

NitroForce™ High-Torque, High-Flow Motor

RELIABLY DRILL FASTER WELLS TO REDUCE WELL TIME

OVERVIEW

As operators strive to drill faster, they require a motor that will efficiently and reliably deliver consistent shoe-to-shoe performance. The NitroForce™ high-torque, high-flow motor from Halliburton Sperry Drilling provides the power and performance to increase the rate of penetration (ROP), minimize trips, and deliver longer laterals. High-strength transmission, bearings, and elastomers enable higher torque and higher bit speeds to give the NitroForce motor the highest horsepower available. This stronger design resists fatigue to minimize trips from motor failure. The NitroForce motor has the highest flow rate in the industry, allowing faster cuttings removal to improve hole cleaning and bit speed. With the new NitroForce motor, operators can reduce non-productive time (NPT) and drill more consistent wells to increase their production and maximize asset value.

IMPROVE TOTAL WELL DELIVERY

The NitroForce motor improves ROP by providing the highest horsepower in the market and by enabling a higher weight on bit (WOB). The high flow rate, stronger transmission design, and high-strength elastomers work together to increase bit speed and torque output, which increases power. Our proprietary, mud-lubricated PDC thrust bearing design withstands higher thrust loads, enabling a higher WOB.

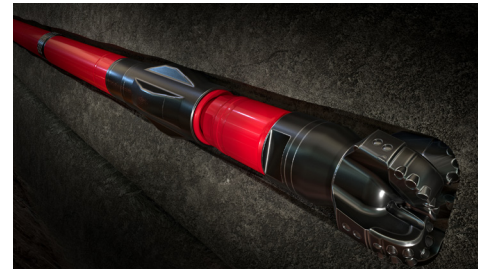
DRILL WITH CONFIDENCE

The matched system of the NitroForce motor provides optimized performance and reliability, with a power section and lower end that are designed to work together. Both the power section and lower end have a high flow rate to ensure that hole cleaning is not restricted by tool design. The NitroForce motor delivers longer runs with less wear by using the new proprietary Charge™ high-performance elastomers and the stronger transmission, power section, and bearings.

LESS LIMITATIONS, FASTER DELIVERY

By reducing the limitations from conventional motors, additional well planning and design options become possible. The extended life of the NitroForce motor enables longer laterals, over 10,000 feet (3048 meters), to help reduce costs by drilling with fewer runs and tools. Reduce runs further by drilling the curve and lateral in one run with a fatigue-resistant transmission and more reliable bearings. These stronger bearings also withstand higher side loads to enable higher doglegs.

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com



FEATURES

- » Highest flow rate in the market
- » High-strength transmission design and Charge high-performance elastomer
- » Proprietary, mud-lubricated PDC thrust bearing design
- » Dual catchers, on rotor and driveshaft

BENEFITS

Drill to Produce

- » Provides efficient shoe-to-shoe performance to maximize reservoir contact
- » Reaches drilling targets with higher dogleg capabilities

Reduce Well Time

- » Minimizes trips with longer motor life and by drilling the curve and lateral in just one run
- » Decreases well delivery times with faster ROPs from higher horsepower and WOB

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