

Expro Excellence

Expro performs first TCP job in Argentina

TCP/DST



Objectives and background

- Expro was approached to perform a tubing conveyed perforating with coil tubing 1.5" and well restrictions of 2.25" around 3970m (live well rigless operations)
- The customer had already used coil tubing 1.5" at the location, the perforations should have effectively penetrated through the casing 5.5" and wellbore of 7 7/8"
- The customer had completed a number of well casing sleeve jobs which had successfully opened with pressure but they were now experiencing corrosion or collapse in the casing which was not allowing the well to be fractured
- The well restriction and couples data included:
 - Nipple F 2.81"
 - Sleeve #6 – inside diameter of 2.313" at 3800m
 - Sleeve #5 – inside diameter of 2.25" at 3890m

Expro Excellence

- Expro worked with our centre of excellence in Houston to model the job, using WEM and Pulsfrac™ to predict whether the penetration would be possible and which perforating designer should be used to optimise and decrease the fracturing pressure
- Expro effectively penetrated the formation using 1 11/16" guns to perforate 5 1/2" casing in the wellbore of 7 7/8" using coil tubing
- Expro used single tandem technology, our TCP string has more effective penetrations because we do not use two connection between guns

- Expro's philosophy of using lean production in our TCP string, reduces the requirements for a large number of crossovers and tools
- Expro has an extensive portfolio and was able to respond in a timely manner
- Our process is simplified in responding to customers who require bespoke solutions for contingency jobs

Value to the client

- Expro was able to complete a competent TCP run with coil tubing which minimised the loss of production and the potential of abandoning the well
- Expro performed an effective penetration with no HSE incidents and NPT
- Expro provided a bespoke solution in a fast response time to meet the customer's delivery schedule
- Expro's TCP package for fracturing decreases the pressure build up in the breakdown of the formation minimising the risk to our customer's operations and also allows fracturing on the reservoir with less pressure
- Expro has a comprehensive understanding of the market and operations in the region. We were reactive and were able to anticipate the requirements of our customer
- The customer was extremely satisfied with Expro's solution as this meant they did not have to perforate using a sand jet. The sand required for this operation was not available at this time and it would have taken an additional amount of time to set up at the site. This would have added approximately 36 hours to the tight delivery schedule

Bespoke solution



Contact

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