

\$130k
POTENTIAL COST SAVINGS

24.5
HOURS SAVED

1
SINGLE BIT RUN TO TD

The Thruster provides consistent force to bit by balancing hydraulic and mechanical forces. This balance provides smooth energy transfer to the bit, even in erratic situations. By providing consistent parameters, the Thruster reduces shock and vibration, BHA damage and failures.

THE CHALLENGE THE SOLUTION

An operator was experiencing DBR bits while drilling the 159 mm lateral sections. They were seeking to increase the life of the bit and reduce drilling time.

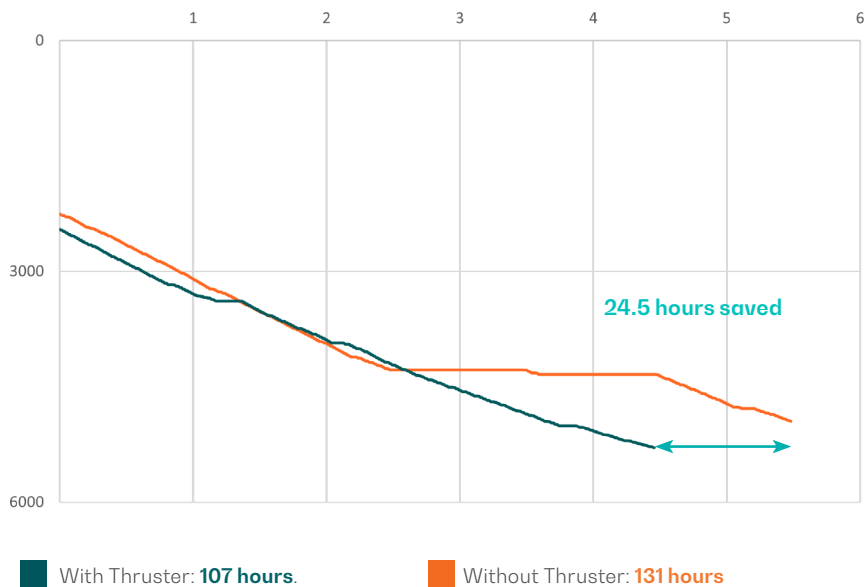
Evaluated drilling performance and recommended adding the 5" dual acting Thruster (MT6-500) with a medium stiff spring configuration to the BHA. The MT6-500 was added above the MWD. The BHA consisted of a PDC bit, mud motor and MWD.



THE RESULT

Single bit run achieved utilizing the MT6-500 compared to 2 bit runs without any shock and vibration mitigation tool. Utilizing the MT6-500 lead to a reduction of 24.5 hours in the lateral section.

DEPTH VS DAYS



RUN OVERVIEW

- 6 1/4" PDC Bit
- Mud Motor
- UBHO
- Flex Monel
- Thruster
- Drill Pipe x1
- Reamer

Well	Bit Number	Depth In (m)	Depth Out (m)	Total Drilled (m)	Drilling Hours	Total Drilling Hours
With Thruster	1	2,454	5,292	2,838	60	60
No Thruster	2	2,254	4,282	2,028	38.25	63.75
	3	4,282	4,948	666	25.5	



No Thruster



With Thruster