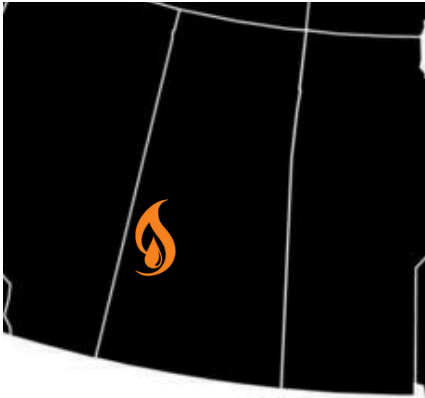


INTERRA ACHIEVES 100% PROPPANT PLACEMENT ACROSS A 49 WELL PROJECT

LOCATION: WESTERN CANADA



CUSTOMER OBJECTIVE

An operator working in Western Canada had a major development project and was looking for a completions solution to reduce costs while maintaining or improving operational efficiency. The project consisted of 49 wells with stage counts ranging from 18 to 50 per well for a total of 1,475 stages.

RAPTOR OC®



SOLUTION

Interra deployed its Raptor OC® (Open-Close) Coil Sleeves across the entire 49-well project. The Raptor OC is a mechanically shifted sleeve that functions open and closed with the Velocity™ Shifting Tool. The sleeve opens by shifting up, which prevents premature opening during cementing and ensures that operators will always have enough force available to open the sleeves. The unique design of the Velocity Shifting Tool places the shifting tool below the isolation packer, protecting it during frac operations.

Once the frac is complete, operators can re-open all the sleeves via one continuous upward movement with no coil cycling required by auto-locating and self-releasing from the sleeves on the way out of the well. The Raptor OC system gives operators the choice to either annular frac, frac down coil, or run packer-less with only the shifting tool.

TECHNOLOGY HIGHLIGHTS

- Unlimited Stages.
- Unrestricted Full ID Wellbore.
- High rate screen-out recovery, reducing downtime.
- Reduces re-opening run times, fluid usage, and coil cycling.
- Long reach open and close capability.
- Does not require a toe port to activate the first stage.
- Fully mechanical shifting, allowing the use of slim shifting BHAs in the event of casing deformation issues.

RESULTS

The Raptor OC exceeded the operator's expectations with reduced total frac time, time between stages, and total fluid usage. Throughout the project, proppant was placed in 100% of the desired intervals, and the sleeves were closed with a 99.9% success rate. The Raptor OC also provided improved economics with the post-frac shifting run when compared with similar technologies.

Another major benefit was Interra's slim outside diameter (OD) option on the Velocity Shifting Tool, which allowed the operator to mitigate challenges such as debris, over torqued collars, and casing deformation. By utilizing Interra's engineering, manufacturing, service, and delivery, the operator was able to increase efficiencies, saving costs and reducing downtime.