

CASE HISTORY

SDI SETS ANOTHER BAKKEN WELL RECORD

APPLICATION

Horizontal Drilling,
Drilling Optimization

TECHNOLOGY

High Speed Mud Pulse,
Radial Gamma 360°

LOCATION

Stoughton,
Saskatchewan, Canada

CUSTOMER CHALLENGE

Cost control remains a primary driver for continued operations. The Client wanted all of their wells to be drilled faster and more efficiently, saving money on each well in order to justify higher operating costs associated with Top Drive driven rigs.

SDI was challenged to deliver wells in under 5 days.

SCIENTIFIC SOLUTION

The SDI Team analyzed the data from the previous well and determined the operating parameters to deliver better performance.

Building on the previous success of effectively utilizing SDI's High Speed Mud Pulse Falcon MWD to take full advantage of the reduced survey times that Top drive rigs can provide, a 3000m horizontal well was delivered safely in 4.97 days, beating the previous best record of 5.13 days (also delivered by SDI).

This is the first project to achieve the Operator's target of less than 5 days from spud to rig release.

CUSTOMER VALUE

SDI has consistently provided experienced personnel who are dedicated to the Client's project and continue to set new benchmarks for performance, quality, and cost.

By providing equipment, recommendations and guidance to achieve optimal drilling parameters and wellbore placement, SDI has once again delivered tangible gains across all hole sections with average ROP's of 127.7 m/hr in top hole, 29.7 m/hr in the build section, and 135.2 m/hr in the lateral.

This is the first well of this design to be delivered in under 5 days spud to rig release. SDI is proud to be credited with this and other recent record setting successes within the Bakken formation and have been awarded an additional rig as a direct result of its accomplishments.

Subsequently, a 3176m Bakken well was delivered in 4.85 days! Per the Client:

"Congratulations on drilling the new [field] Bakken pacesetter! The consistent effort and hard work of the whole Team on [rig] has really been demonstrated across the board. It is amazing to see the constant improvements you guys continue to achieve. It speaks volumes to the communication and Team work of everyone involved. Keep up the great work!"

Bakken Shale Well - Canada

