TAQA

THRUSTER
SUCCESS STORY

Single Run Curve-Lateral Achievement

Lavaca County, Texas

117
AVERAGE ROP FT/HOUR

3.5
TRIPS SAVED

12K
TOTAL FT DRILLED IN A SINGLE RUN

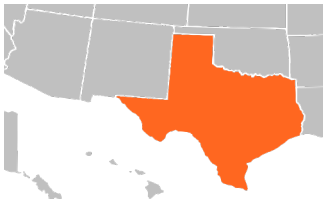
The Thruster provides consistent force to bit by balancing hydraulic and mechanical forces. This balance provides smooth energy transfer to the bit, even in erratic situations. By providing consistent parameters, the Thruster reduces shock and vibration,BHA damage and failures.

THE CHALLENGE

Operator was seeking to reduce the number of trips required for drilling operations while simultaneously increasing motor and MWD reliability. Traditional drilling methods in offset wells required multiple trips to complete the curve and lateral sections, resulting in increased operational time and costs.

THE RESULT

Successfully achieved the operator's primary objective by drilling the complete curve and lateral section in a single 2.4-mile run.



Key performance metrics included:

- Drilled 12,318 ft continuously without trips
- Maintained average ROP of 116.95 ft/hr
- Operated reliably at temperatures up to 320°F
- Saved 3.5 trips compared to offset wells (Well B and Well C required multiple BHA runs)
- Maintained excellent bit condition (Grade 1-1) throughout the entire run

THE SOLUTION

TAQA's expert application team conducted thorough analysis of offset wells in the area and recommended the optimal Thruster positioning and settings customized for the specific drilling requirements.

BHA OVERVIEW

- 8.75" PDC Bit
- Motor and MWD systems
- Filter Sub
- 6.75" Thruster

Performance through wells A, B, C