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U P S T R E A M

ENOVATE UPSTREAM PARTNERS WITH *DIVERSIFIED WELL LOGGING* TO REVOLUTIONIZE THE OIL & GAS INDUSTRY USING ARTIFICIAL INTELLIGENCE AND ROBOTICS

HOUSTON, TEXAS – Enovate Upstream has partnered with **Diversified Well Logging (DWL)** to create a new operational model – **AI Surface Measurements While Drilling** – a move that will disrupt the oil and gas (O&G) market with an innovative approach to reservoir characterization that applies physics-based artificial intelligence (AI) in a cloud-based digital ecosystem to robotics technology. The alliance gives O&G clients real-time automation and remote operations, bringing 21st century technology to an industry often thought reluctant to modernize and digitize. The results are clear: improved workforce safety, reduced operational costs, enhanced data analysis/usage and increased operational efficiencies.

Enovate Upstream – a cutting-edge technology company founded and operated by experienced O&G executives and research leaders – provides its cornerstone feature in the proprietary cloud-based ADA AI™ digital ecosystem, the only one of its kind in the industry that uses AI at every stage of the upstream value chain. Diversified Well Logging – a well-respected O&G service company focusing on geological and drilling measurements – provides robotics to improve costs and efficiencies associated with reservoir characterization. The pair have successfully deployed the novel service to clients in unconventionals and offshore deep-water projects and are currently expanding internationally.

Clients receive much-needed optimization achieved through digitization at the wellsite, significantly reducing the logging requirements per well drilled and resulting in:

- Optimization of expensive downhole logging requirements through AI measurements
- Decreased amount of wellsite personnel and transportation
- Reduction of the need for downhole radioactive sources and lithium batteries

Decreases in transportation for tool and personnel mobilization also means a significant reduction in carbon emissions per well drilled. A conservative estimate of the impact in the US alone equates to 48M tons of carbon; that equals an approximate $1.5 Billion annual cost. Automated remote sample collection is done through the tool RoboLogger, which collects and stores samples providing direct elemental analysis of the cuttings as they pass through the system – and game-changing approach in which clients remotely control and view the samples vis-à-vis the robotic tool.

According to David Tonner, CEO of Diversified Well Logging, "Now more than ever, our customers are searching for ways to improve their capital efficiency and reduce their carbon footprint. Automation, robotics and AI are becoming an increasingly important part of our lives. The mudlogging business has been collecting and analyzing samples in the same way for over 100 years and its methods are increasingly less relevant. Surface Measurement While Drilling offers a critical lower cost, lower risk and environmentally friendlier alternative."

The legacy physics and logging technology that has been used for the past 70 years creates a significant amount of extra costs in the form of non-productive time, tool failures and hidden costs. However, the current market conditions drive the need for improvements in financial and sustainability for the O&G industry to transition into the digital era. The shift of operational processes, once thought too costly and resource intensive, is a necessary change for many E&P clients that need to remain competitive in a post-COVID-19 market.

"The industry is still using physics developed in the 1950s and 1960s," explains Camilo Mejía, CEO at Enovate Upstream. He added: "Modern physics powered by AI optimizes operational costs while providing proactive decision-making in both offshore and onshore operations. A more efficient capital expenditure in offshore and a more intelligent financial performance in unconventionals are the outcomes of this technology when it is widely adopted."

AI Surface Measurements While Drilling is built into the ADA AI™ DIGITAL DRILLING™ module, one of three modules in the ADA AI™ digital ecosystem that also includes:

- DIGITAL COMPLETIONS™
- DIGITAL PRODUCTION™

ABOUT ENOVATE UPSTREAM
Enovate Upstream – headquartered in Houston, Texas with offices in the UK and Colombia – is the only hybrid technology company that is operated by experienced executives and research leaders from the oil and gas (O&G) industry. The company was founded to transform the industry through digitalization with a mission to improve efficiency while increasing production and profits regardless of market conditions. The company's state-of-the-art, cloud-based ADA AI™ platform is the only one of its kind in the industry that uses artificial intelligence at every stage of the upstream value chain. ADA AI™ is intuitive, flexible, reliable and tailor made to meet customers' needs. Enovate Upstream developed the ADA AI™ Platform to provide O&G companies with reliable decision-making tools using scientific, engineering, and financial data – providing capital efficiency and production enhancement at every stage of the well from drilling, completion to production. The ADA AI™ Platform also works to reduce carbon emissions throughout the value chain. For more information, please visit http://www.enovateupstream.com/.

ABOUT DIVERSIFIED WELL LOGGING
Founded in 1952 Diversified Well Logging, LLC., began its operations in the Gulf of Mexico - offshore Louisiana - and expanded by moving into land-based operations during the unconventional boom. A critical component of staying relevant and competitive in multiple market conditions is DWL's drive for innovation, automation, and improved efficiency. Houston-based DWL is active in the lower 48 of the US, Deepwater GOM, Mexico and is continuously expanding its Surface Measurement While Drilling approach and geographic reach. For more information, please visit: http://dwl-usa.com/company/.

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