

CASE STUDY

Upstream Oil and Gas

How a Kansas oil operator saved 30,000+ barrels annually and increased revenue by over \$2.5million

Customer Quote:

"ioX provided us with the flexibility, affordability, and efficiency we needed to monitor hundreds of wells with just a couple of pumpers. The ability to customize and self-install equipment has been a game-changer for our growing operations."

RESULTS



31,050 /YR
additional barrels produced



\$2.5M
Increase in annual revenue



\$120K
Annual labor cost savings



700
Wells remotely monitored



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CHALLENGES

An independent oil and gas operator in Eastern Kansas faced significant challenges in managing a growing number of wells with limited manpower, particularly in a low-production region where daily well monitoring is critical to maintaining efficiency. Traditional monitoring methods often delayed detection of well failures by up to 3-4 days, resulting in lost production of 10-20 barrels per well during downtime. High-volume wells added complexity, as manual checks to identify pressure fluctuations were time-intensive and often overlooked, further prolonging downtime. Additionally, water tanks tied to disposal wells posed environmental risks when issues like stuck floats or blocked lines caused overflows, requiring costly remediation. These inefficiencies underscored the need for a scalable, real-time monitoring solution to improve operational performance and reduce risks.

SOLUTION

The operator implemented ioX-Connect® remote monitoring solutions to address their operational challenges effectively. By equipping wells and water tanks with advanced wireless sensors, they gained real-time visibility into performance, enabling faster detection of well failures and significantly reducing downtime from 3-4 days to under 12-15 hours. This improvement saved 10-20 barrels of production per well during failures, boosting overall efficiency. Continuous pressure monitoring eliminated the need for manual checks on high-volume wells, ensuring timely responses to issues. Additionally, water tank sensors provided early alerts for disposal well or equipment malfunctions, preventing costly environmental incidents. The solution's cost-effective pricing, customization options, and self-installation capability made it a scalable and practical choice for their growing operations.

BENEFITS

Cost-Effective Pricing:

ioX-Connect's pricing structure was designed to support high-volume, low-production operations, encouraging the deployment of sensors across a large number of wells.

Customization Flexibility:

The customer leveraged ioX-Connect's customization options to tailor monitoring solutions to their unique operational needs.

Self-Installation Capability:

Customer's team appreciated the ability to purchase and install equipment themselves, keeping critical parts in inventory and minimizing downtime during repairs.