



Record Milling Time Done on 49 Baker 10K Composite Plugs

Case Study: The operation involved the completion of a horizontal well located in the Bakken which consisted of a 47 stage frac with two kill plugs totaling 49 Baker 10K composite plugs to mill out. There were operational concerns because of the number of stages of the well. The concerns included cost efficiency related to possible motor failure motor stalls, mill inefficacy and multiple trips to complete the drill outs.

Challenge: To mill out 49 Baker 10K Composite Plugs that was set inside of 4 1/2" Casing 11.6# and to accomplish this in only one trip, with one mud motor, and one mill using a work over rig.

Solution: Extreme Energy Services decided to utilize a BHA consisting of a 2.875" OD Extreme Evenwall Mud Motor with a Five Bladed Honey Comb Inserted Mill to accomplish the task at hand.

Results: All 49 Baker 10K Composite Plugs were milled in 34.5 hours with an average mill out time of 8.5 minutes per plug. This entire process was successfully completed with one 2.875" OD Extreme Evenwall Mud Motor and one mill.

Maximum performance and efficiency obtained

Using a BHA consisting of a 2.875 Extreme Evenwall Mud Motor with a Five Bladed Honeycomb insert mill. The first 34 plugs were drilled in an amazing time of 24 hrs, and the last 15 were drilled within 10 ½ hrs. The total drill time from the tag of the first plug to TD (total depth) was an incredible 34.5 hours. As a result of proper BHA selection and application the entire process was completed with one motor and one mill. Amazing! The efficient performances of Extreme Energy Services exceeded the customers' expectations by reducing their projected drill out cost by 40%!

