

# Supercharged ERT and AgitatorZP

## Field Guidelines

NOV's ERT power sections are engineered to meet the demands of high-flow, high-torque applications, providing smoother drilling performance and increased ROP compared to conventional power sections of similar length and configuration.

The Agitator™ZP (Zero Pressure) system delivers the same friction reduction benefits as NOV's premium Agitator systems while eliminating pressure drop across the tool. This advanced technology conserves 500–600 psi of standpipe pressure (SPP), enabling drillers to allocate pressure where it is most effective – across the motor. As a result, the system enhances motor power output and improves ROP.

To discover the benefits of the ERT and ZP combination, consider the following:

### **While rotating:**

Unless limited by the bit/motor/ECD/other factors set out in the drilling program, slack-off WOB to achieve a motor differential of 100 psi above the offset value. Monitor drilling performance and adjust parameters as necessary. Gradually increase the WOB to generate up to 300 psi above the offset motor differential, as conditions permit.

### **While sliding:**

Unless restricted by directional considerations or other operational constraints, increase the flow rate by 10% above the rotating flow rate. Monitor drilling performance closely and adjust parameters as needed.

Further increase the flow rate by up to 20% above the rotating flow rate, as conditions allow. Continuously monitor drilling performance and adjust parameters accordingly.

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