

SureTrak 2.0 steerable drilling liner service

Improve directional drilling and liner placement performance while controlling it in real time

The **SureTrak™ 2.0 steerable drilling liner with logging while drilling (LWD) service** from Baker Hughes makes it possible to drill through trouble zones while reducing time and risk of completing a well. By combining a rotary steerable system, liner, the **GaugePro-Echo™ on-command digital reamer**, and LWD services in a single bottomhole assembly (BHA), the SureTrak 2.0 service can drill, evaluate, and place a liner in a single run. The service is designed for some of the most challenging drilling environments, such as highly unstable overburden sections and depleted zones. The SureTrak 2.0 service is ideal for drilling low-pressure zones, unstable shale/coal layers, and formations with varying flow and pressure. Running the liner while drilling keeps the wellbore stable and eliminates the need to pull the drillstring to run casing. This reduces risks and nonproductive time (NPT), and saves the costs associated with contingency plans.

Because the liner is isolated from the GaugePro Echo digital reamer, it rotates easier than systems with reamer bits attached directly to the liner, particularly at lower RPMs. This decreases the load on the

liner, improving the life of the tool. The GaugePro Echo reamer offers exceptional directional drilling performance with improved equivalent circulation density (ECD) management. The 8¼-in. enlargement improves ECD management in the liner area and reduces reaming and circulating operations. The reamer uses unlimited activation cycles and the latest cutter technology to enlarge the wellbore diameter to accommodate the liner.

HRD-E setting tool

The pressure-balanced **HRD-E™ liner setting tool** delivers reliable, trouble-free operation in high-circulation pressures while enabling high torque for slow rotation during the drilling process.

Drill and log accurate 3D well profiles

The SureTrak 2.0 service enables accurate drilling and logging of 3D well profiles with a liner attached directly to the drillstring. The service incorporates the **AutoTrak™ rotary steering system**—the industry's most advanced rotary steerable technology—to increase drilling efficiency and improve wellbore placement.

Applications

- Drilling zones with low pressure and unstable shale/coal layers
- Formations of varying flow and pressure regimes

Benefits

- Mitigates the risk of hole collapse and formation damage by reducing open hole exposure
- Reduces NPT by eliminating extra trips and ensuring that the liner is installed at TD from the first run
- Enhances wellbore integrity by drilling with the liner, leading to the plastering effect, which reduces fluid loss and cuttings volume
- Reduces pipe handling and rigsite footprint size, lowering health, safety, and environmental (HSE) risks

Modular formation evaluation suite

The modular formation evaluation technology available with the SureTrak 2.0 service enables geologists to make critical real-time decisions while drilling through challenging zones. Multiple formation evaluation technologies can be deployed providing vital formation data. Formation evaluation measurements include pressure, resistivity, gamma, neutron, and density measurements. Drilling performance data includes underreaming data along with downhole weight-on-bit and torque-on-bit information. This wellbore data facilitates critical, real-time decisions while drilling through difficult zones.

Optimize reservoir recovery

The SureTrak 2.0 service reaches reservoirs that are inaccessible with conventional drilling technology. It enables operators to simultaneously drill through and secure trouble zones, which also decreases the risks involved with tripping casing in problematic zones.

Cost-effective drilling

Baker Hughes can deploy the SureTrak 2.0 service without the need for specialized rig equipment modifications. It drives down operational costs and safety risks by:

- Increasing ROP
- Minimizing the number of cleanout trips
- Eliminating costly stuck pipe
- Lowering fluid costs
- Reducing the amount of chemical additives needed for well control

Decrease NPT while increasing safety

The SureTrak 2.0 service eliminates the need for extra reaming or circulating time. When total depth (TD) is reached and the liner is set on bottom, there is no need for a cleanout run to get the hole in gauge or to spend hours reaming the casing/liner to bottom.

After the liner and pilot system reach TD, there is an option to cement after tripping out the inner string. By eliminating trips, pipe handling is reduced, decreasing risk and safety concerns for the drilling crew.

Contact your Baker Hughes representative to learn how the SureTrak 2.0 steerable drilling liner service can drill, evaluate, and place a liner in a single run.

