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Eni and Halliburton Achieve Industry First With Closed-Loop Rig Automation in Deepwater Indonesia

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HOUSTON--(BUSINESS WIRE)--Jul. 9, 2026-- Halliburton (NYSE: HAL) today announced the successful deployment of LOGIX™ automation and remote operations on a deepwater exploration well with Eni offshore Indonesia. The operation marks a series of industry and regional firsts that advance closed loop drilling automation and demonstrate performance at scale in complex offshore environments.

Global integration of full rig automation with Managed Pressure Drilling (MPD) marked the first deployment of this capability in Asia Pacific. Halliburton combined rig surface equipment, automated well placement, downhole hydraulics, and MPD controls into a connected, closed loop automated system. The LOGIX™ Orchestration service coordinated drilling and tripping execution in a single workflow that removed the traditional separation between drilling execution and pressure management. The integrated approach delivered consistent performance and reliable pressure control in wells with narrow operating margins.

“LOGIX Orchestration coordinates drilling decisions in real time for surface, subsurface, and downhole systems,” said Jim Collins, vice president, Sperry Drilling, Halliburton. “When we integrate rig automation with MPD, we close a critical gap and give operators better control, consistency, and performance in complex wells. This deployment proves the model scales in a deepwater environment.”

The collaboration brought together Eni’s operational expertise and Halliburton’s automation solutions to align drill floor control, sub surface automation, and pressure management within a single system. The successful introduction of LOGIX automation and remote operations to Indonesia operations highlights the strength of this collaboration and the shared ability to scale digital well construction.

The operation delivered measurable performance improvements. LOGIX Orchestration coupled with MPD improved efficiency by more than 15% and maintained well control in a narrow operating margin environment.

This milestone builds on momentum from Halliburton’s recent closed loop automation deployment in multiple offshore operations and reflects increasing customer demand for automation that advances from decision support to real time execution. The deployment strengthens Halliburton’s position in drilling automation and expands awareness of its differentiated automation capabilities for deepwater developments internationally.

ABOUT HALLIBURTON

Halliburton is one of the world's leading providers of products and services to the energy industry. Founded in 1919, we create innovative technologies, products, and services that help our customers maximize their value throughout the life cycle of an asset and advance a sustainable energy future. Visit us at www.halliburton.com; connect with us on LinkedIn, YouTube, Instagram, and Facebook.

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