

Driller Vane

Status: Filled

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Roque Oue Ou3 (ue O).4iTd [7.27w0l2.(ue O) 0 Td [(E) (ue O)IOSon 6 (,.oe1.15TJ 09 oversight. The standard vane test is very old school: the mechanical system is manually hand cranked and data is drawn on a piece of wax paper. The idea is to replace this system with a 21st century vane system that would have the following specifications: - System can be easily operated by drillers on site, with the client standing by - The vane would be motorized (reducing the need for manual hand-cranking) - Load cell mounted on the vane to output torque data - data is to be transmitted wirelessly to an app on the client's phone or tablet in real time. - ConeTec would have no involvement in the data; the client is fully responsible for monitoring data on their handheld device while the test is being performed. After the test is complete

Month 5 – Would like to see the prototype / proof of concept to ensure basic functionality is working, will provide feed back

Month 6 – PCB design / mechanical design design / ongoing application work

Month 7 – PCB design / mechanical design / ongoing application work –