

# AgitatorHE On-Demand Survey

### Benefits of Agitator™HE On-Demand System:

- Ability/flexibility to activate the tool as needed
- Dual Agitator systems in the string. Standard first and On-Demand further up in the string to be activated as needed
- Cost savings avoiding a trip to include an Agitator system in the string when sliding becomes critical or ROP's are low
- Weight transfer management on demand
- Flexibility to always have an Agitator system in the string “just in case”

### Non-Activated AgitatorHE On-Demand System benefits:

- Low pressure drop across the tool (50/100 psi un-activated)
- Reduced stress on pumping equipment
- Improved MWD signal decoding with larger bypass ID
- Capability to pump higher flow rates – increase ROP
- Reduction of axial oscillations on surface equipment (vertical application)
- Minimal ID restriction (tool is NOT fish-through capable; high risk of internal component damage)

### Activated AgitatorHE On-Demand System benefits:

- Efficient weight transfer and directional control
- Improve drilling efficiency rotating and sliding
- Reduction of stick slip and torsional vibration with RSS BHA's
- Reduce/minimize friction losses
- Maintain ROP's in long lateral sections (10k-20k ft laterals)
- Increase ROP in curve and lateral sections
- Reduce torque and drag
- Consistency of weight transfer and torque response
- Performance increase with same drilling parameters
- Reduce/eliminate hanging issues in vertical applications
- Reach TD every time