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## PREDICT-K “TIP OF THE MONTH”

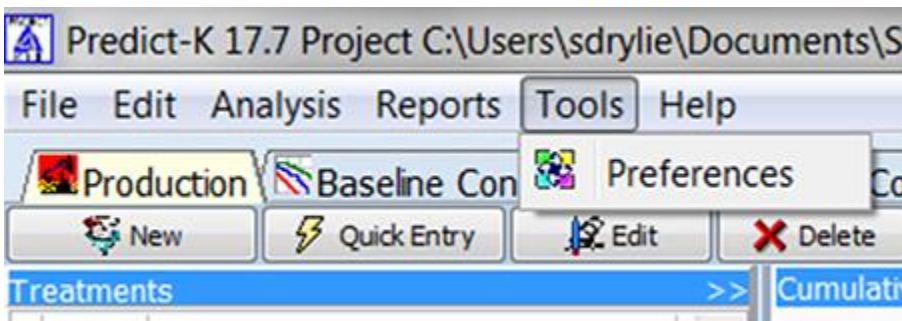
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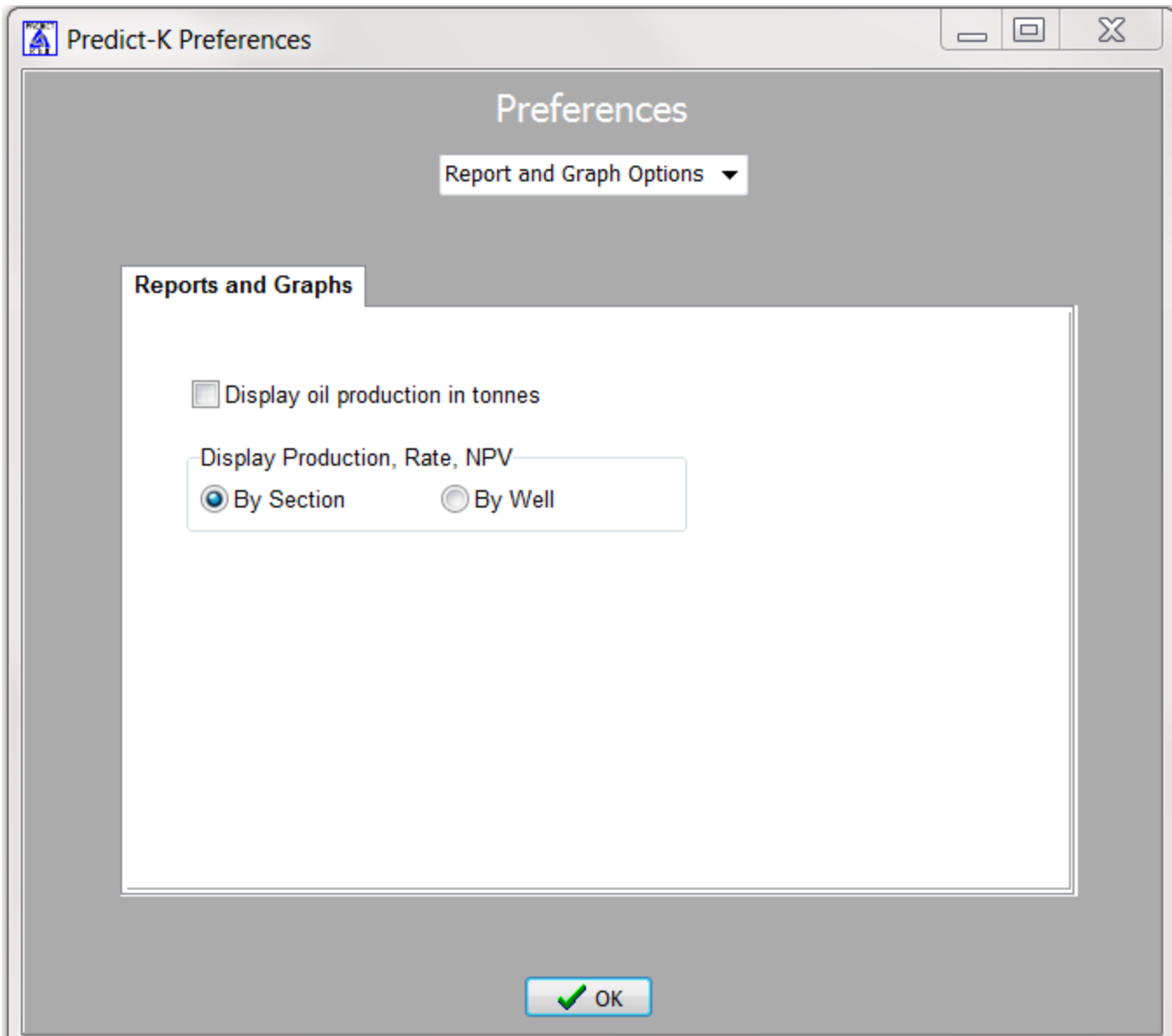
### Predict-K 17.7

Predict-K 17.7 was released at the Proppant Consortium meeting last week and includes numerous enhancements and improved workflows for unconventional development. Even experienced users will be able to discover new features and ways to benefit from Predict-K in whole new ways.

One of the changes to Predict-K is the ability to compare production results on a per section basis in addition to the already available per well basis. This analysis will better illustrate the costs, benefits, and interactions that result from decreasing well spacing in order to increase the number of well sites.

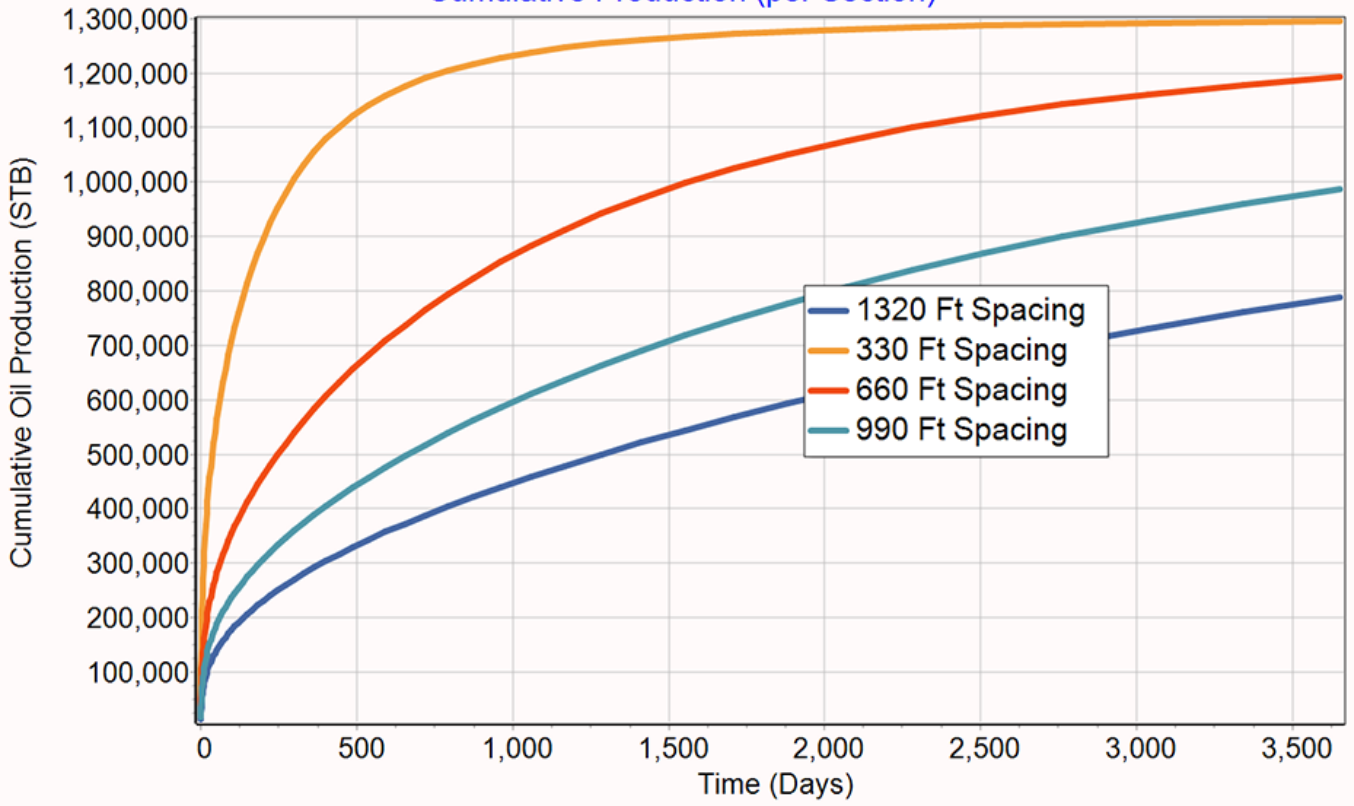
To change between viewing results by well and viewing result by section, click tools and then preferences at the top of the Predict-K screen. Then, select report and graph options. Here, you can select whether to show the results by section or by well.



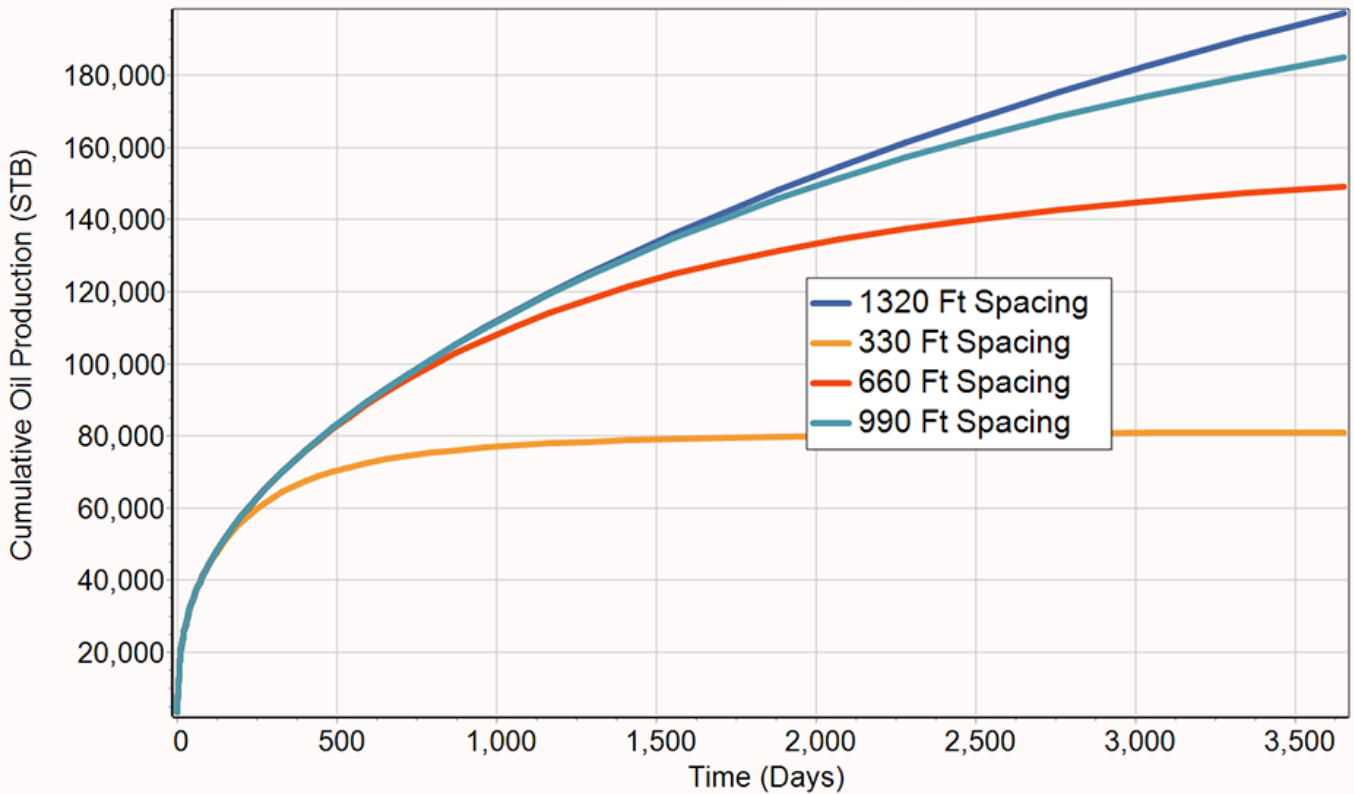


Using the default properties in Predict-K for an unknown oil reservoir, the production results below were obtained. With 10 years of production, Predict-K shows that most of the oil will be drained in the simulated period with 330 ft well spacing. With larger well spacing, more of the pay will be bypassed. When the data is viewed on a per well basis, the beginning of production interference can be seen when two lines deviate, and the total difference in production for each well individually is clear.

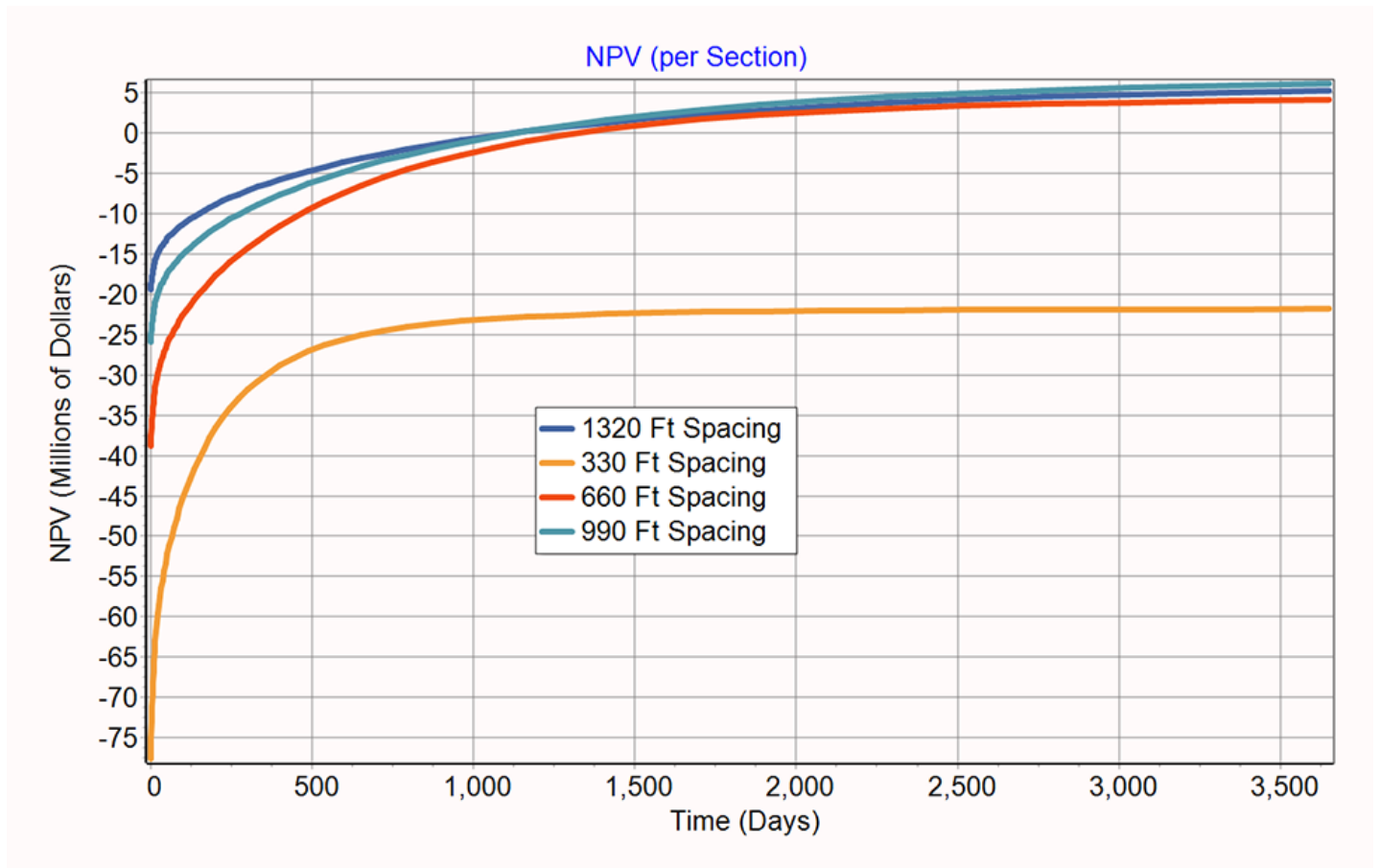
Cumulative Production (per Section)



Cumulative Production (per Well)



If the total cost of a completed well is \$5,000,000 dollars is assumed for simplicity, the impact to project value can be seen for the various well spacing configurations. At the end of 10 years, most of the results give similar net present values, but the high cost of the high number of wells needed at tight spacing cannot be overcome due to the reduction in well performance of the tightly spaced wells.



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2. [Predict-K Main Screen](#)
3. [Quick Entry](#)
4. [Predict-K General Structure](#)

5. [Creating a New Proppant Manager Database](#)
6. [Running the Proppant Manager Correlations](#)
7. [Exporting Proppant Manager Results to Predict-K](#)
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11. [Adding Production Data to Predict-K](#) [Demonstration Base Project for Video 11](#) [Simulated Production Data Excel File](#)
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