

Expro Excellence

Expandable clad solution enables full-bore access while reducing oil-based mud losses

Coretrax | CORE



Objectives and background

- The client had an open hole interval from 11,150' to approximately 12,850', which was known to encounter significant losses while drilling the horizontal section
- The losses resulted in substantial non-productive time (NPT) during hole conditioning and led to large financial losses due to consumption of oil-based mud
- The conventional solution of installing an additional liner (9-5/8" x 7-5/8") would have reduced the production hole size to 6.750", increasing costs due to the need for premium 5.5" production casing and potentially compromising cement quality due to the tight annular clearance

Expro Excellence

- Expro deployed a 2,000' ReLine DL OH expandable system. The liner was expanded in the 8 3/4" open hole and tied back into the 9 5/8" 40lb intermediate casing, using cement to provide isolation at the bottom of the liner in the open hole, and rubber seals to provide isolation at the top in the parent casing. The system has a post-expanded ID of 7.997" allowing the client to run 7 7/8" drilling tools through the interval to total depth (TD)
- This solution prevented further fluid losses and enabled installation of the next 7 5/8" liner per the well construction plan

Value to the client

- The liner was successfully installed, covering the interval from 11,038' to 12,935' maximizing internal diameter and mitigating major oil-based mud losses
- The operator had planned these wells months in advance to ensure all necessary equipment was available on location
- Additional value was delivered to the client through Expro's ability to provide a combined service offering. By utilizing Expro's TRS and Blackhawk Top Drive Cement Head alongside the CORE ReLine DL system, Expro delivered a one-stop solution for the client
- A key driver to success of this project was the ability to store and mobilize equipment from our Midland facility reducing call out time and logistical costs

Integrated approach



Safety

