

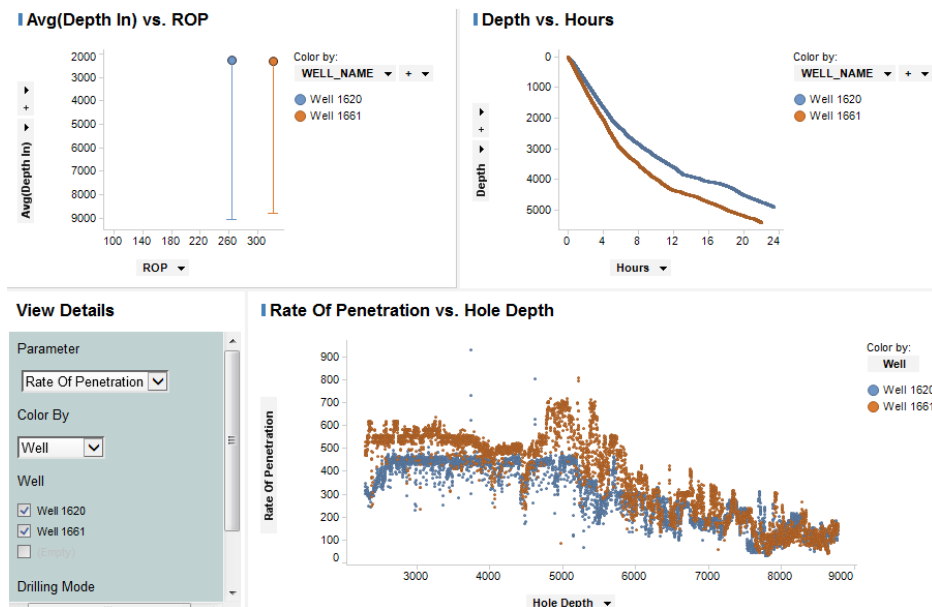


### BLUE RIVER ANALYTICS: DRILLING OPTIMIZATION APPLICATION TEMPLATE

Blue River Analytics helps oil and gas companies reduce drilling time, minimize the impact of unplanned events (NPT) and improve operational efficiency by quickly combining data from disparate sources (\*.xlsx, \*.las, MS Access, etc. ) into a single analysis, without requiring IT support.

**Value:**

- Quickly identify the best performing equipment and parameters that yield the highest penetration rates, significantly reducing days on well.
- Easily identify which variables in the drilling system have the highest impact on rate of penetration.
- Determine the root cause of non-productive time (NPT) events and provide solutions to prevent their reoccurrence.
- Easily quantify the performance impact of new drilling equipment or technology.





**Blue River**  
ANALYTICS

**TIBCO**  
Spotfire® Partner

#### Use Case Examples:

- Understand the reasons why some intervals drill faster than others.
- Compare drilling conditions on past and current wells.
- Compare drilling performance between rigs.
- Determine what equipment has the best chances for success.
- Merge drilling data with financial data to understand the cost benefit of new technology.
- Identify differences associated with geographic areas of well locations.
- See NPT differences between rigs in the same area.
- Identify parameters or equipment that is causing harmful vibration levels to reduce trips (NPT).
- Unlock unseen performance and parameter trends.

#### 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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