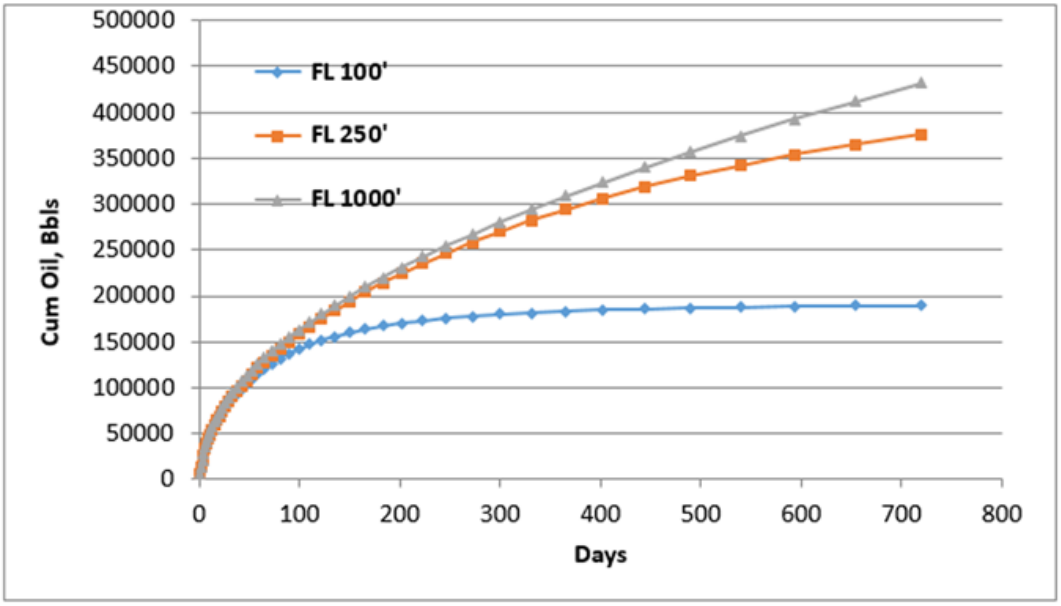
PREDICT-K “TIP OF THE MONTH”

Propped Fracture Length

The propped fracture length input into Predict-K is usually meant to represent the fracture length at which sufficient proppant concentration is placed to affect well performance and drainage. For those familiar with GOHFER this is equivalent to the proppant cutoff length. Just for clarification, prior to the issuance of Predict-K 18.2 an issue was recognized with the calculation of well performance and drainage such that the effect of a longer propped length was not correctly accounted for. This was remedied in Version 18.2.

An example of the effect of propped frac length on well performance is shown below. In the horizontal oil well example the only change was the propped frac length. The input propped length is now used to estimate the stimulated drainage area (SRV) or enhanced permeability volume that constrains total recovery (EUR). The effective fracture length is not affected. That is why the early time production for all cases is essentially the same.



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