Multizonal production management and selective control of multiple zones are achieved with Schlumberger’s IntelliZone Compact modular zonal management system, the first fully integrated intelligent completions system for multizone wells.

Less than 9 m (28 ft), this downhole system brings together in one compact unit an advanced design and production modeling engine, a fully integrated intelligent completion module, and a user-friendly remote operating system. Selective well control capabilities are enhanced through the automatic power unit that enables simultaneous control in real time. The system can be installed in up to 15 zones using only five hydraulic control lines, the company said.

IntelliZone’s hydraulic multidrop module allows for flow control valves to be deployed on fewer hydraulic control lines compared to traditional intelligent completion systems, according to Schlumberger. The monitoring system within the intelligent completions system is a dual-gauge station that provides annulus and tubing pressure and temperature measurements in proximity to the fluid entry points. The system also provides the absolute position of the flow control valve choke. Slb.com/intellizone.