

Case Study

TTS PDC Bit

TTS PDC Bit Milled 59 Plugs in a Single Run

Case Study No. 3401

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

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.

HIGHLIGHTS



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