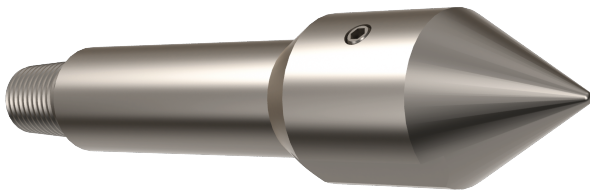


# TTS Abrasive Technology

Successfully Cuts 4 3/4" Collar on Stuck Drilling Rig



## HIGHLIGHTS

- Perform an internal cut on a 4-3/4" Monel drill collar in the horizontal leg.
- Deployed the cutting BHA to the required depth and pumped a gelled sand mixture.
- Achieved a smooth OD and ID surface, facilitating subsequent fishing operations.
- Avoided washover and jarring operations, reducing fishing and rig costs

## DETAILS

Location	Swan Hills, Alberta, Canada
Cut Depth	3,868 ft
Fluid	Gelled CaCl
Conveyance	1 1/2" Coiled Tubing
Tools Used	2.13" OD Motor Head Assembly 2.25" OD Bladed Stabilizer (No-Go) 1.70" OD Pump Thru Extension Bars 1.70" OD TITAN Motor 1.95" OD Abrasive Cutting Head

## OBJECTIVE

To make an internal cut inside of a 4-3/4" Monel drill collar using the TTS Abrasive Cutting System; thus maximizing the length of fish retrieved from the wellbore. The collar was in the horizontal leg.

## RESULTS

After landing the cutting BHA at the required depth, pumping of a gelled sand mixture began. An increase in pressure and flow rate in the casing annulus gave indication that the collar had been compromised. The cut resulted in a smooth OD and ID surface, allowing for ease of additional fishing operations.

## VALUE TO CLIENT

The use of Thru Tubing Solutions' Abrasive Cutting System averted washover and straight jarring operations saving both fishing and rig costs. Thru Tubing Solutions was able to minimize the well possession time by utilizing the Abrasive Cutting System as well as providing viable options to traditional fishing methods.

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