

CASE HISTORY

FALCON MP SAVES TIME AND MONEY IN THE WILLISTON BASIN

APPLICATION

Horizontal Drilling

TECHNOLOGY

Falcon MP MWD
(High Speed Mud Pulse)

LOCATION

Williston Basin

CUSTOMER CHALLENGE

The customer was planning to drill a series of horizontal wells in a formation known to be abrasive. They were under pressure to reduce operational costs by eliminating excessive downtime (NPT) and optimize drilling efficiency.

SCIENTIFIC SOLUTION

In order to reduce time and increase footage, Scientific Drilling focused on streamlining the survey process and delivering superior reliability. SDI provided the Falcon MP, which enabled the survey to be taken during the connection, with the survey data transmitted as drilling began again, as fast as 5 bps. This process allowed surveying to be conducted without additional operational downtime.

CUSTOMER VALUE

SDI was instrumental in helping the customer drill a record well in the Bakken (10.6 days from Spud to TD of 19,334 ft). SDI's Falcon MP's efficiency led to increased footage per day and lowered the customer's total cost per foot. This well had an average footage rate of \$130/ft, compared to \$217/ft for laterals at similar lengths. The Falcon MP's efficiency and reliability helped the customer realize a 40% reduction in cost.

