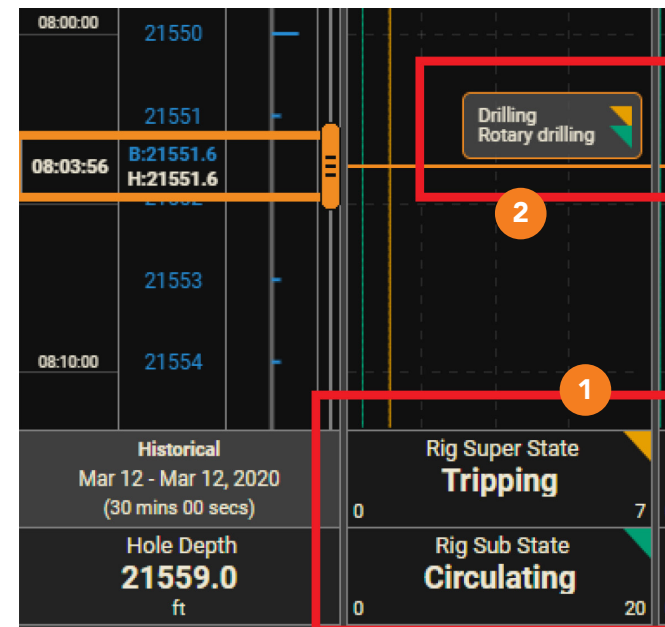


Rig State Traces (EDR 19.4 and higher)

The EDR includes two traces you can use to determine the rig's state at a specific time or depth: **Rig Super State** and **Rig Sub State**. The super state describes activity at a high level, while the sub state provides more detail. These traces are available on the EDR, DataHub, and Pason Live in full 1-second frequency. The rig state traces display the following numbers that correspond to specific activities.

		Super State					
		0	1	4	5	6	7
		Unknown	Drilling	Transition	Out of Hole	Pre-spud	Tripping
Sub State	0	Unknown	●	●	●	●	●
	1	Rotary Drilling		●			
	2	Sliding		●			
	3	Connection		●	●		●
	4	Static		●	●		●
	5	Circulating		●	●		●
	6	Washing		●	●		●
	7	Reaming		●	●		●
	10	Pulling out of hole (POOH)					●
	11	Running in hole (RIH)					●



If you're using Pason Live, the real-time **1** and reading bar **2** values are automatically displayed in text form, so you can easily see the activity with the need to reference this table.

Super State	Description
0 Unknown	We can't determine the rig state.
1 Drilling	Drilling activity occurring at, or near, hole depth
7 Tripping	Pipe is being withdrawn and the bit is moving toward the surface, or pipe is being added and the bit is moving toward hole depth.
4 Transition	Bit is within one stand of the hole depth and may be in-between drilling and tripping. No drilling or tripping is occurring.
5 Out of hole	Bit is at, or near, the surface.
6 Pre-spud	Hole depth is 0. Drilling hasn't started.