Identifying hidden Non-Productive Time (NPT)

Standard rig reporting systems have difficulty providing sufficient granularity for time based studies useful for drilling optimization. “Big Data” from rig sensors are challenging to sift through to find potential cost savings.

Utilizing surface logging data with proprietary software operated by dedicated specialists can improve overall drilling performance.

In this instance, the benefits of DrillBest are as a result of time studies of specific rig activities. By observing the time between Weight on Bit (WOB) during connections, DrillBest specialists were able to identify a significant portion of the time was caused by back-reaming. Something not previously identified by traditional reporting methods. The granularity of the information allowed the DrillBest Specialist and the Operator to review the need for reaming and concluded that this was an unnecessary procedure.

Once the changes to the reaming procedure were implemented, the Operator realized an immediate savings of 36 hours of rig time, or $1.5MM USD, during the drilling of the 12 1/4” phase.