



## API SPEC FRACTURING SAND

The objective when performing hydraulic fracturing treatments is to increase conductivity throughout the propped fracture and to the wellbore. If your well is not performing as you anticipated after a fracture treatment, the problem may be with the quality of the sand you are pumping.

Franklin Well Services supplies only API Spec sand. API regulates the resistance to crush, roundness/sphericity, and the amount of fines allowed above and below the specific mesh size. All of these factors affect the conductivity or the proppant pack.

API requires that a minimum of ninety percent (90%) of the specific sand size should fall between that designated sieve sizes. Not over one-tenth percent (0.1%) of the total tested sand sample should be larger than the first sieve size and not over one percent (1.0%) should be smaller than the last sieve size.

High closure stress, which will cause sand grain crushing, is not a common problem in the Illinois Basin due to our shallow producing formation depths. But with the low bottom hole pressures we have, you cannot afford to have your proppant pack filled with fines.

As a well is produced, the fines are pulled into the porosity of the sand pack and can reduce the conductivity of the proppant pack by as much as 80% to 90%.

If you are seeing a lot of dusty material blowing off the frac sand while pumping fracture treatments, you need to ask if the sand is API Spec. API only allows 1.0% can be smaller than the specific mesh size.

Franklin routinely stocks 100 mesh, 20-40 mesh, and 12-20 mesh. Some Resin Coated sands are also available.

***Franklin pays more for API Spec sand, but we believe your well is worth it.***