The RiskGuard™ analysis and risk management solution leverages global Baker Hughes, a GE company (BHGE), drilling experience, geomechanics expertise, and our HSE award-winning risk response platform to reduce uncertainty and drive down NPT. The solution combines subsurface services with engineering technologies and products to mitigate risks associated with abnormal pressure, wellbore instability, and other drilling-related hazards that can impact project success.

Geomechanics-based operational risk assessment

The RiskGuard solution begins with an operational risk assessment—based on geomechanical models and drilling experience—performed by a cross disciplinary team of subject matter experts. The RiskGuard assessment not only identifies risks, it also suggests right-sized, fit-for-purpose mitigation solutions.

RiskGuard solutions

The operational risk assessment provides a unified mitigation pre-drill plan developed through collaboration across multiple disciplines. RiskGuard solutions deliver proactive risk management through a single point of contact during execution for safe and stable wellbores.

The RiskGuard Pressure solution mitigates abnormal pressure-related well control issues and proactively defines safe operating windows to reduce pressure-related NPT.

The RiskGuard Stability solution establishes a safe operating drilling window, reduces effects from reactive and unstable formations, and determines drilling parameters and optimized casing points by considering drilling, formation, and geomechanical influences on the wellbore.

The RiskGuard Trouble Zone solution mitigates losses in depleted zones and enables drilling through abnormally narrow drilling margins. Technologies may include

Applications

- Abnormally pressured formations
- Horizontal and extended-reach wells
- Deepwater and HP/HT wells
- Inclined beds, faults, and unstable, depleted, and reactive zones
- Carbonate reservoirs
- Tight and fractured reservoirs

Benefits

- Provides in-depth risk analysis to reduce uncertainty and NPT
- Offers smart, preemptive, collaborative decision-making
- Acquires high-quality formation evaluation logs, improves efficiency, and reduces risk
- Uses an award-winning upstream process safety program

bhge.com
specialized fluids and advanced drilling services designed to deliver a stable wellbore safely through trouble zones.

Contact your BHGE representative for more information about how our RiskGuard analysis and risk management service can help reduce NPT on your next drilling project.