THRUSTER
SUCCESS STORY
BIT LIFE INCREASE IN 9 7/8" INTERMEDIATE SECTION
Haynesville, Louisiana, US

$90k
POTENTIAL COST SAVINGS

1
BIT TRIP REMOVED FROM SECTION

26%
REDUCTION IN DRILLING DAYS

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

An operator was consistently drilling 9 7/8" intermediate sections in the Haynesville using three (3) bits. They were seeking to increase the life of the 1st bit in order to make it past the Cotton Valley formation, and reducing the drilling program from 3 to 2 bits.

THE SOLUTION

TAQA evaluated the drilling performance requirements and specific objectives with the client's drilling team and it was recommended to add the 8" Thruster with a standard spring configuration to the BHA. The Thruster was added on top of the mud motor and below the MWD to increase its efficiency.

THE RESULT

The initial two intermediate sections were drilled with 2 bits each, and both first runs made to the Cotton Valley formation. The Thruster successfully helped the client accomplish the objective.

Intermediate 1 – Bits

Bit #1 1,851' – 8,815'

Bit #2 8,815' – 10,598'