

## 31% FOOTAGE INCREASE IN 6.75" LATERAL

Ward County, TX USA

**\$200k**  
TOTAL COST SAVINGS

**1**  
TRIPS SAVED

**62**  
DRILLING HOURS SAVED

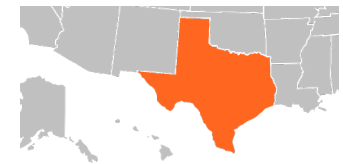
TAQA's patented Threlix is designed to assist operators in mitigating drilling dysfunctions in rotary steerable applications. Threlix® balances down-hole torque against weight on bit to a consistent depth of cut while eliminating stick slip and HFTO, responsible for bit DBRs, RSS, MWD and LWD failures, and unnecessary trips.

### THE CHALLENGE

An operator in the Delaware Basin was looking to increase ROP and reduce damages to BHA components.

### THE RESULT

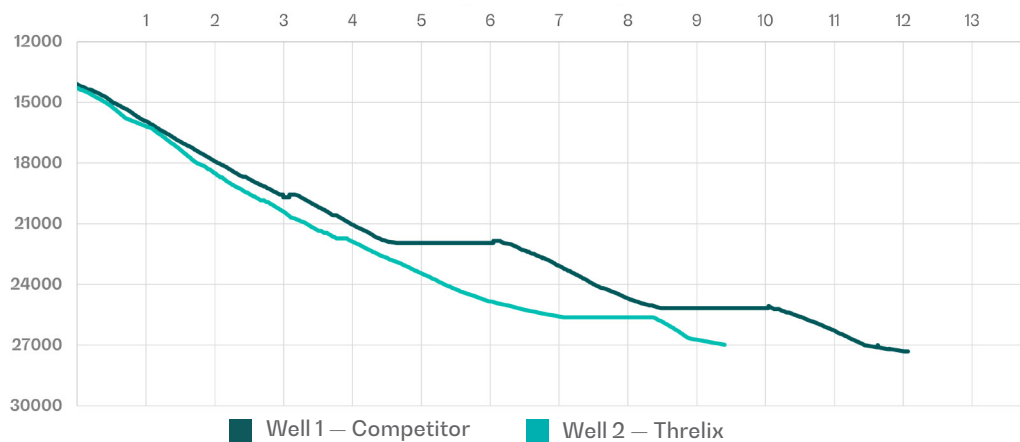
The 1st BHA with Threlix was able to drill 3,500 ft further than the offset one. Total bit runs were reduced from 3 to 2, which translated to 2.6 days of rig time (62 hours). Total cost savings over \$200,000 (estimated \$100k/day total costs in curve/lateral)



### THE SOLUTION

Evaluated drilling performance and recommended adding the 5.25" Threlix to the BHA. The Threlix was added directly below the motor. The BHA consisted of a RSS, MWD and mud motor. Two wells were compared head-to-head on the same pad.

Days vs Depth



#### BHA

- 6.75" PDC Bit
- RSS
- MWD
- Threlix
- Mud Motor

Well	BHA	Depth In	Depth Out	Total Drilled	Hours	ROP (ft/hr)	Tool
Well 1	1	14,225 ft	21,940 ft	7,715 ft	102.0	75.6	Competitor
	2	21,940 ft	25,165 ft	3,225 ft	53.5	60.3	
	3	25,165 ft	27,306 ft	2,141 ft	42.5	50.4	
Well 2	<b>1</b>	<b>14,408 ft</b>	<b>25,622 ft</b>	<b>11,214 ft</b>	<b>159.0</b>	<b>70.5</b>	<b>Threlix</b>
	2	25,622 ft	26,979 ft	1,357 ft	25.0	54.3	Competitor