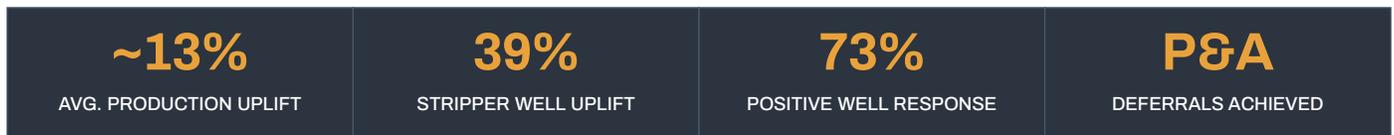


Production optimization analytics with documented field results.

Galileo is Iron-IQ's analytics layer. It sits on top of Patch-IQ and turns raw SCADA streams into clean, query-ready, high-resolution operational data. Full lift-cycle history, setpoint change correlation, and production dashboards for optimization and routing.



Source: Iron-IQ Plunger Lift Optimization Study — 90-Well Rocky Mountain Cohort

ROCKY MOUNTAIN PLUNGER LIFT OPTIMIZATION STUDY

Iron-IQ conducted a structured production optimization study across a 90-well Rocky Mountain operator. Galileo provided the high-resolution lift-cycle data, setpoint change history, and production outcome correlation needed to quantify uplift.

73% of wells responded positively to optimization. Average uplift across the cohort was approximately 13%. Stripper wells showed 39% average uplift. P&A decisions were deferred on multiple wells that responded to optimization.

WHAT GALILEO DELIVERS

- Full lift-cycle history — not polling snapshots
- Setpoint change correlation against production outcomes
- Cleaned and normalized SCADA data in Snowflake
- Production, optimization, and routing dashboards
- Data stories connecting field activity to outcomes
- Notes, workovers, and field event correlation
- Cross-portfolio well performance visibility
- Query-ready data for engineering teams and BI tools

WHAT GOES INTO GALILEO

Lift-Cycle History

Complete cycle-by-cycle records for plunger lift wells, including arrival, fallback, and shut-in events. Full granularity, not aggregated averages.

Setpoint Log

Every setpoint change is timestamped and correlated against production outcomes, building a documented cause-and-effect record across your portfolio.

SCADA Streams

Cleaned and normalized SCADA data from Patch-IQ, structured in a consistent data model across all lift types and assets.

Notes and Events

Operational notes, workovers, and field events are correlated with production and equipment data for full context around anomalies.

WHY LIFT-CYCLE DATA CHANGES THE OUTCOME

Most SCADA systems capture data at polling intervals. Galileo ingests full lift-cycle data from Patch-IQ, giving engineering teams the resolution they need for accurate optimization. Polling-interval averages mask the events that matter. Lift-cycle data reveals them.

Stripper wells — the hardest wells to optimize with legacy tools — showed 39% average uplift in the Rocky Mountain study. P&A deferrals were documented on wells that responded. The difference is data resolution.