

Case Study

XRV G3 - Extended Reach Tool

XRV G3 Helps Milling Operation Average 5 min/plug in 10'200' Lateral
Case Study No. 4102

DETAILS:

Location:	McKenzie County, ND
Formation:	Bakken
Conveyance:	2" Coiled Tubing
Casing Size:	4-1/2" 13.5#
Kick Off Point:	10,200'
Total Measured Depth:	20,448'
Well Orientation:	Horizontal
Fluid:	Water
Type of Operation:	Composite Plug Drill Out
Number of Plugs:	29 Plugs
Tools Used:	2-7/8" TTS Milling Assembly 2-7/8" XRV^{G3}

RESULTS:

Utilizing Thru Tubing Solutions' Milling Assembly in conjunction with the XRV^{G3}, TTS was able to successfully mill out 29 composite plugs.

The XRV^{G3} provided constant vibration, allowing the BHA to overcome friction and maintain 5 min mill times to reach TD with positive WOB, at 20,448'. The low differential pressure allowed for an increase in flow rate as the BHA reached the long lateral section; the increase in annular velocity aided in circulating all plug debris to surface keeping a clean wellbore. This extended lateral mill out was completed in just over 24 hours

HIGHLIGHTS



- Averaged 5 min/plug
- Maintained Positive WOB
- Eliminated Friction
- Low Differential Pressure



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