

PREDICT-K “TIP OF THE MONTH”



Improving Predict-K Chart Utility and Appearance

When working in Predict-K, you may run into instances where you have a large number of treatments but only need to show two or three at a time in a particular chart. Otherwise, you could be left with a chart that is too cluttered to tell the intended story.

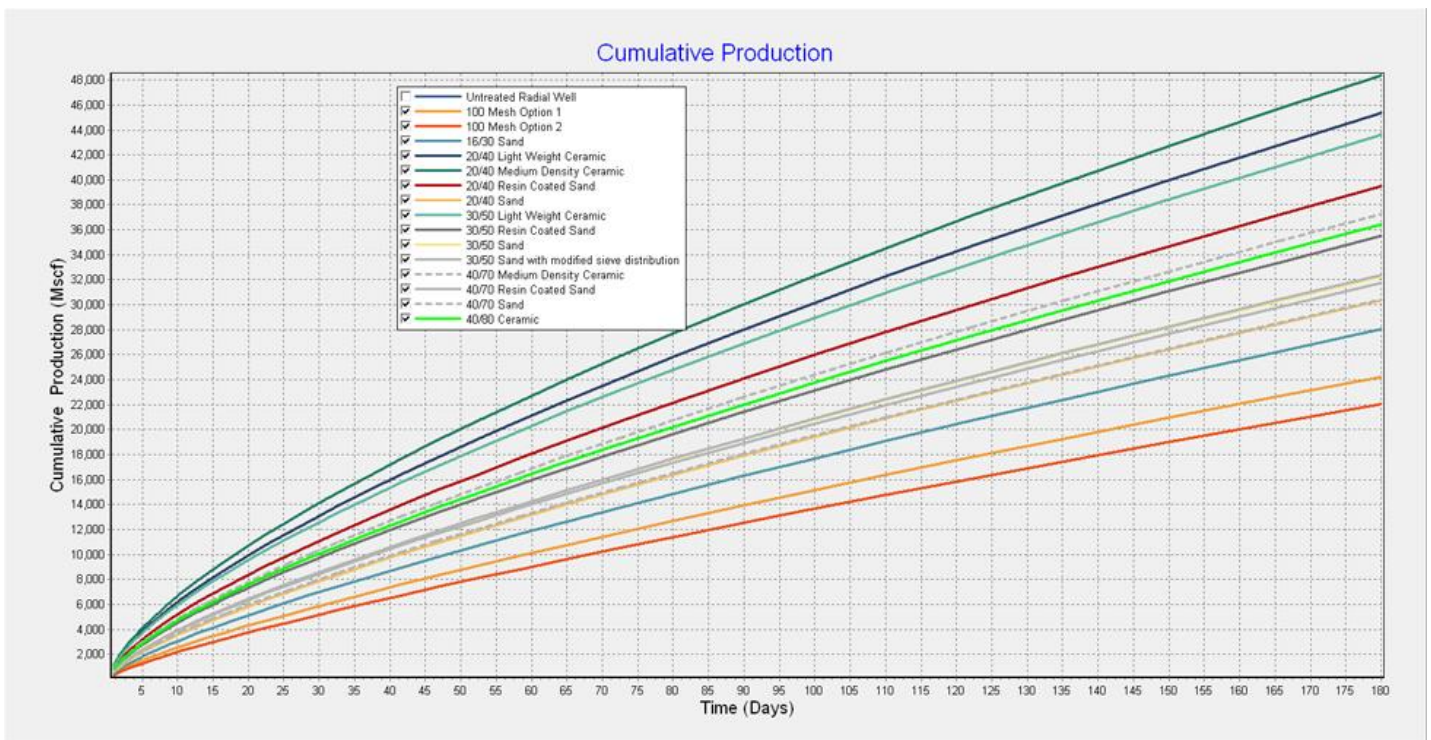


Figure 1: Overpopulated Production Chart

Predict-K offers a few options to clean up the graphs. The easiest solution is to delete the treatments that you don't want on the graph, but this will completely remove those results from Predict-K. If you may need those results later, this is a less than optimum solution. The more efficient solution is to use the check boxes on the legend to remove unwanted curves.

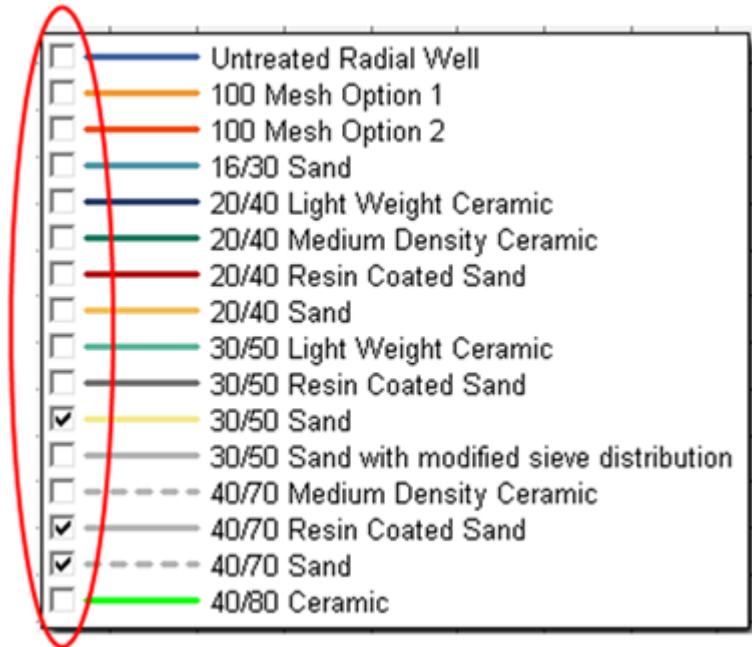


Figure 2: Predict-K Legend with Checkboxes

The new chart now highlights the production difference between 40/70 sand and resin coated sand in addition to a shift to 30/50 sand, but the legend is still cluttered and many of the better curve colors are used up by unused curves.

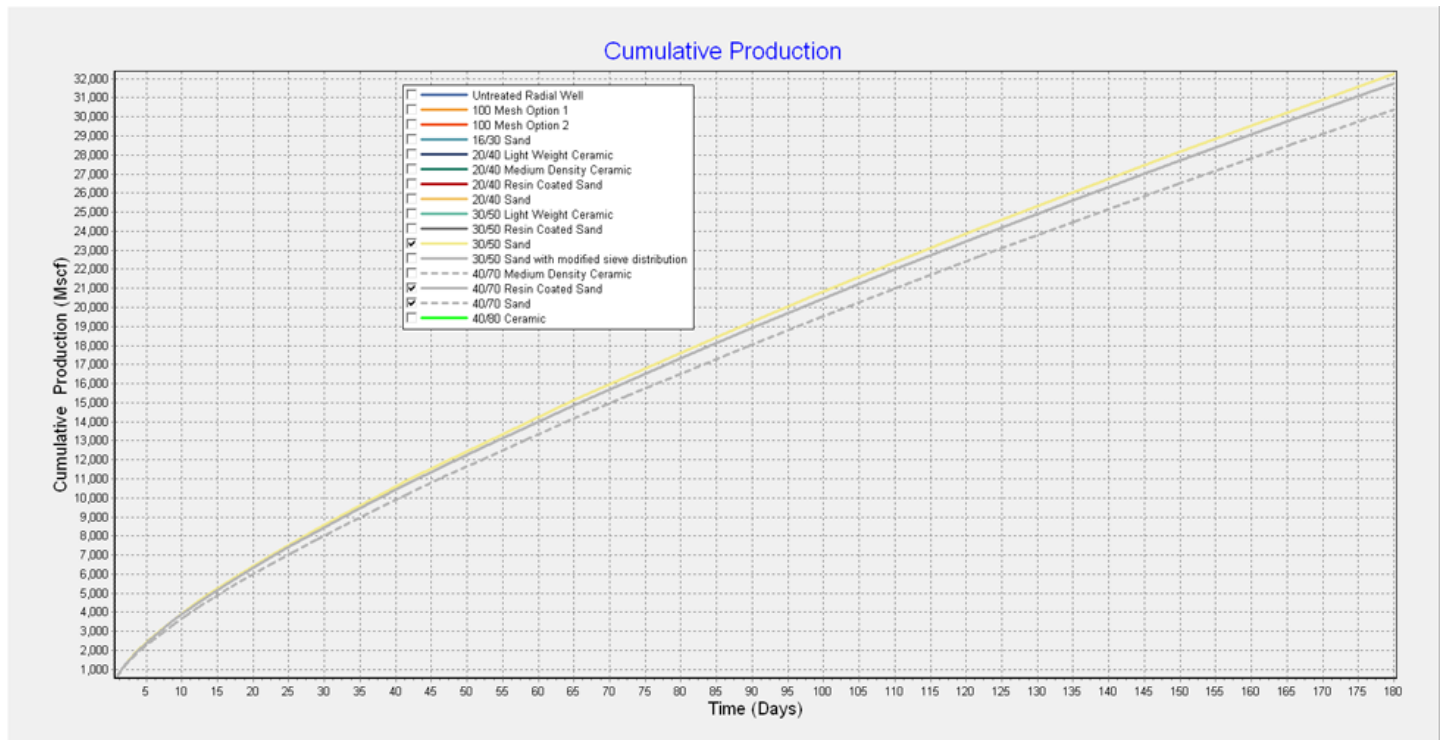


Figure 3: Slightly Enhanced Production Plot

In the legends menu, which can be accessed by right-clicking on the legend, the extra curves can be removed. Uncheck the check boxes option to remove the check boxes. It is now a little more difficult to add and remove curves, but the display will look much better in front of management, clients, and investors.

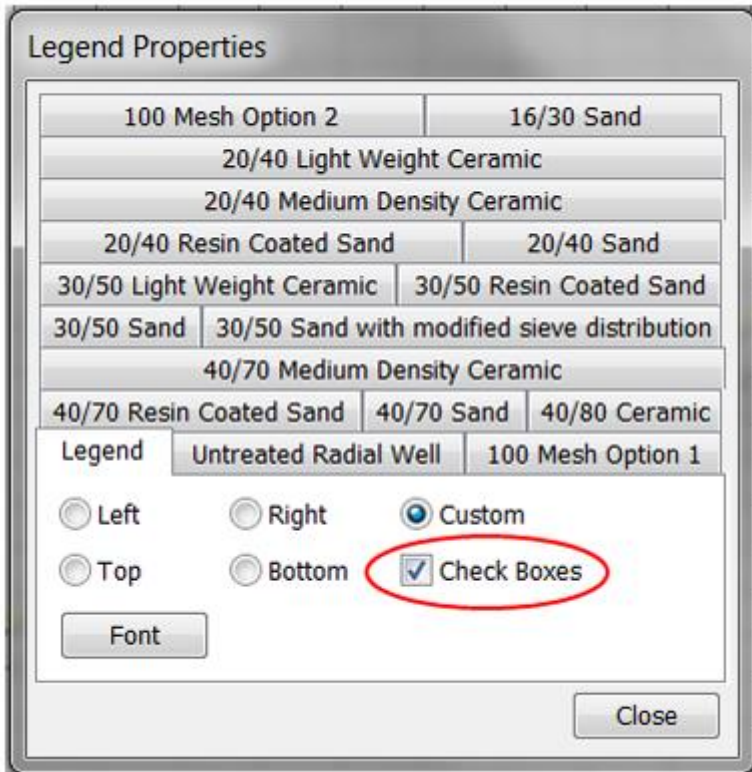


Figure 4: Legend Properties

The new, cleaned production plot now clearly shows that, for the reservoir scenario used in this simulation, a change to resin coated sand would be beneficial to production, but a greater benefit is possible by changing to a larger sand if that can be delivered into the fracture.

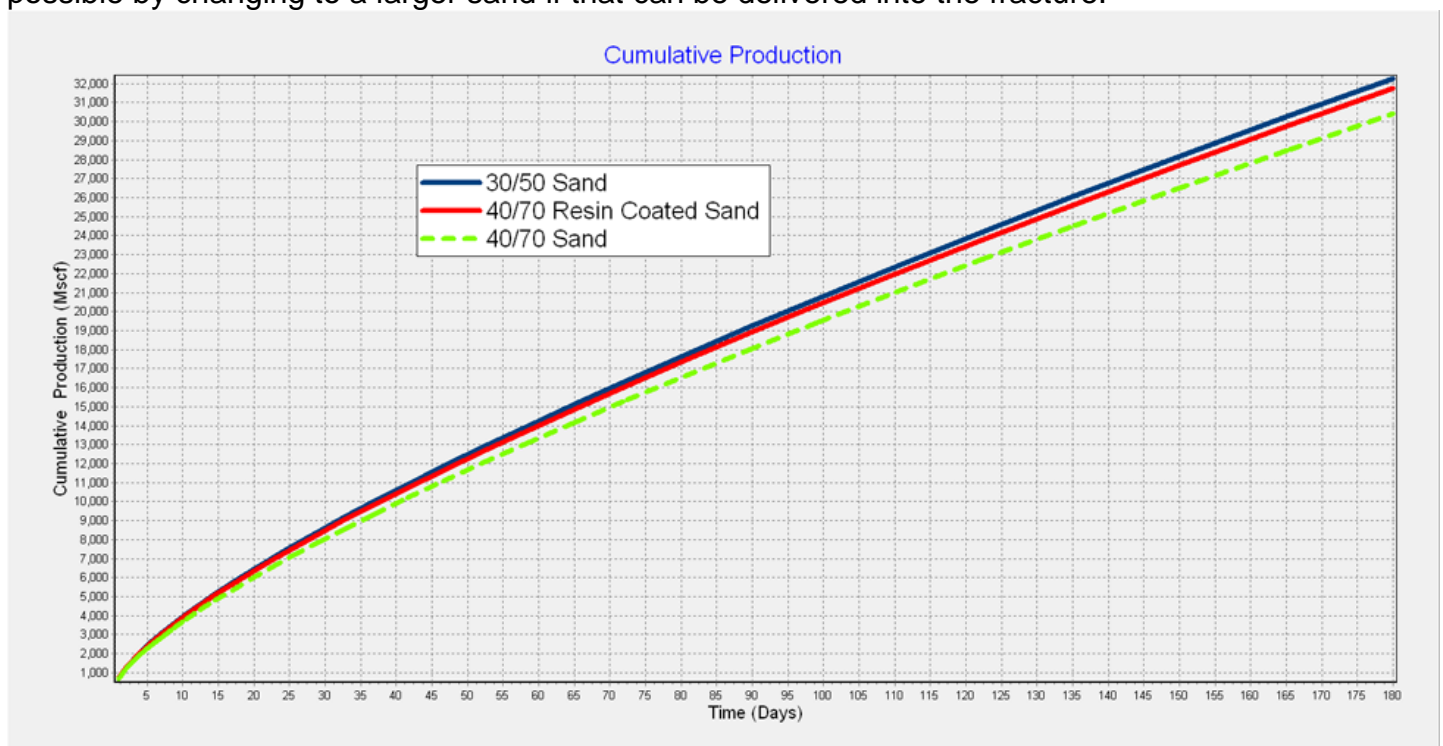


Figure 5: Final Production Plot

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