



CASE HISTORY

Drilling & Completion: Cementless Compartmental Completion

FREECAP® Swellable Packer

SWELLABLE PACKERS PROVIDE ZONAL ISOLATION FOR CEMENTLESS COMPLETION

TAM's industry-leading water swell packer technology provides customers with reliable isolation in open hole completion applications.



CHALLENGES: An operator in the Bakken Shale requires isolation for a fracturing stimulation treatment in an unconventional 6 inch open hole horizontal well. This is a challenge because the application requires a flexible solution that will provide optimal stimulation of each zone for a 30-stage lateral.

SOLUTION: Positive zonal isolation can be achieved with TAM's FREECAP I water swell packer system. The application proposed would use 30 of our reliable FREECAP swellable packers to enable positive placement and isolation of the fracturing stimulation treatment. Running in hole would take approximately 8 hours to get the entire system liner system at the proposed setting depth. TAM offered packers that would not create a seal until after they had reached bottom by adjusting the type of elastomer as appropriate for the well's downhole conditions.

RESULTS AND BENEFIT:

The job was completed as planned, and TAM was able to successfully run the full system (FREECAP I swellable packers and liner system) to the bottom of the hole at the landing depth of 20,499 ft.

Open hole completions provide free access to natural fractures, improving wellbore-to-reservoir communication. The FREECAP swellable packers reduce the risk of formation damage that could be caused by hydraulic/mechanical systems and provide flexibility for maximum wellbore contact with improved sealing in irregular wellbores.

TAM's FREECAP swellable packers provide isolation during hydraulic fracturing treatment.

