

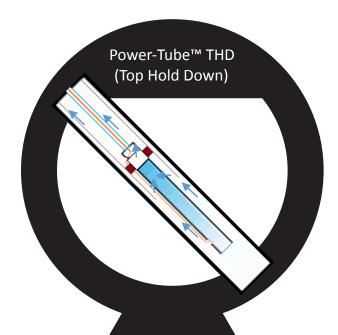
Notes



Power-TubeTM ESP

A Petrospec Patented Technology

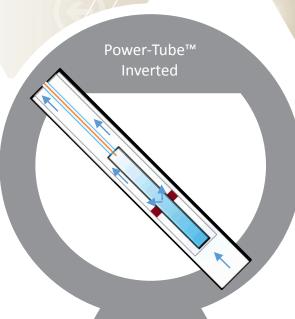
Rapid + Rigless + Live = Cost Effective and Safe ESP Completions



*Thru tubing Completion *Standard ESP Configuration



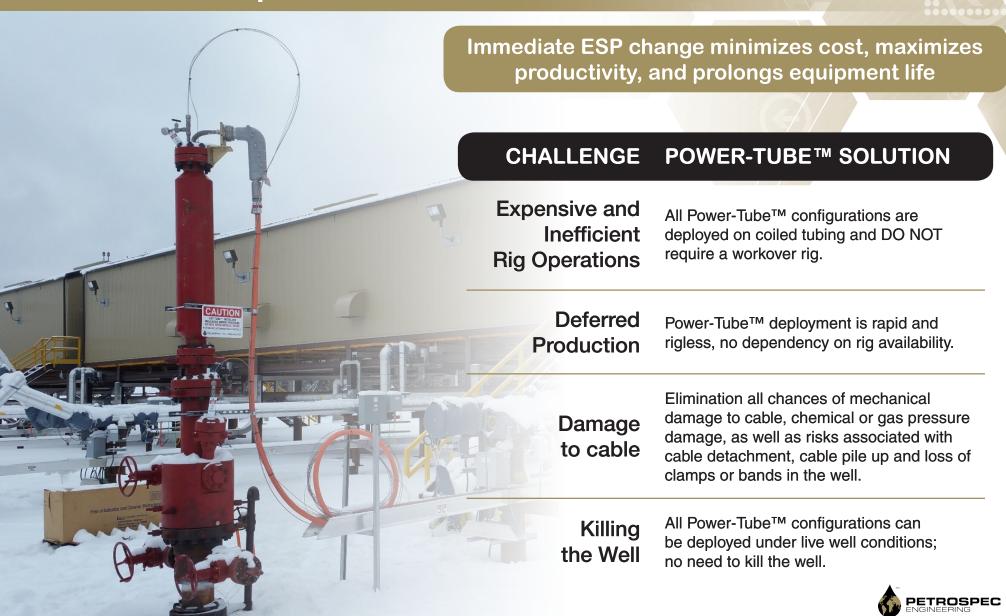
*Replaces
Production Tubing
*Standard ESP
Configuration



*Thru Tubing
Completion
*Inverted ESP
Configuration
*External Lubrication
*Superior Motor Cooling
*MLE Eliminated



Value Proposition



Completion Options



Power-Tube™ THD (Top Hold Down)

Components of the ESP assembly are run in the conventional configuration. This system may be run as a through tubing completion or as a through casing completion. Either way, isolation between pump intake and pump discharge is achieved through the use of a pump seating nipple and hold down tool or through the use of a packer.

Power-Tube™ PRO

This system is a conventional through casing ESP completion with integrated annular coiled tubing production path. A Power-Tube™ ESP power cable string is installed inside a larger diameter coiled tubing string. The annular path between the two coiled tubing strings becomes the production path.

Power-Tube™ Inverted

Components of the ESP string are inverted relative to the way in which they are conventionally deployed. This system may be run as a through tubing completion or a through casing completion and intake and discharge may be isolated through the use of a pump seating nipple and hold down tool or through the use of a packer. A positively pressured external lubrication system may be optionally added.



Success Story - Alaska



- Challenging remote operations
- ESP installed and operational in 3 shifts
- Live well operation
- Eliminated massive rig mobilization cost
- High profile well was brought back online with minimal deferred production



Total Solution – Continual Support



Petrospec Engineering provides complete turn-key systems from designing, manufacturing, and installation, to final system commissioning data management and software tools. The breadth of products, full range of installation options, and ongoing customer support has made Petrospec the preferred source when seamless implementation of high temperature reservoir monitoring is desired. System installations are completed with a full system performance assessment and detailed commissioning report.

We offer 24/7 technical support and can mobilize field service personnel on demand.



For more information

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