



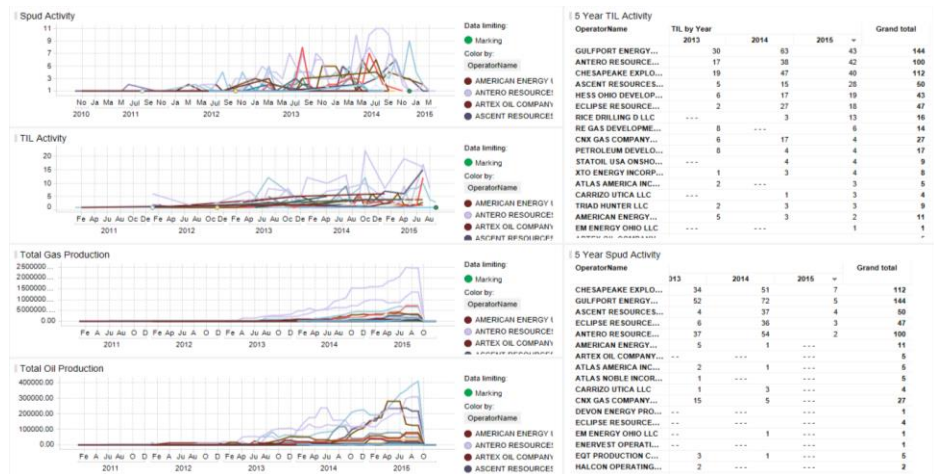
## BLUE RIVER ANALYTICS TYPE CURVE TEMPLATE

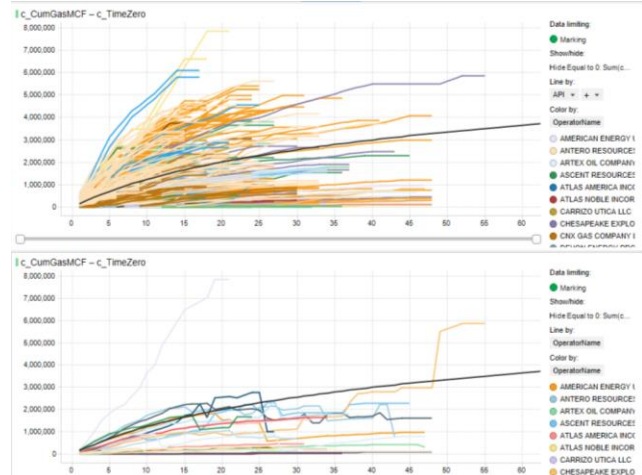
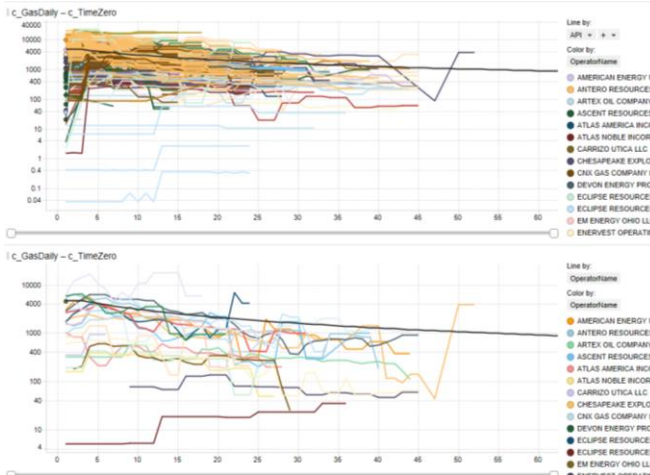
### Overview

Blue River Analytics' Type Curve Template allows users to better identify and analyze wells, activity, and well performance within a specific basin or defined area with the built-in calculations, maps, and plots. The tool then allows the user to develop a customized type curve based on the wells selected for analysis and outputs an EUR. The custom type curve feature allows for a very interactive experience as the type curve overlaying the production plots and the calculated EUR updates on the fly as changes are made to the custom inputs.

### Key Benefits:

- Identifies best performing wells in a basin, county, or any chosen area based on a variety of production variables and marks wells on a map
- Tracks the development of an area by plotting the number of spuds and new TIL's per month; tracks the 5-year spud and TIL activity to show ramping up vs cutting back by operator; tracks gas and oil production growth by operator or zone
- Develops a probability plot for a variety of production variables with the ability to filter out outlying wells; develops a P1, P10, P50, P90, P99, and a Swanson's Mean for chosen variable
- Creates a gas, oil, MCFE, and BOE monthly production plot and a cumulative production plot normalized by days on production
- Develops a custom type curve with input variables of  $Q_i$ ,  $b$ ,  $D_i$ , and the annual percent decline to switch from hyperbolic to exponential; includes functionality to define  $Q_f$ , a time cut off, and a time period to hold  $Q_i$  flat during initial months of production
- Calculates an EUR based on the custom type curve





*Cumulative production plots of all wells in selected area with custom type curve overlaid, which updates on the fly as changes are made to inputs*

*Cumulative production plots of all wells in selected area with custom type curve overlaid*

**About Blue River Analytics:**

Blue River Analytics makes our customers smarter. Utilizing deep expertise in the energy industry and TIBCO Spotfire, we create easy-to-use applications for visual and predictive analytics, enabling our customers to make faster, smarter decisions.

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