

Case Study All Metal Motor

Only Well Completed in a Single Run; 9 Well Pad

Case Study No. 4002

DETAILS:

Location:	Horn River, BC Canada
Formation:	Dilly Creek
Casing Size:	5 1/2" 20#
Conveyance:	2 3/8" Coiled Tubing
Operation Depth:	4635m (15,207')
Well Orientation:	Horizontal
Fluid	Pond Water with FR, Inhibitor and Gel
Operation Type:	Milling Composite Bridge Plugs
Tools Used:	2.87" OD 4.7 Stage All Metal Motor

HIGHLIGHTS



- No Temperature Limitations
- No Fluid Restriction
- Reliable Performance
- Exclusive Innovative Design

RESULTS:

The customer planned to mill composite bridge plugs on a 9 well pad while trialing different BHA options to optimize milling operations. A variety of BHA components were trialed as well as milling techniques. Due to the high bottom hole temperature (145°C, 293°F) and complex fluid system, Thru Tubing Solutions' **All Metal Motor** was the perfect solution for this milling environment; with no elastomers or fluid/temperature restrictions. The **All Metal Motor** was the only motor to successfully complete the well in a single run; milling 17 composite bridge plugs and outperforming three other motor designs. The customer was able to minimize time spent in hole and reduce the number of trips to complete the well.