

All Metal Motor

Frac Port Milling with Cardium Crude Oil



HIGHLIGHTS

- No Elastomer
- No Fluid Restriction
- Reliable Performance
- Exclusive Innovative Design

DETAILS

Location	Drayton Valley, AB Canada
Formation	Pembina
Well Orientation	Horizontal
Casing Size	4 1/2" 11.6#
Fluid	Cardium Crude and Xylene
Conveyance	2" Coiled Tubing
Operation Type	Horizontal
Operation Depth	8,491 Ft
Tools Used	2.87" OD 4.7 Stage All Metal Motor

OBJECTIVE

Customer planned to mill out a 10 stage frac port system using Cardium Crude Oil and then placed 10m3 (63bbbls) of Xylene across the lateral section.

RESULTS

Due to the harsh fluids, a standard elastomeric power section would not be suitable for this operation. Thru Tubing Solutions' All Metal Motor was the perfect solution for this milling operation; with no elastomer in the power section, fluid composition and bottom hole temperature do not affect the performance or longevity of the motor. All 10 frac ports were milled successfully with an average mill time of 32 minutes.

VALUE TO CLIENT

TTS' All Metal Motor allowed the customer to carry out the milling operation as planned and eliminate additional trips in hole.

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