



CASE STUDY

How an Independent Oil & Gas Producer in Texas
Stopped Oil Theft and Achieved a 15-Day ROI

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

An independent oil and gas producer operating 120 wells in the Permian Basin, producing approximately 800 barrels of oil per day, was facing a costly and frustrating challenge — repeated crude oil thefts from their remote facilities.

Over a 60-day span, the operator experienced three separate thefts across multiple locations. In one case, the first load from a brand-new well was stolen before it ever made it to sales.



The losses totaled more than \$42,000, not including the time spent investigating, lost production hours, and the hit to employee morale. Something had to change.

WHAT THEY TRIED FIRST



Before turning to the Oil Guard, the operator took several steps on their own to stop the thefts:

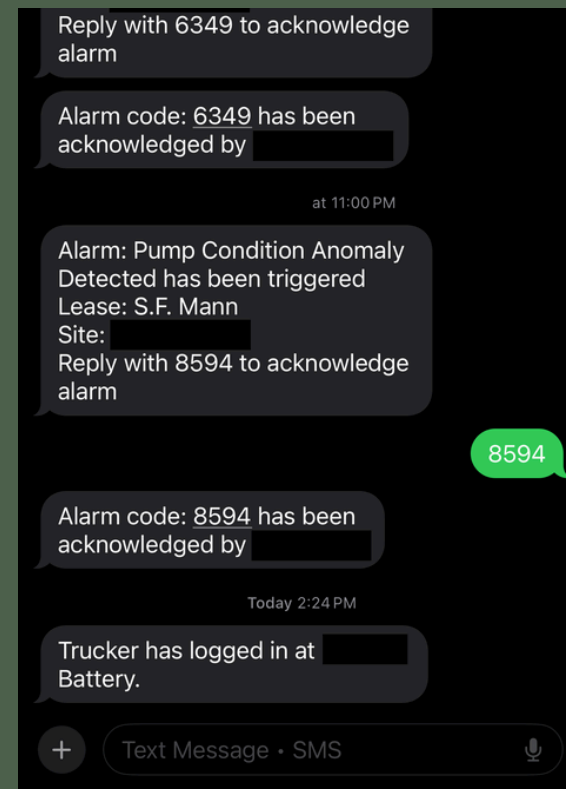
- Enforced lockout-tagout processes
- Installed padlocks and heavy-duty clasps on tank valves and load lines
- Mounted security cameras at strategic points around the site

While this was good, the thefts continued. Thieves cut locks, stayed out of camera range, and often struck at night. The operator realized they needed a system that provided real accountability — not just barriers and footage after the fact.

TECHNICAL IMPLEMENTATION

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

- Oil Guard Pin Code Access System
 - Actuated valve on load line that only opens when the correct pin code is entered
 - 10 Pin codes available for easy tracking
- RIOT SCADA Integration
 - Real-time data visibility
 - Real-time notifications on login
 - Built-in historian for reporting
 - Guaranteed alarm callouts



SOLUTIONS

The production company turned to Oil Guard, an access-controlled automation system purpose-built to prevent oil theft on remote facilities.

OIL GUARD SOLUTION

Oil Guard replaces vulnerable mechanical locks with secure, code-based access and automatic fail safes, logging every transfer and sending instant alerts to operators through RIOT SCADA integration.

Installation and commissioning took just one day, handled entirely by the RIOT Industrial team. By the next morning, the system was live and fully protecting the site.



RESULTS

For small independent producers, oil theft has outsized impacts on profitability and reputation. The Oil Guard System solves this problem by locking access to authorized personnel only.

TAKE AWAY

Since installing Oil Guard, the operator has experienced zero thefts at any protected site. Word spread quickly in the area, and attempted thefts dropped to zero.

The system paid for itself fast — a 15 day ROI — and continues to deliver value through accountability, visibility, and peace of mind.

TRUE	Zero Oil Thefts Since Installation
TRUE	\$42,000 in Quarterly Loss Prevented
TRUE	Full Installation and Commissioning in 1 Day
TRUE	15 Day Return on Investment

CUSTOMIZABLE

“Before Oil Guard, we couldn’t keep up with how fast oil was disappearing. Now we know exactly who loaded what, when, and where — and it’s stopped the problem completely.”

— *Operations Superintendent*

OPTIONAL CUSTOMIZATIONS

For independent producers, Oil Guard delivers immediate protection, quick payback, and complete confidence.

In an environment where every barrel counts, it’s one of the simplest and most effective theft-prevention systems available.

Proven in the field, and backed by RIOT Industrial’s one-day turnkey installation.

OPTION	BENEFIT
Tank Level	Real-time monitoring and alarming of sudden changes
Flow Totalizer	Catch differences between reported and actual load totals
Solar Power	Off-Grid protection for sites with no external power

CONTACT US TODAY

Inspired by this success story?

Schedule a call today.

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