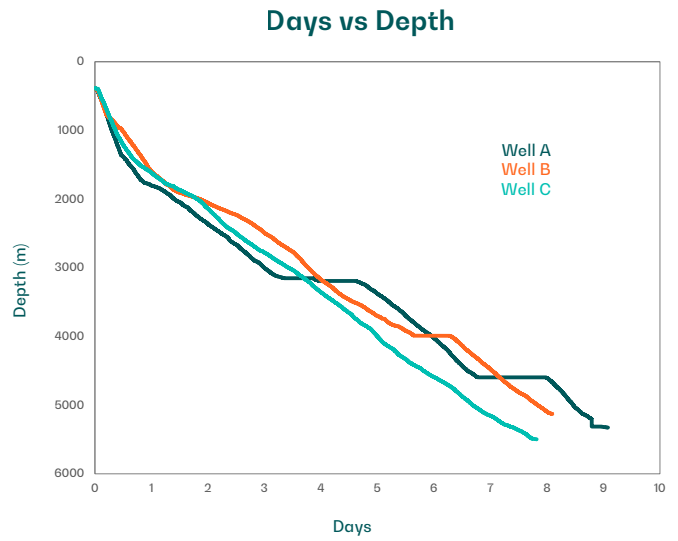
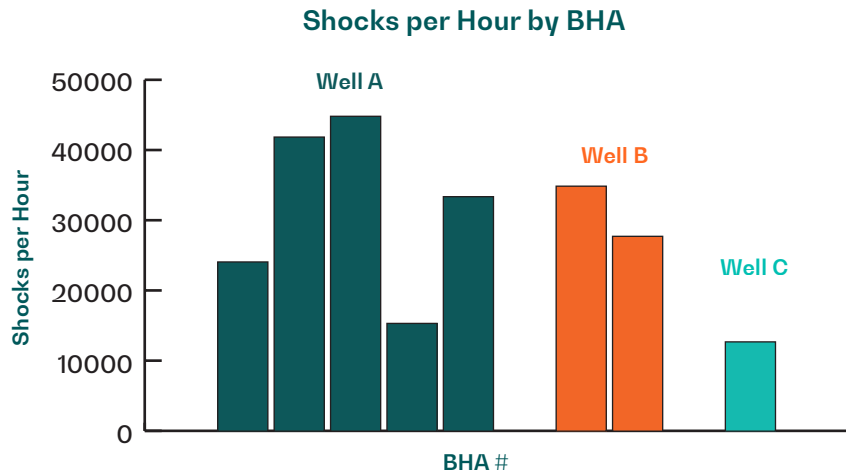


Run Summary

Well A	<p>Competitor</p> <p>The production section of Well A was drilled with a total of 5 BHAs.</p>
Well B	<p>None</p> <p>The production section of Well B was drilled with 2 BHAs. Run 1 had no vibration mitigation tool and run 2 had a Mechanical Thruster.</p>
Well C	<p>Mechanical Thruster</p> <p>The production section of Well C was drilled in a single run and a Mechanical Thruster was included below the mud motor.</p>



Results



- The BHA with the Mechanical Thruster below the motor received the fewest number of shocks per hour.
- The maximum peak shocks the BHA received was lowest on the two BHAs with the Mechanical Thruster.
- The BHA with the Mechanical Thruster below the motor successfully drilled Well C in one run.

Well	BHA #	Vibration Mitigation Tool	Pumping Hours	Shocks per Hour	Max Shock (G)
A	1	Competitor	74.17	24,109	346
	2		49.47	41,828	330
	3		29.44	44,775	500
	4		71.09	15,388	624
	5		69.39	33,371	624
B	1	None	128.63	34,860	624
	2	Mechanical Thruster	46.61	27,744	281
C	1	Mechanical Thruster	172.06	12,762	283