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October 2, 2013

**Excalibre Downhole Tools Ltd.**  
**5007 23RD AVE S.E.**  
**Calgary, AB, CANADA FC T2B2J7**

Attn: Mr. Ted Moore

Dear Mr. Moore

This letter summarizes the results of the torsion test requested by Excalibre Downhole Tools Ltd. on 9/24/2013. Below is a summary and brief description of the test procedure and the results of testing.

**Procedure:**

A sample part identified as a 9-5/8" CTA torque anchor was shipped to our facility, installed and tested on our torsional testing machine. The sample was prepared and tested in the following manner:

- A metal flange was welded to the female threaded end of the CTA tool. The assembly was then installed onto the torsional testing machine. The tool sample was then placed inside a sample casing supplied by Excalibre.
- The test was conducted by incrementally loading the tool with a controlled torque rate until either the part failed or the machine reached its maximum capacity.

**Results:**

The attached graph is a plot of the torque (ft/Lbs) vs angle (degrees). The torque was applied at a uniform rate until a load of 16,880 ft/Lbs was achieved. This is the maximum capacity of the machine. Note that the specimen did not fail.

Please feel free to contact me regarding these results at any time.

Thank you,

A handwritten signature in blue ink that reads "Andrew Dickson".

Andrew Dickson  
General Manager  
adickson@markwilliams.com



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**Test Results:**

Test 2 – 9-5/8" CTA Torque Anchor – No failure. Machine max at ~16970 ft/Lbs.

