**Applications**
- Performance drilling
- Dual-gradient, managed pressure, and underbalanced drilling
- Increased-risk environments, including cases involving wellbore instability and narrow mud-weight windows
- Anticollision, tight-target tolerance, and vertical drilling
- Flat-time reduction

**Benefits**
- Saves rig time by reducing flat time required to take surveys
- Reduces stuck pipe and lost-in-hole incidents
- Minimizes formation stresses by limiting downhole pressure fluctuations
- Improves efficiency in applications that require increased survey frequency for trajectory control
- Eliminates up to 50% of surveying time or up to 4 hours of rig time for every 1,000 m (3,000 ft) drilled

**Features**
- Configurable delay for survey trigger
- Fast downlink to enable or disable service

The QuikSurvey* continuous-circulation directional survey service streamlines the well construction process by acquiring surveys during mud circulation. The service saves rig time for operators while reducing stuck pipe risk, especially in highly permeable formations.

Conventional surveys are typically conducted during pipe connection by cycling the pumps and waiting for survey data obtained with mud pulse telemetry. However, changes in flow rate can increase potential risks associated with wellbore stability and narrow mud-weight windows. In this conventional workflow, survey acquisition time is increased—as this time accrues over the drilling campaign, so do operating costs.

The QuikSurvey service reduces stationary time by taking definitive surveys based on collar rotation instead of using mud flow to trigger surveys. The basic workflow of the service is as follows:

1. The driller stops surface rpm.
2. The MWD tool uses an extended logic to confirm that the drillstring is stationary.
3. The MWD tool detects cessation of drillstring rotation, triggering the survey.
4. Surveying is completed, and the survey frame is sent.

The service is available with the TeleScope* high-speed telemetry-while-drilling service.

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