



## PRESS RELEASE

### PTC LAUNCHES FREEWARE WELL PERFORMANCE SIMULATOR FOR JET PUMP WELLS

OILFIELD well technology specialist PTC, has launched a freeware well performance simulator for Jet Pumped wells. The software is accessible, at no cost, on the PTC website, <https://www.apps.ptc.as>.

It allows Petroleum Engineers and Well Designers to easily predict the performance of oil production wells under jet pump lift. It also allows them to run sensitivities to predict the impact of variables such as power fluid pressure, volume and density on the well performance. The tubing size and the jet pump setting depth and its throat and nozzle sizes can also be optimised for any given application.

Explaining the decision to make the software freely available, PTC UK's Managing Director said "Until now, only a few jet pumped well performance simulators were commercially available, but they were somewhat cumbersome to use and the jet pump specific input data was often also very specialist. As a result, Jet Pumps tended to get overlooked by engineers when choosing an artificial lift method".

He went on to say, "This is crazy, because jet pumps can be installed and retrieved using inexpensive wireline intervention techniques and with no moving parts down hole they are rightly regarded as the most reliable of all artificial lift methods. As a result, in many applications they are the most cost effective lift method available. However, because engineers don't have readily available and easy to use tools to model them, they are overlooked".

He also explained that "Jet Pumps were often erroneously thought to be only applicable in low rate wells, but this is categorically not the case, in fact he was aware of a subsea well that had been producing under jet pump lift to an FPSO at an oil rate of approximately 20,000 stb/d for over 5 years, with no interventions and minimal downtime".

In a further move to de-mystify jet pumps, Tom also told us that "PTC have developed what is probably the world's first fully functional Perspex jet pump, which allows clients to see inside the jet and observe jet pumping in action". A video of the device can be seen on the PTC website [www.PTC.as/media/jetpump](http://www.PTC.as/media/jetpump) video. PTC will also be demonstrating the device at this years Oil Show in Aberdeen in September.

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