

# SPM<sup>®</sup> Edge

Minimizes NPT, Mitigates \$100,000 in Pump Replacement Costs

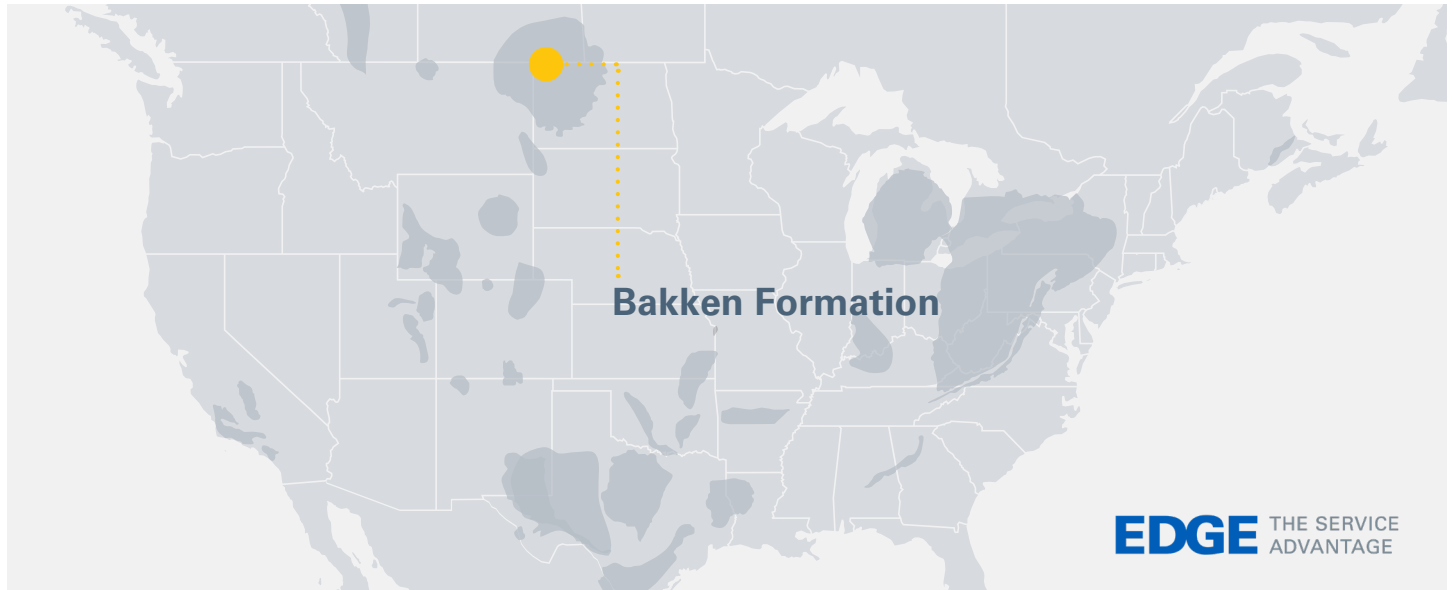
## SPM<sup>™</sup> Oil & Gas

A Caterpillar Company

### Case Study

#### Bakken Services Company Optimizes Frac Operations with On-site Pump Maintenance

The Bakken Formation subjects hydraulic fracturing equipment to a brutal high-pressure environment that is below freezing for multiple months. Temperatures dip as low as -30°F in the winter, placing additional mechanical and process stress on equipment because it takes longer to warm lubrication fluids. In addition, the region's multiwell pads require high treating pressures and volumes for efficient stimulation.



#### AT A GLANCE



Service and training centers are no more than three hours from any U.S. basin



24/7 responsiveness



Only service center open in Williston during global pandemic



No rush fees

#### TOTAL SAVINGS:

Prevented  
**\$100,000**  
loss of a pump



**Reduced NPT**  
and labor costs by  
providing on-site inspection  
and maintenance

#### RESULTS OF IMPROPER POWER END MAINTENANCE

SPM<sup>®</sup> Edge services helps maintain power ends and prevents such severe damage with regular maintenance and thorough inspections.



# SPM® EDGE CASE STUDY

## THE CHALLENGE

One of the largest oilfield services providers operating in the Bakken had a frac spread consisting of 14 to 20 pumps. Completing these wells economically meant no flexibility if a pump went down and no time for maintenance. The oilfield services provider required power end maintenance on one of its SPM® QWS 2500 XL Frac Pumps, but couldn't afford the NPT involved in powering it down or the labor costs to drive it to SPM Oil & Gas' Williston service center when its personnel had already been reduced due to the global pandemic.

## THE APPROACH

To provide critical pump maintenance with as little NPT as possible, SPM Oil & Gas' Williston service center—the only service center open in the region during the global pandemic—brought the shop to the company's frac site by dispatching a technician to conduct SPM Oil & Gas's signature 13-point inspection process. After determining the extent of the maintenance required, the technician performed the necessary maintenance services and changed wearable components.

## THE RESULTS

By performing inspection and maintenance on the frac site, the Williston SPM® Edge Service team saved the company significant NPT, equipment, and labor costs. The on-site visit saved the pump, preventing it from becoming a \$100,000 loss. It also eliminated the downtime and labor costs involved in changing the pump and making the round trip to SPM Oil & Gas' Williston service center—completely removing the burden of logistics from the company's shoulders.

## THE SOLUTION

SPM® Edge Services, SPM Oil & Gas' global service offering, provides service and training centers in every U.S. basin and every part of the globe. SPM® Edge Services supports operators with a three-pronged approach that includes global access to local engineering experts, engineered repairs with highly skilled aftermarket support, and industry-leading digital empowerment tools for SPM Oil & Gas and other OEM equipment, all within a three-hour trip.