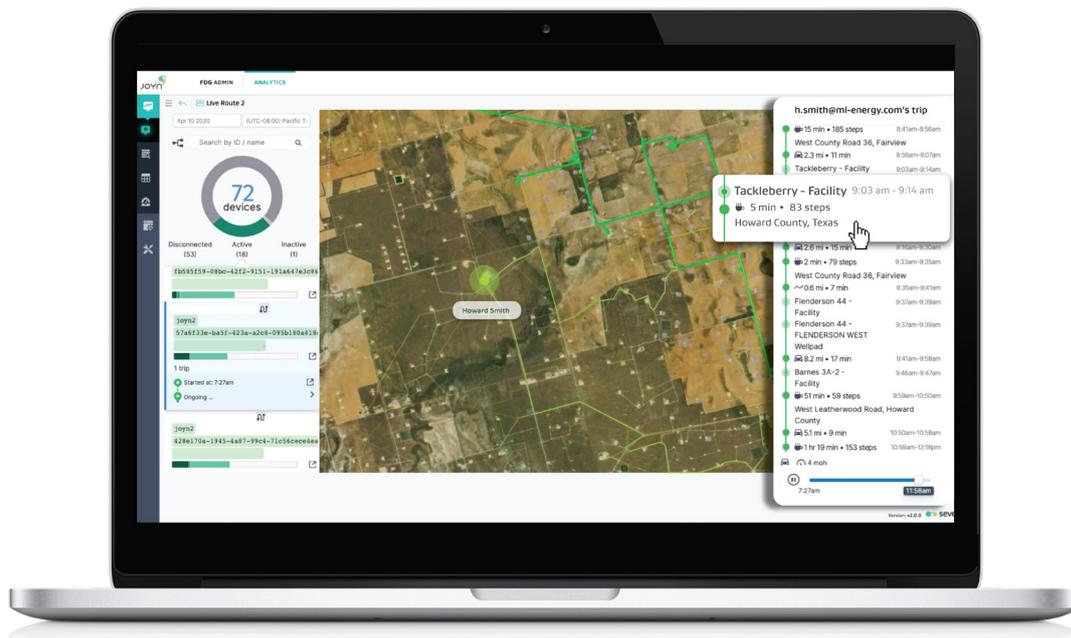


Permian Mid-size Continuously Optimizes Oilfield Operations by Leveraging the Cloud

A mid-sized company with assets in the Permian basin wanted to take bold strides as it optimized its operations on the field. Their workers were frustrated with a patchwork of vertical applications that executed stove-piped processes, together with manual processes involving greasebook entries, and daily transcribing of paper-based readings into spreadsheets. This data in turn was uploaded into applications with limited ability to share information across the oilfield.

To achieve a more agile and cost-lean oilfield, they needed for a better, more modern way to leverage their data, improve data quality, and empower their workers. They wanted their vital lease operators (LOs), to complete more tasks in every working day. And perhaps most importantly, they wanted to ensure their LOs could complete critical tasks by the end of each shift, especially for the company's high-risk wells that required more careful monitoring.



3 Ways JOYN Innovation Made a Difference

By implementing JOYN on its oilfield, this Permian Basin producer was able to implement these game-changing innovations:

- **Dynamic task routing, prioritizing and dispatching.** By applying historical drive times, task completion times, and uplift estimates that are both well specific and operator specific, the company leveraged that data together with GPS location to connect the closest field workers to the highest priority tasks in an automated way, and then assigning the best qualified operator in real time.



Optimization

- **Real time tracking.** JOYN enabled field supervisors and planners to monitor and track all tasks and LOs on a map displaying current routes and planned activities. This view allowed them to confirm that routes are being optimized to avoid unnecessary drive time, to confirm that the highest priority tasks have been assigned to the optimal workers, and that task completion was possible by the end of the day.
- **Near real time visibility.** Once data is gathered by JOYN, it is synced to the cloud where it can be accessed by everyone on the oilfield and in the back office who needs. The visibility of JOYN data allows field leaders to level-load and fine-tune tasks and routes across their teams each day, as well as adding late-breaking high-priority tasks when needed.

And the benefits of JOYN spawned other capabilities that enhanced the field operations team:

- **Visibility into delinquent daily visits** was enabled, especially for its high-risk wells, by tracking the number of days each task remained open and average-stop total production, as well as tracking by score, task type, and well visit frequency and duration.
- **Troubling shooting abnormal well tasks** to identify potential points of failure before disruptions in oil production occurred. Workers could be dispatched to deal with problems in a predictive way.
- **Deep dive focus on critical tasks**, with supervisors and planners reviewing the high priority task assignments and execution throughout the day, empowered by JOYN to make changes in task assignments dynamically as changing oilfield conditions demanded.
- **Carry-over tasks were captured** in a close-of-day report that ensured high-priority tasks were not only being addressed with the right priority, but were being completed.