



Neuralog

"We discovered and developed 30 opportunities, making over 700,000 barrels and 3 BCF."

Case Study: Yellow Rock LLC

Executive Summary

One hundred years' worth of historic well and field records buried Yellow Rock LLC in paper, impeding required comprehensive review. Data access and interpretation were very difficult. A methodical approach of data assessment, scanning, digitizing, and preparing for integration and analysis revealed many opportunities. Results yielded to date include the following.

- Over 30 successful restorations of production, recompletions, and drilling operations
- Successfully litigated the geologic impact of a subsurface trespass and involuntary conversion by third parties

"We couldn't have exploited this opportunity without Neuralog. Finding the remaining potential in 100 years of data would have been insurmountable. Neuralog solutions are the most efficient on the market. Two of us do the work of many more."

Todd Bertolet
Authorized
Representative

Challenges: Volumes of Legacy Records

The Sulfur Mines Field, Louisiana, has over 1,000 wells covering the Sulfur Salt Dome, many of which were drilled near the turn of the century, initially for sulfur and then beginning in 1926 for oil with well #719. When Yellow Rock purchased the field from Burlington in 2003, there were volumes of legacy records, including logs, maps, and reports.

Action: Making the Field Analysis-Ready

The [NeuraScanner](#) was used to scan logs and other records, while [NeuraLog](#) and [NeuraMap](#) were used to digitize those records and prepare them for modern software-based analysis. Scanning, digitizing, and data integration of the records provided limited staff with a comprehensive review of the data to uncover opportunities.

Result: Opportunities Discovered, and Many More Remain

Instantaneous access has sped up the analytical workflow dramatically. The results of the data review and analysis revealed many new opportunities. To date, over 30 successful operations have been conducted to reestablish production in a once forgotten field. Additional opportunities remain to insure the viability of the Sulfur Mines Field into the future.

Takeaway: Small independent finds opportunities left behind in historic fields

About Yellow Rock LLC

Yellow Rock LLC is a privately held oil and gas company focusing on remaining potential in the Sulfur Mines Field in Sulfur Louisiana.

Todd Bertolet and John Cox are independent geologists and principals.

About Neuralog

Neuralog is the leading provider of software-hardware solutions to help petroleum geologists and their asset teams generate prospects, evaluate leases, and solve E&P problems efficiently for maximum company productivity. Thousands of businesses in over 100 countries rely on Neuralog every day.