

Modelled Bit Depths	Buckling while Rotating			
	Without HW		With HW	
	DWOB / Buckling Depth	Component buckled	DWOB / Buckling Depth	Component buckled
24280 (TD)	31 (16689)	DP @ 15866' (823' from bit)	28 (19985)	DP @ 18143' (below the HW, 1842' from bit)
22600	31 (15091, 19797)	DP @ 14930' / 18926 (161' / 870' from bit)	22 (18896)	DP @ 15230' (below the HW, 3667' from bit)
21000	31 (15092)	DP @ 14930' (161' from bit)	31 (19398)	DP @ 17960' (below the HW, 1437' from bit)
20000	31 (15092)	DP @ 14930' (161' from bit)	24 (18898)	DP @ 15230' (below the HW, 3667' from bit)
18000	24 (15393)	DP @ 15184' (208' from bit)	28 (15393)	DP @ 15184' (below the HW, 208' from bit)
16000	29 (15799)	DP @ 15306' (492' from bit)	33 (15799)	DP @ 15306' (below the HW, 492' from bit)