Objectives and background

• An operator performing well killing operations was identifying the optimum “kill rate” by pumping kill fluid at different flow rates and monitoring the surface returns

• By using this trial and error method, it consumed both time and costs for the customer, as the pumping unit needed to be on the wellsite for a prolonged duration

• The customer had a significant amount of waste in kill fluid

• The main challenge was the customer had no real-time visibility on the kill fluid levels and they required an accurate determination to indicate if the killing operation was a success

Expro Excellence

• Expro proposed an innovative approach of utilising a non-intrusive methodology to measure the fluid levels in real-time

• Expro deployed equipment and field personnel at short notice to support the well killing operations

• Instant kill fluid level readings were provided at the wellsite after each pumping cycle

Value to the client

• The customer received real-time monitoring of kill fluid levels, for one of the wells, Expro measured accurate kill fluid levels up to 12Mkb

• The customer used this insight to optimise the kill rate by decreasing the pump rate from 8m3/h to 4m3/h

• The customer could keep the well overbalanced, resulting in a 50% cost saving compared with conventional methods

Contact

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