



From:  
Shawn Gelsinger  
COO, Narwhal Exploration

To:  
Russell Messer  
President, Complete Tubular

Russ –

I offer this letter as a token of appreciation for the support Complete Tubular has provided and recognition of the performance of the DUO connection over several years of use during my time as Drilling Superintendent for [REDACTED].

We were using the 4.5" DUO to support our Duvernay asset near Fox Creek, Alberta on multiple rigs, both 1500hp AC Triples as well as older-style SCR Triples. Our program consisted of 1-6 well pads, with wells typically ~2300mTVD / 7500m MD.

When we had swapped to the DUO, we had been experiencing washouts at connections and were looking into the drill string geometry to optimize tool joint size as part of our comprehensive hole cleaning strategy. Implementing DUO, we were able to solve both problems.

The string was easily adopted by the Precision Drilling rig crews after brief training, and the accessory package of stabbing guides, subs, saver subs, crossovers, etc provided by Complete Tubular helped to give the crews all the tools for success

The pipe performed well to the first inspection at approximately 90,000m drilled. The repair rate was far lower than the [REDACTED] pipe the string had replaced; with the exception of 3-4 joints all repairs were made on site. The second inspection was performed after another ~75,000m drilled, with very similar outcomes.

The inspection results were great, but the best part was all the discussions over drill pipe disappeared. With the DUO connection the pipe silently did it's job, and allowed the onsite team to focus on flawless execution and establish a leading position for well execution in the Duvernay.

These results in Canada caused me to again request the DUO as I transferred to the Permian and ran it on multiple rigs.

I do hope we can look at a string in Alaska in the near future.

Thanks  
Shawn

A handwritten signature in black ink that reads "Shawn Gelsinger".