



Case Study: Permian, United States

Knight™ Frac Plug – Frac Reliability, Plugs That Don't Slip

Challenge:

An operator with a six well pad running 5.5" Frac Plugs out in the Permian was looking for a more reliable plug, as their previous plug provider was having multiple issues with plugs slipping in their wells during the frac. The concern was that treatment isolation was being lost and the majority of the treatment was going down to the previous stage.

The operator was looking for a plug that would hold up to their well conditions by not having plugs slip during frac all while being able to pump down at high speeds efficiently with easy drill outs.

Solution:

The operator called us over the weekend to immediately replace the previous plug provider. They were looking to install the last stages with 26 Knight™ Frac Plugs on this pad with the promise to run Knights™ on the next pad of qty 318, should the initial job go well. All 26 Knight™ frac plugs from the initial job held frac pressures without slipping, drilled out efficiently and Royal was awarded the following pad. All 318 Knight™ frac plugs held in place during frac as well, this time with Pump Down Rings which also increased their pump down efficiencies.

EMAIL US:

sales@royalcts.com

Well Specification

- 5.5" - 20 lb/ft Casing
- ~10,000 ft Lateral Length
- ~19,800 ft TD

Results:

- No plugs slipped or leaked during frac
 - Full stage isolation and the potential gain of MM of dollars of production over the life cycle of the pad due to stages being stimulated properly

