Tier 1 Operator Optimizes Trimul-Frac with 22% Lower Treat Rate Using **Innospec's HyperFRac™**

Just as extended laterals provided a method for saving operators time and money, the move toward completing two to three wells simultaneously is doing the same. The primary driver is capital efficiency; by completing three wells at once (Trimul-Frac), operators aim to complete projects faster, reducing their daily burn rate while improving their Internal Rate of Return (IRR).

Typically, operators rely on mechanical tools and increased horsepower for improved efficiency. However, Innospec Oilfield Services (OFS) believes that advanced chemistry—specifically "smart" fluids—can provide efficiency and simplicity that mechanical tools alone cannot match. Smart meaning friction reducers that can favorably assist in friction reduction and proppant transport through the wellbore and perforations.

The Solution: HyperFRac HVFR

Recently, Innospec Oilfield Services helped a Tier 1 operator in the Midland Basin realize significant savings across the AFE using their latest **HyperFRac** High Efficiency Friction Reducer.

The operator was willing to move away from the "lowest cost per gallon" mindset and focus on total operational efficiency with the deployment of a Trimul-Frac using 100% produced water. **HyperFRac**, a patented product, combines a high-active, invert polymer emulsion with solid friction reducer powders. The advantage of this combination of friction reducers is it's specifically designed for ultra-fast inversion of the emulsion accompanied with delayed hydration of the FR powdered solids for release of "fresh" FR in the lateral. This high-efficiency formulation allowed the operator to reduce their chemical treat-rate by 22% compared to the incumbent product while achieving superior friction reduction. This resulted in substantial benefits to the customer.

Rate

While every job has a target rate, some friction reducers struggle to combat treating pressures. HyperFRac allowed the operator to manage pumping rates more effectively, achieving the target rate and shaving 2.7 minutes off every stage.

Time

Time is money. Across all stages, the improved pumping efficiency translated into an average savings of $32K per stage in pump time.

Water

Pumping faster and more efficiently saved an average of 61 bbls of water per stage.

Chemical

Even though the cost per gallon was higher than the incumbent product, the lower treat-rate resulted in an average savings of $87K.

Other Expenses

For all other ancillary costs, an average of $16K per day in additional savings was realized.

The Bottom Line

Efficiency in modern completions isn't about finding the cheapest chemical –it's about finding the most effective one. Innospec's HyperFRac allowed this Tier 1 operator to cut chemical consumption, while pushing the boundaries of pump speed and water usage. The result was clear: significant reductions in pump time, lower chemical volumes, and massive operational savings.

About Innospec Oilfield Services (OFS)

An integral part of Innospec (NASDAQ: IOSP), Innospec Oilfield Services (IOS) is headquartered in The Woodlands, TX. The company's presence in North America is a highly focused one: Delivering superior chemical technologies and efficiencies, along with the elevated level of service vital to optimally support drilling, completions, and production projects in all major U.S. oil and gas basins.

Founded in 1938, Innospec Inc. (NASDAQ: IOSP) is a leading international specialty chemicals company with approximately 2,100 employees operating in 22 countries. Innospec has major regional centers in the U.S., UK and Singapore, with production plants located in countries including the U.S., UK, France, Germany, Italy, Spain, and the Philippines.

Innospec manufactures and supplies a wide range of specialty chemicals to markets in the Americas, Europe, the Middle East, Africa, and Asia-Pacific. In addition to designing, formulating, and producing oilfield chemicals for drilling, completions, and production applications, the company's other business segments are Fuel Specialties and Performance Chemicals.

Contact Innospec Oilfield Services

For more information on how the IOS team can work for you, please contact your regional sales office, or visit us at **www.Innospec.com**.

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