



Successful Stimulation Program with ThinFrac™ MP

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

OVERVIEW & CHALLENGE

A major operator wanted to maximize hydrocarbon recovery from wells with longer laterals in the Marcellus shale play. Beginning with wells located in the heart of their operations, the company began testing different completion designs with flow capacity. To achieve the increased production and ensure success of the completion program, the operator worked with BJ Services to perform a fracture stimulation program on a well with a 10,500-foot lateral.

SOLUTION

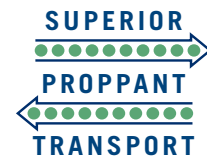
The fracturing technology selected for the well was ThinFrac MP friction reducer. This technology is designed for maximum regained permeability. With proven success in long, lateral wells, this engineered polymer develops instantaneous viscosity, providing superior proppant transport when and where it is needed. To increase the cluster efficiency, 32 million pounds of proppant were pumped to provide flow path for captive gas molecules. In addition, breakers were used in conjunction with the friction reducer to allow precision breaking and enhance regained permeability and load recovery.

RESULTS

After six days, the well treated with ThinFrac MP reached a peak rate of approximately 60 MMcf/d of natural gas, making it the operator's highest-rated operated well in the play. In addition, the operator is now having to redesign the surface facilities to support the increased production. Over the next 6-month period, the operator plans to continue to enhance completion designs in as many as 40 more wells that are set to come on production, including several less productive wells in the field.



10,500-FOOT LATERAL WELL
FRACTURE STIMULATION PROGRAM



PRODUCTION INCREASE