

CASE HISTORY

BENCHMARK BAKKEN WELL DELIVERED

APPLICATION

Horizontal Drilling,
Drilling Optimization

TECHNOLOGY

High Speed Mud Pulse, Radial Gamma 360

LOCATION

Kisby, Saskatchewan,
Canada

CUSTOMER CHALLENGE

With cost control being a primary driver for continued operations, the Customer wanted the wells drilled faster and more efficiently, saving money on every well in order to justify higher associated operating costs with Top Drive driven rigs.

SDI was challenged to minimize survey times on these rigs while maximizing on-bottom time and ROP.

SCIENTIFIC SOLUTION

One identified potential cost savings has been our survey times, particularly with potential increased utilization of Super Singles and Top Drive conversions. After successful trials on Super Singles and Kelly rigs for the customer, SDI was awarded one of the few Top Drive Double Rigs in the area.

By effectively utilizing SDI's Falcon High-Speed MP MWD system to take full advantage of the reduced survey times a Top Drive can provide, several pacesetter wells have now been drilled. Most recently, SDI completed a 3000m Horizontal well in 5.4 days, then repeated with delivering another in 5.13 days. The Operator's previous best was just under 6 days (spud to rig release).

CUSTOMER VALUE

SDI has consistently provided experienced personnel dedicated to the Customer's project. With the robust SDI Falcon High-Speed MP MWD system, we saved 3-5 mins per connection vs. our competitors, delivering 8 hours in overall drilling time savings between the build and lateral sections. By providing recommendations and guidance on running maximum optimal drilling parameters, we contributed to a Team environment realizing tangible gains in all areas, firmly establishing a partnership with our customer.

Customer Testimonial: *"They (SDI) have since contributed to several recent benchmarks in Spud to Rig Release, at 5.4 days followed by 5.13 days on our 3000m Bakken wells, with further improvements anticipated."*

