Ambyint

Production. Optimized.

Scalably ensure production meets or exceeds plan on all wells with **Ambyint SmartStream™**

CHALLENGE

The demands on E&P operations teams often exceed their capacity. Engineers typically spend their day analyzing data and fighting operational fires leaving little time for design, optimization, and other high value activities. Unfortunately, although there is a wealth of data available, accessing quality data and actionable information remains a challenge and limits the number of wells even the best engineers can effectively manage in a day. Metering and calibration errors, for instance, occur on as much as 60% of wells in a given year.

As production and operational data streams are more noise than signal for most E&P companies, less obvious, gradual issues, such as liquid loading, mechanical wear, and meter drift, consequently fall through the cracks. Many producers unknowingly have wells with off-plan production volumes for weeks or months, resulting in missed targets, deferred revenue, and higher-than-necessary operational costs.

BENEFITS

► **Increase production by 2% by reducing deferred production**

► **Identify production-impacting anomalies early**

► **Proactively identify wells going off plan**

► **Increase operational efficiency with centralized information capture**

SOLUTION

Ambyint SmartStream identifies wells where production does not meet plan and shows operations why those wells are off-plan across the entire well lifecycle. The software effectively scales engineers' daily routines by removing time-consuming, repetitive tasks.

It starts by creating an impartial plan of every production stream. Artificial Intelligence (AI) examines those production streams 24 hours per day, 365 days per year looking for anomalous behavior - both gradual and sudden - and surfaces those insights in a user-friendly dashboard.
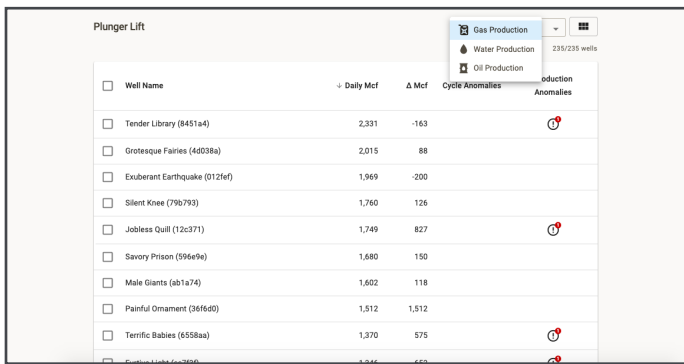
SmartStream also acts as a collaboration hub. Production teams can log and view well notes and events gaining insights into the production impacts of interventions. Structured well notes centralizes and organizes the "tribal knowledge" typically found in the field.

Better insights and more timely interventions significantly minimize deferred revenue and avoid excessive, reactive intervention costs getting wells back online.

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PRODUCTION SURVEILLANCE

Organizational efficiency and communication improves by breaking down silos between multiple teams, reducing the time required to discover off-plan wells, and enhancing the ability to meet forecasts.
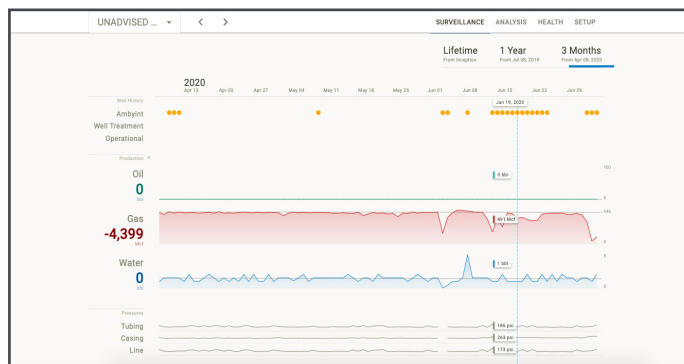
► Survey more wells in less time

► Easily spot production uplift opportunities

► Customize via tags based on user preferences, operational purview, and well characteristics

EVENT MANAGEMENT

Event logging and analysis increases operational efficiency capturing all well interventions and operational detail in a structured single pane of glass.

► Centralize asset intelligence from optimization workflows

► Correlate cause and effect of events using an auto-lookback feature on every card

► Overlay well history with production to understand operational impacts

PREDICTIVE MAINTENANCE

AI finds issues at their onset by analyzing every production stream on every well type identifying anomalies, such as well loading, waxing/scaling off, mechanical wear, and frac hits.
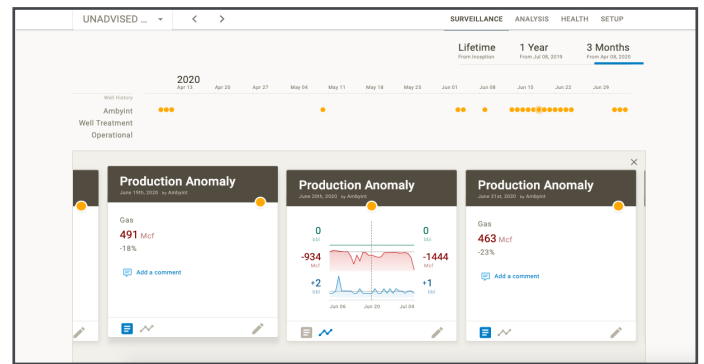
► Automate early detection of production issues across all three production streams

► Scale operational information through structured event cards

► Collaborate and mark well events for trending and training usage

SYSTEM INTEROPERABILITY

Data management, open API, and 3rd-party system adapter library provides secure read capabilities with existing production accounting and SCADA systems.

► Compatible with all major production accounting and SCADA platforms, such as P2 ProCount and Weatherford CygNet

► Accepts either daily allocated or metered production and daily average pressures

► Secure by design across data transport and cloud storage using TLS encryption

► Integratable into cloud-based data lake for operating or reporting use

About Ambyint

Ambyint, a market leader in production optimization for the oil and gas industry, delivers step-change improvements to E&P production outcomes and margins. Ambyint combines advanced physics and subject matter expertise with artificial intelligence to automate operations and production optimization workflows across all well types and artificial lift systems. For more information, visit www.ambyint.com