



To whom it may concern,

I'm happy to share my experience with the 400DUO drill pipe connection.

We've run this connection in demanding conditions on many extended reach lateral wells up to 7300m at varying TVD's with some very tortuous build sections, and overall it has been very reliable. From a field standpoint, it's handled the tortuous well paths, high drilling torque, and tensile loads well, and we haven't experienced any connection-related failures. Make up/Break out is consistent and predictable, which makes things smoother on the rig floor and helps reduce the risk of human error caused damages.

The design itself is solid and robust. It distributes load well and stands up to repeated use, even when drilling conditions aren't ideal or high variances in torque are seen. It's performed the way we expect a premium connection to perform.

From an inspection standpoint, we drilled roughly 400,000 meters with or last string and had very minimal re-cuts required throughout the life cycle of the string. We've seen very little galling or deformation when the pipe is handled properly. That's translated into fewer repairs, lower maintenance costs, and a longer usable life for the connection overall.

We've been pleased enough with the performance that we recently purchased a replacement string with the same 400DUO connection. The need to replace the string was due to tube body corrosion and was not due to any tool joint or connection concerns. We decided to stay with the 400DUO connection based off our field results as well as low repair rate and maintenance costs.

For clarity, I have nothing to gain from your decision — I'm simply passing along our experience. From our side, the 400DUO has been a dependable and durable connection, and one we're comfortable continuing to run.

If you'd like to discuss anything in more detail, feel free to reach out.

Jeff Derrick

Drilling Superintendent



2700, 525 – 8th Avenue S.W.

Calgary, Alberta T2P 1G1