

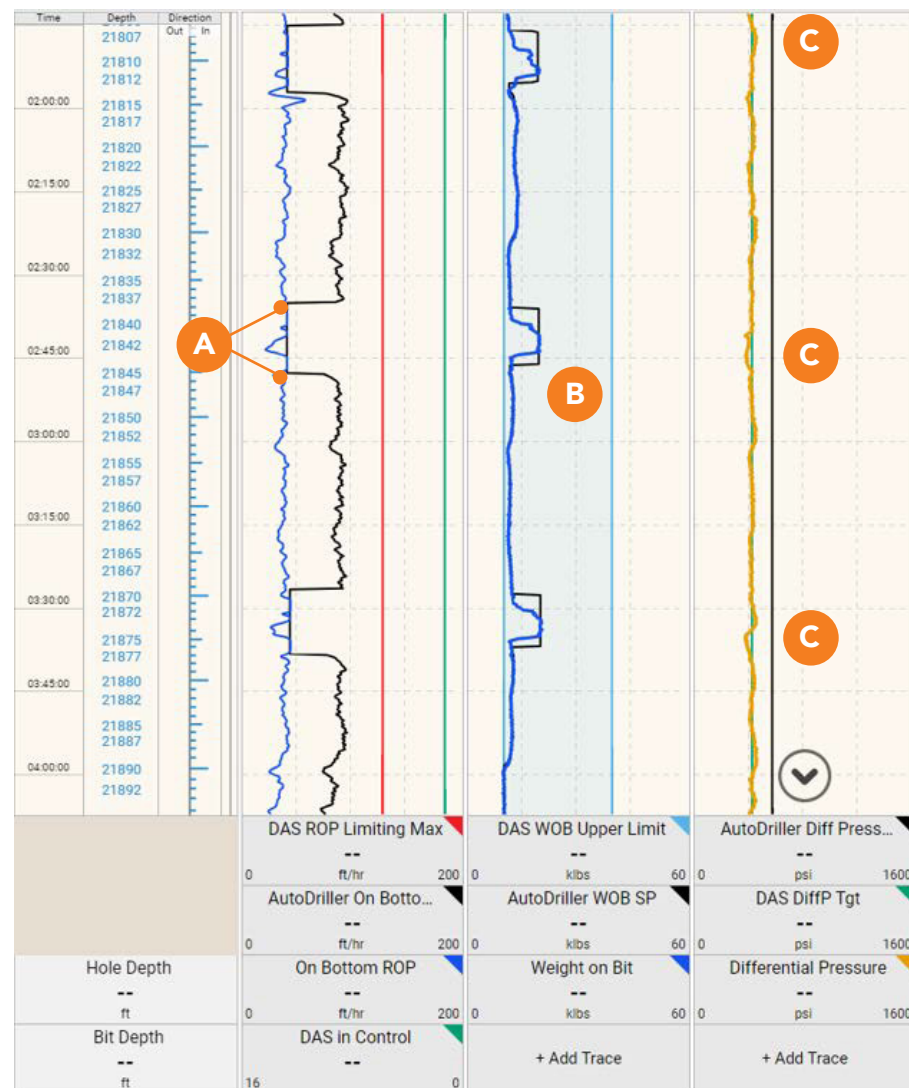
Rotating Control Device (RCD) Handling

KEEP YOUR BIT ENGAGED WITH PASON DAS

- Our patented technology applies additional surface WOB to compensate for larger diameter tool joints passing through the Rotating Control Device (RCD).
- Limit the drop in differential pressure, maintaining cutter engagement.
- Benefit from consistent bit torque, improved ROP, and reduced risk of vibration.

HOW IT WORKS

- A** ROP is clamped while tool joints are passing through the RCD (as seen with the black strip chart line). This prevents excessive WOB.
 - Max ROP (red)
 - AutoDriller ROP Setpoint (black)
 - On Bottom ROP (blue)
- B** WOB increases to compensate for the tool joint.
 - WOB Limits (blue shaded)
 - AutoDriller WOB Setpoint (black)
 - WOB (blue)
- C** Differential pressure remains consistent as the tool joints pass through the RCD.
 - Max DiffP (black)
 - DiffP Target (green)
 - Differential Pressure (orange)



US Patent 10,876,390 B1, Canada Patent 3 077 714