quorum software

3 Advantages of Cloud-Native
Software for Oil & Gas Production

In oil and gas production operations, time is of the essence.

Picture this: your well drops production by 50 percent and you don't find out about it for two days – that's two days' worth of enormous outputs and revenue that have been stalled due to inefficient or manual data collection processes. In another instance, your state makes a massive change to its reporting requirements, but you can't take the necessary steps to quickly address them because you're still relying on outdated, on-premises software. Scenarios like these happen all too often, and are entirely preventable.

Many of today's production challenges are driven by change. Oil and gas companies want to be leaner and not drive out to wells as often as they used to, in addition to automating more processes and collecting data faster. But the solutions to these challenges all require agility and speed, none of which their old software (or SaaS software they've been incorrectly led to believe is cloud-based) is equipped to handle.

So, what if we told you the cloud was the key to solving your common production hurdles? Keep reading as we elaborate on three of the biggest advantages cloud-native software can bring to your production operations.

① Zero Downtime Deployment to Reduce Unplanned Maintenance

One of the greatest production hindrances oil and gas companies experience today is directly tied to the old, on-premises software they're still using. Most of the current software solutions on the market were originally developed to be on-prem, or on a local server controlled by IT. As cloud became more popular, many of these companies tried to find a way to sell this same software under the guise of the cloud. So, they adopted the concept of SaaS, but what they really did was put that same software on their own servers and gave companies access to them. The problem? It's still the same on-prem software, and the biggest downside to on-prem is the time and cost associated with upgrading to the latest version to take advantage of new features or bug fixes.

In a true cloud-native world, on the other hand, every user is on the same version and, with a concept called zero downtime deployment,

they can rest assured that their website or applications are never going to be down or unstable during the deployment process.

This is critically important in the oil and gas field, where regulation and reporting changes require regular, uninterrupted maintenance and upgrades.

> With cloud-based software, development teams can deploy changes several times a day without any noticeable impact on the end user.

This single user experience across your production operation saves you the time, frustration and cost while making sure you always have the latest functionality.

② Enhanced Data Collection to Deliver Real-Time Insights

The ability to input and analyze data insights in real-time is also critically important in the oil and gas field. In recent years, there has been a lot of effort put into making sure data collection is easy to use and accurate, and with a cloud-based software like Quorum's, that can be achieved. Our software – the only platform on the market that natively integrates both production management and SCADA systems – immediately combines automated readings with manual entries, drastically reducing the time spent collecting and reviewing data.

For example, in the past, many companies had to deal with three-day-long data allocation processes. This was their typical cycle: data would come in from the field, someone would look at it, the allocations would run at night, someone would look at the allocated data in morning and correct it, the allocations would run again at night, until finally, engineers received it for reporting on the third day.

> With near real-time allocations, as soon as that data comes in from the field, it gets automatically allocated and is ready for reporting – cutting the three-day review cycle to a matter of hours.

Now, in a situation where a well has produced less than expected, engineers may learn about the issue in near real-time and tweak the parameters to get it quickly back up and running, and therefore increase production and revenue.

③ Configurable Dashboards to Optimize How You Operate

In addition, cloud-native software can provide oil and gas companies full data warehouse capabilities. Because the software is hosted in the cloud, your data warehouse is also in the cloud – allowing you the ability to integrate it directly with your internal system. With this integration, you will have access to a reporting database that you can use to build out your own dashboards, operational insights, reports and more. And because it's refreshed in near real-time, you're not bound by what we create as reports. While solutions like ours come with dozens of different useful dashboards and reports, we recognize that companies like yours each like to analyze their data a little bit differently. Therefore, another perk of cloud-native software is having the ability to create every view you'd like, on top of your data, to optimize how your unique teams operate.

Faster data, better reporting and more accurate allocations are available right at your fingertips.

For those still relying on outdated production software, now is the time to reevaluate your business goals and determine whether cloud software might just be what you need to connect the dots on production performance. Quorum offers cloud-based production operations software that empowers your teams to produce more reliable results, manage by exception, operate more wells with less complication and feel confident in revenue calculations.
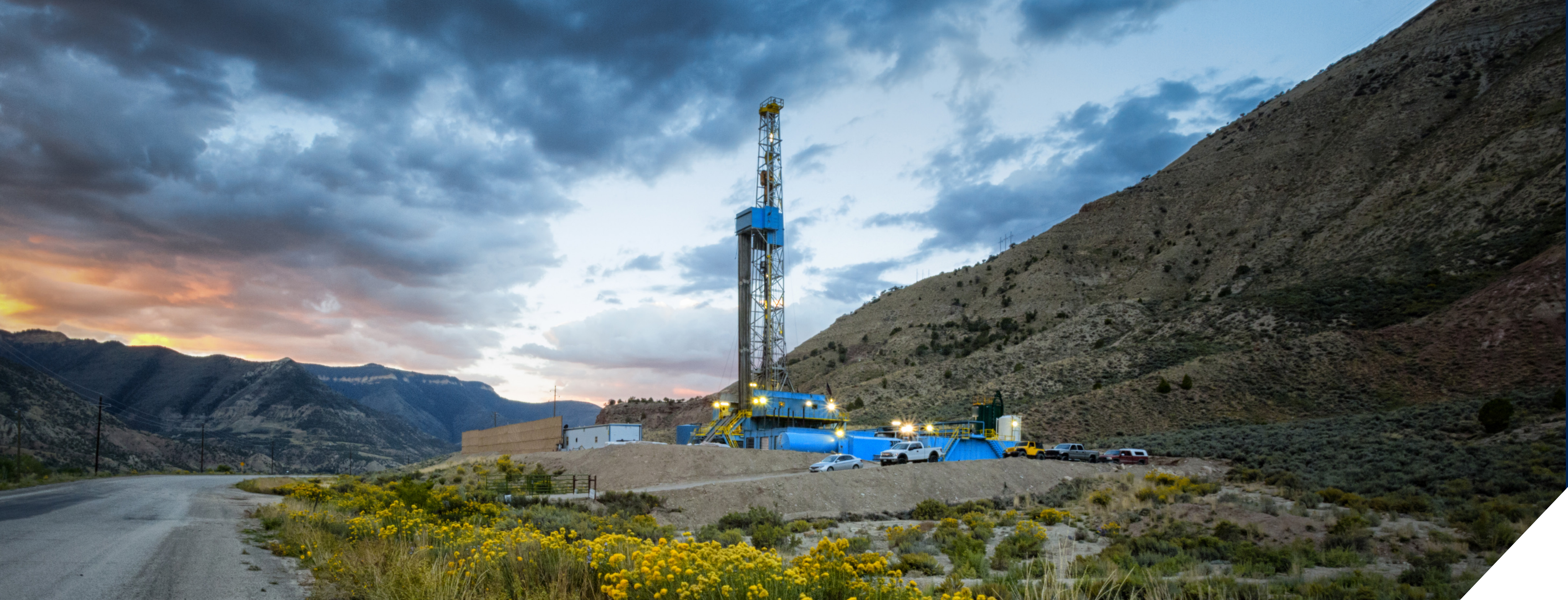
Quorum Software powers growth and profitability for energy businesses by connecting people, workflows, and systems with decision-ready data.

For more information or to request a demo, visit quorumsoftware.com or email info@quorumsoftware.com