



# ProFrac Significantly Improves Frac Efficiency in Midland Basin

## Service

Simul-Frac

## Location

Midland Basin

## Value

46% Efficiency Improvement

### Challenge

- » An operator in the Midland Basin was seeking a solution to improve frac efficiency. Their previous pads utilized a standard zipper design where adjacent wells were fracked in alternating stage sequences. This method resulted in an average of 7-8 stages completed per day.

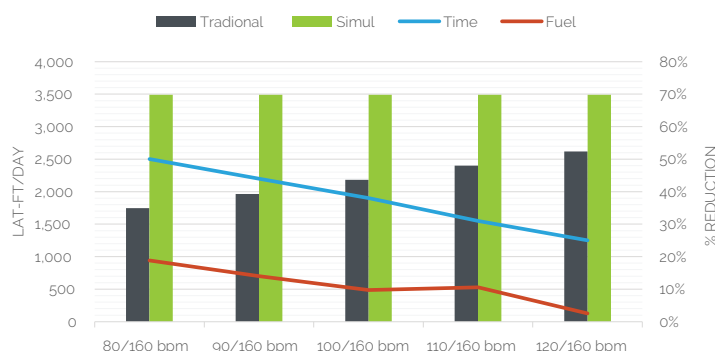
### Service Solution

- » ProFrac Services was able to significantly boost efficiency for the pads employing a simul-frac design. Simul-frac allows for two wells to be stimulated simultaneously with one frac fleet. This methodology substantially reduces diesel consumption and requires less frac equipment on-site in an ongoing effort to reduce emissions and meet ESG initiatives.

### Results

- » The operator saw an efficiency improvement of roughly 46% and almost doubled the stages/day completed. This design also allowed the operator set multiple lateral feet per day and stage records. Most notably, 180 bpm, 18 stages and 4,320 lateral feet in one operating day. The overall time on location was reduced by 12 days for pad 2 when compared to a traditional zipper frac, lowering the pad rental rates substantially.

Lateral Ft/Day & Pad Time Savings



Frac Style Comparison			
	Pad X (trad)	Pad 2 (Simul)	%
# of Wells	2	4	-
# of Stages	62	192	-
Days Pumping	9	15	67%
Avg Stages / Day	7.44	14.2	91%
Avg Lat - Ft/ Day	2,160	3,162	46%
Average Rate (bpm)	113.2	154.4	-
Average Stg Time (hrs)	2.04	2.60	-

