Case Study

TTS PDC Bit

TTS PDC Bit Milled 59 Plugs in a Single Run
Case Study No. 3401

RESULTS:
A customer in the Marcellus Shale was looking for a solution to optimize their completion efforts while reducing costs. Specifically, their goal was to mill an extensive number of composite bridge plugs utilizing a single BHA. In response to this objective, Thru Tubing Solutions developed a proprietary bit using premium PDC cutters. TTS was able to engineer the PDC Bit to provide a more stable cutting structure that can withstand the demanding drilling environments. This bit was used to mill out 59 composite bridge plugs in a single well, reaching a depth of 17,311’ (5276m). Operating a single BHA, each plug was milled out in an average time of 29 minutes. Thru Tubing Solutions’ ability to provide a custom tailored solution assisted the customer in meeting their goal.

DETAILS:
Location: Pittsburgh, PA
Formation: Marcellus Shale
Casing Size: 5 1/2” 20#
Conveyance: 2 7/8” PH6
Operation Depth: 17,311’ (5276m)
Well Orientation: Horizontal
Tools Used: 2 7/8” Titan Max Milling Assembly

HIGHLIGHTS
• Customized Solution
• Stronger Cutting Structure
• Milled 59 plugs with 1 BHA
• Utilizes Premium PDC Cutters