

CASE STUDY

2025

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MAXIMUS OIGA PRIVATE LIMITED

Authored by: PVS N RAJU



Maximus OIGA STRADDLE PACKER Isolates Multiple Zones in a single trip

Executive Summary

An operator aimed to Surfactant Flooding Job of six zones across a total of 22 wells that had been previously perforated in 2018.

Maximus OIGA recommended using its STRADDLE packer to isolate and perform Surfactant Flooding Job on each zone individually in a single trip. This approach significantly reduced the number of required runs, resulting in substantial savings in both operational time and well costs.

Background & Challenges

The operator aimed to further improve operational efficiency by requesting Maximus to perform a surfactant flooding job across six zones in a single trip, while also evaluating the condition of perforations made seven years earlier.

Traditionally, the approach involved running retrievable bridge plugs to isolate each zone individually and conducting injection tests between the packer and bridge plugs—requiring seven separate runs. Complicating matters further was the 38-meter distance between the two packer elements.

Well Type: High-Pressure Exploration Well

Depth: 3250m

Operational Area: CBM Block, WB

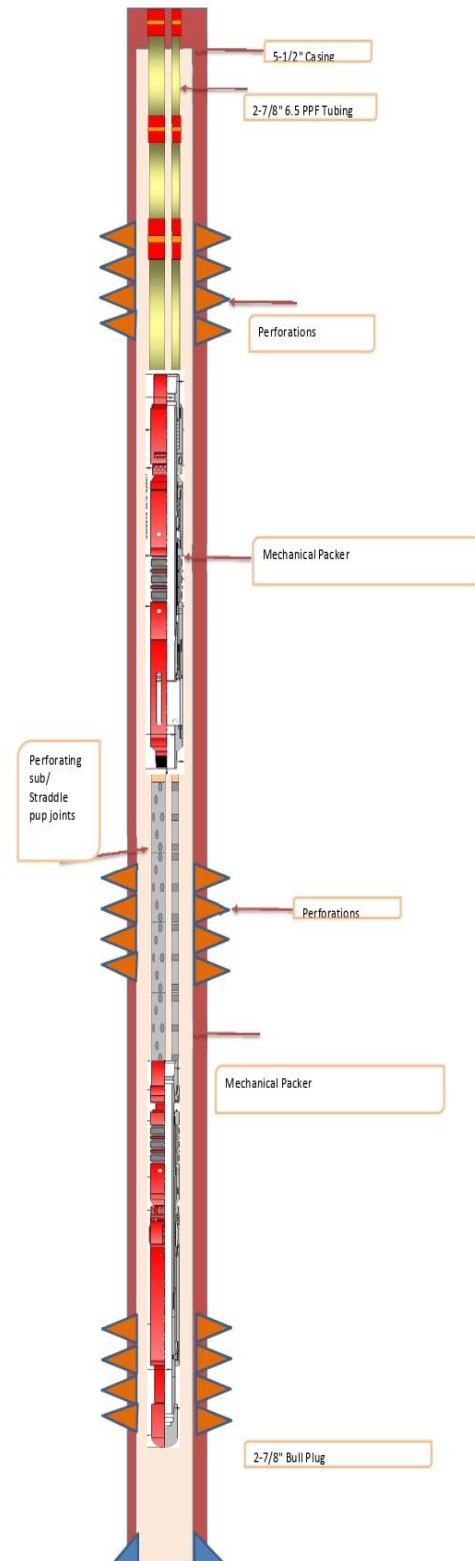
Solution Delivered by Maximus:

Maximus recommended its STRADDLE packer—a retrievable treating straddle packer designed with a customizable space-out between packer elements. This feature allows for the breakdown of the maximum number of perforations within long producing intervals, ensuring more uniform acceptance of stimulation fluids. After each section of

the zone is individually broken down, a large-scale treatment can be performed more efficiently. By adding extensions between the STRADDLE packer elements, lengthy intervals could be injected in a single run. For this operation, a space-out of 38 meters—setting a record for the Maximus STRADDLE packer

Equipment Required:

- 2-7/8" Bull Plug
- 5-1/2" Upper Straddle Packer
- 2-7/8" Perforated pup joints
- 5-1/2" Lower Straddle Packer
- 2-7/8" 6.5# PPF Tubing
- Circulating Head



Result:

- Once the packer was run to depth in the first perforation zone, the operational sequence was to set the packer, perform Surfactant Flooding Job, unset the packer, and pull up to the next zone. Again, the same sequence of operations was completed and then repeated until the final zone. All seven zones were successfully Surfactant Flooding Job.
- 2018 – a key objective from the customer who wanted to understand the well conditions across each perforation zone prior to running the completion. This successful operation also highlighted the fact that record space-outs between elements would not have a negative effect on the performance of the STRADDLE packer, and also demonstrated its versatility. Using the STRADDLE packer also enabled.
- the operator to avoid non-productive time (NPT) and save considerable time and money.

Metric	Legacy Packers	STRADDLE PACKER
Deployment Time	22–25 hours	4 hours
Cost per Unit	–	Reasonable
Workover Avoided	1 wells (\$0.7M)	Zero failures

Maximus OIGA Contact:

Devashis Thakur, Executive Director

ed@maximusoiga.com | +91 9833602518

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