

Mechanical Thruster: 6 1/8" Lateral Sections

STACK, Oklahoma



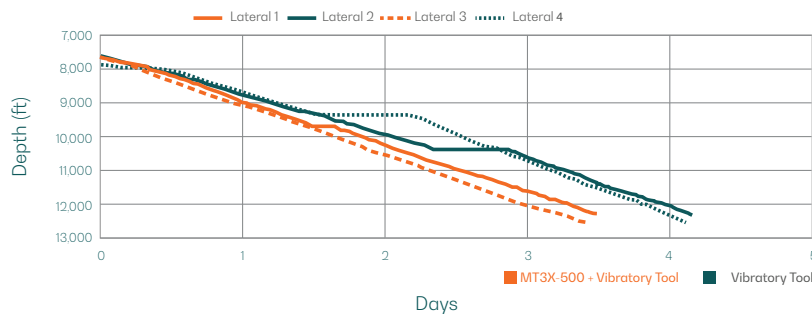
Are you getting maximum effectiveness from your vibratory tool or is it restricted by an overly stiff string?

Applying a Mechanical Thruster at the BHA allows the shock tool at your vibratory tool to extend and compress as planned and allows the string in between the two to move axially, breaking friction and moving more effective weight to it.

Case Summary

The following four 6 1/8" laterals were drilled in Kingfisher County, Oklahoma. The Cougar Mechanical Thruster, MT3X-500, was added in two of the laterals, to work in conjunction with the vibratory tool.

Days vs. Depth—6 1/8" Lateral Sections



Well	Total Drilled (ft)	# Bits	Bit Hours	ROP (ft/hr)	Total Slide (ft)	Slide %
Lateral 1	4,659	1	62.0	75.1	401	8.61
Lateral 2	4,722	2	86.5	54.5	720	15.25
Lateral 3	4,892	1	65.9	74.2	179	3.66
Lateral 4	4,891	1	80.5	60.7	256	5.23

*Same type of drill bit and mud motor used in all laterals.

30%
Decrease in Bit Hours

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25%
Increase in ROP

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MT3X-500 BHA Placement

BHA	OD
Bit	6 1/8"
Mud Motor	5"
MWD	4 3/4"
Cougar Thruster	5"

