



ThinFrac™ MP Reduces Cost and Operational Complexity in Anadarko Basin

Technology: ThinFrac™ MP | **Basin:** Anadarko | **Application:** Shale

OVERVIEW & CHALLENGE

An operator was completing wells in the Anadarko Basin in Oklahoma on the Stack Meramec oil formation. The operator had been using a hybrid treatment schedule to complete its wells. This treatment began with a slickwater fluid system using a conventional friction reducer at the beginning of the operation and moved to a 20-lb (9-kg) linear gel with a high concentration of proppant at the middle to completion. However, the operator was looking to simplify operations and reduce costs on the wellsite.

SOLUTION

To achieve this, it was recommended the operator adapt all the slickwater designs and use ThinFrac MP friction reducer. The technology was deployed on a three-well pad and effectively replaced a 20-lb (9-kg) linear gel on all 75 stages. It was also deployed on a two-well pad with 100 stages and each operation was pumped at 80 bpm (13 m³/min). ThinFrac MP was run at 0.5 gpt (0.5 L/m³), half the loading when compared to the conventional friction reducer (ran at above 1.0 gpt (1.0 L/m³) on previous treatments). It demonstrated good friction reduction and lower surface treating pressures throughout all stages.

RESULTS

The switch to ThinFrac MP reduced the total operating costs by more than 6% and lowered surface horsepower requirements. It also reduced on-site logistics due to fewer chemicals being needed and less transfer issues that can cause delays, screenouts or not pumping the stage as designed.

