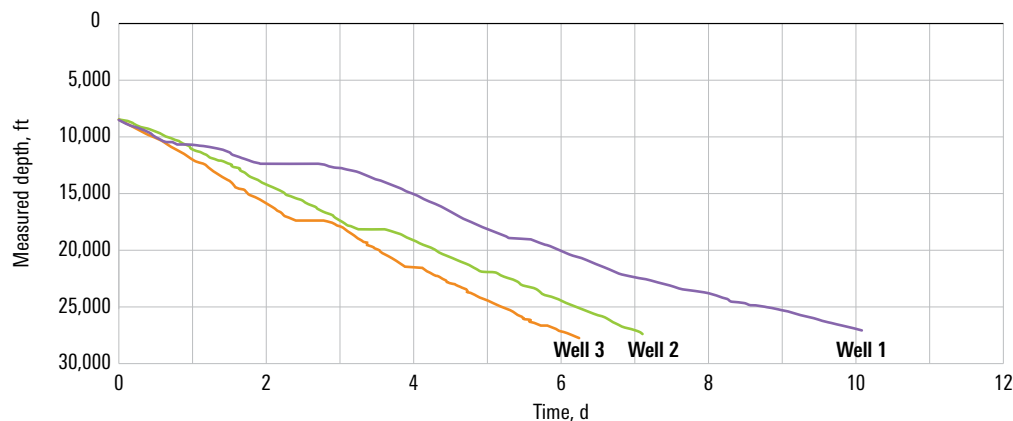
An operator planned an onshore extended-lateral well in the Appalachian basin located in Guernsey County, Ohio. The goal was to drill an 8½-in wellbore through the unconventional Utica Shale in a single run with minimum tortuosity. Schlumberger recommended using the PowerDrive Orbit* RSS in the PowerDrive vortex* powered RSS configuration. The recommendation also included using the TeleScope* high-speed telemetry-while-drilling service.

Technology

- PowerDrive Orbit RSS in a PowerDrive vortex RSS configuration
- TeleScope high-speed telemetry-while-drilling service

Operator Uses PowerDrive Orbit RSS to Drill Record Lateral in North America

Integrated technologies drill 19,391-ft [5,910-m] extended-lateral well in a single run with excellent azimuthal control



The 19,391-ft [5,910-m] lateral section was drilled in a single run with a drill time of 104 hours of on-bottom drill time and wiper trips. Drilling at an average ROP of 186.5 ft/h [56.7 m/h], the PowerDrive Orbit RSS minimized tortuosity because of its hold inclination and azimuth capability.