

LEVERAGING BEST PRACTICES TO MAXIMIZE THE VALUE OF AUTOMATION SYSTEMS

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INITIAL ENGAGEMENT

An operator approached ChampionX and requested an audit into the usage of their host system (XSPOC), and a general assessment of their well conditions. As a team, we agreed on nine different metrics, measures, and acceptable ranges for each metric on roughly 25% of the total population of 1,200 wells. Example: Volumetric efficiency was identified as one of the metrics, with an acceptable range, or target of > 70%. The data was mined and assembled, and a report card, or baseline was established for each metric. The results were communicated to the leadership team, and the decision was made to review the remaining wells.

KEY FINDINGS

Well conditions, in terms of the metrics were not good. There was a lack of understanding in software navigation, and basic fundamentals of Well Analysis. There were no business rules, work processes, or best practices in place that would drive system usage or address the metrics deemed important.

PATH FORWARD

Workflows and business rules were developed for each metric, including step by step instructions for wells falling outside the guidelines. A RACI chart was established for each metric with an owner.

CONCLUSIONS

Operators oftentimes purchase the hardware and software but fall short in maximizing the value due to lack of training, work processes and best practices. This exercise allowed the operator to step back and take a hard, detailed look at this part of the business.