StimWatch® Stimulation Monitoring Service Optimizes Acid Stimulation
Location: US, Land

CHALLENGE – The operator was looking to optimize their acid stimulation. Their wells were perforated in multiple sand and shale horizons, with upper zones partially depleted while lower zones were still at original pressure. The operator required a method of monitoring fluid placement in the multiple zones in real time.

SOLUTION – Halliburton suggested StimWatch® stimulation monitoring service, a way to receive real-time information about where pumped fluids are going and how much fluid is entering each interval. StimWatch service uses fiber optic distributed temperature sensing to provide continuous temperature profiles over the entire wellbore during stimulation treatments.

RESULT – The operator was able to view the placement of the acid treatments in real-time as well as make instantaneous changes in the stage size and pump rate. Production from several intervals which were previously bypassed is now contributing to the overall production.

CUSTOMER TESTIMONIAL – “The StimWatch monitoring service offers numerous advantages to us. It provides a visual indication of where the stimulation fluids are entering the formation, and in this case, that is exactly what was needed because we wanted to monitor two wells over a two-month period of time. By using fiber optics as the temperature sensing element, we were able to determine what zones could take fluid.” - Production Engineer, US Operator

Halliburton’s StimWatch stimulation monitoring service enables real-time temperature monitoring of multi-zone completions to show where pumped fluids are going and how much is entering each interval.

For more information about how StimWatch® stimulation monitoring service can help make your multi-zone completions more efficient, contact your local Halliburton representative or email Pinnacle@halliburton.com.

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