

Bit Life Increase in 9 7/8" Intermediate Section

Haynesville

Mechanical Thruster



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.

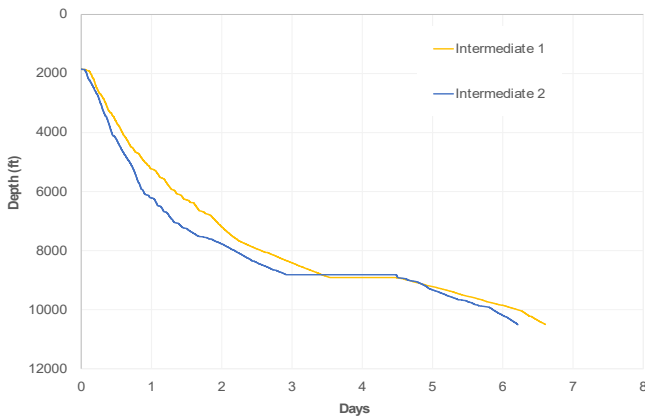
Application

Cougar DS evaluated the drilling performance requirements and specific objectives with the client's drilling team and it was recommended to add the 8" Mechanical Thruster (MT6-800) with a standard spring configuration to the BHA. The MT6-800 was added on top of the mud motor and below the MWD to increase its efficiency.

Results

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

Days vs Depth
9 7/8" Intermediate Sections
Caddo Parish, Louisiana



Objective:
2 Bits per Section



Intermediate 1 - Bits



Bit #1
1,851' - 8,815'



Bit #2
8,815' - 10,508'

