



# CASE STUDY

How a Small Independent Oil & Gas Company  
Increased Production by 38% with RIOT  
SCADA—and Zero Well Work

# OVERVIEW

RIOT Industrial is a Texas-based automation company specializing in SCADA, PLC programming, and AI-driven production optimization. We serve independent producers across the Permian Basin, including West Texas and Eastern New Mexico.

## BACKGROUND

In late 2024, an Independent Producer deployed RIOT SCADA and pump-off controllers (POCs) across its older assets in two leases. The goal: give field personnel real-time visibility and control over well runtimes, improving production without increasing OPEX. The result was a 38% BOPD gain—achieved with no physical well work.

Historically, operators on these fields adjusted runtimes using old school timers with delayed feedback.



By January 1, all wells in the fields were tied into the centralized SCADA platform. This provided instant access to each POC, enabling remote changes to runtime, downtime, and cycle settings.

# OUR INNOVATION



Operator Expertise + RIOT SCADA = Better Wells

With full system access, operators could now:

- Remotely adjust downtime/runtimes on each well
- Continuously monitor producing bottomhole pressure trends
- Fine-tune cycle efficiency without increasing energy costs
- Identify hidden optimization opportunities with real-time data

No well workovers. No equipment swaps. Just smart SCADA usage.

## TECHNICAL IMPLEMENTATION

RIOT INDUSTRIAL'S TECHNICAL TEAM DEPLOYED A CUTTING EDGE SOLUTION THAT DELIVERED BETTER THAN EXPECTED RESULTS ON DAY 1

- Pump Off Controllers (POCs)
  - Added to older assets that had historically been controlled using inefficient timers
- RIOT SCADA Integration
  - Real-time data visibility
  - Real-time pump card analysis
  - Built-in historian for reporting
  - Guaranteed alarm callouts for faster responses



# SOLUTIONS

When needed, RIOT installed wired or wireless instrumentation and flow meters to give the operator with the necessary telemetry data.

## WELLSITE INSTRUMENTATION

- Lufkin Well Manager 2.0
  - with 0-30,000lb Load Cell
- Sensia MC Synergy (MC-III) Flow Totalizer
  - Flow Rate, Daily Flow Total, and Total Flow data being pulled into POC via Modbus RS-485
- SignalFire Wireless Pressure Transducer
  - Calibrated and read by POC via 4-20mA signal



# OUTCOME

Two key leases—Lease A and Lease B—saw measurable gains in oil production within weeks of optimization efforts without any measurable downtime.

## WHAT HAPPENED

- After implementation of RIOT SCADA, operators were able to monitor well performance in real-time
- Communication between operators and engineers streamlined
- Engineers were able to make necessary setpoint changes remotely with field teams verifying production

SITE	BOPD INCREASE	INVESTMENT
Lease A	24%	\$129,600
Lease B	52%	\$136,300
<b>Average / Total</b>	<b>38%</b>	<b>\$265,900</b>
<i>At \$50/barrel, production increase yields a <b>payout period of just 7 months!</b></i>		



# RESULTS

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For small independent producers, remote site spills can have outsized impacts on profitability and reputation. Localized Automation and SCADA systems solve this problem.

## TAKE AWAY

By combining localized SCADA visibility with proactive operator engagement, this small independent producer turned everyday field management into a measurable production win.

- Achieved fast return on investment
- Eliminated a major source of operational risk
- Improved internal communications and decisions
- No big workovers. Just smarter use of technology.

This case demonstrates the power of simple automation tools—when used intentionally—to unlock hidden value in mature fields.

RIOT Industrial: Smart solutions for smart producers.

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# CONTACT US TODAY

Inspired by this success story?

Schedule a call today.

**BOOK NOW**



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