

Case study: North Dakota, Williston Basin

DuraMax motor saved over five drilling days on three laterals

>5

Drilling days saved

40%

Reduction in drilling time

35%

Improvement in ROP

An operator in North Dakota's Williston Basin was looking for ways to improve drilling efficiency. This operator had been using motors from a competitor along with a few runs using motors from Baker Hughes. Baker Hughes proposed to the operator a trial of its new **DuraMax™ 5-1/8-in. D100-5130P motor**.

The DuraMax motor delivered a record-breaking performance on the first run. The lateral was drilled in 1.94 days (from drill-out to total depth), which was the fastest lateral drilling time on this rig. This was equal to a 40% time savings, and an increase of 35% in rate of penetration (ROP), compared to the average well drilled on this rig.

In all, three runs were completed with an average run time of just over two days each, delivering "Mile-A-Day" drilling performance and saving more than five drilling days total for this operator.

The operator was impressed with the performance of the DuraMax motor and requested Baker Hughes to use it 100% of the time on three of their rigs.

Lateral section days vs depth

