

Case Study: Privately-Held Top-50 E&P Company

Executive Summary

Before contacting Neuralog, this private company struggled with a geological package that limited their abilities. Neuralog provided them solutions for capturing data, digitization, improved visualization, and flexible geological workflows, which increased the quality of their evaluations and the speed of their analysis. Key results include:

- More in-field opportunities discovered, resulting in more lower-cost and lower-risk production
- Far better analysis of complex faulting and stratigraphy

“NeuraSection excels as a correlation tool that is extremely valuable in identifying and correlating tops and faults in areas of complex structure and stratigraphy. It is superior as compared to other applications.”

Lead Geologist

Challenges: A Wide Variety of Geological Workflows

Geological workflows require a flexible tool set with advanced software rendering. For this company, it must accommodate the wide variety of geological work that staff are engaged in, the approach of their thinking, and the variety of data and analysis they need for a quality evaluation. Inflexible applications and poor rendering made the work more difficult, increased the time on task, and resulted in inferior evaluations.

Action: Increase Productivity While Reducing Costs

[NeuraSection](#) has a variety of advanced features not available in other applications. Advanced raster rendering permits users to visualize logs much faster with more detail, and can handle long cross sections with 50 or more logs. NeuraSection also boasts a unique flexible correlation technology, allowing the geologist to approach the task regionally, stratigraphically, or both simultaneously. The geologist can scroll to choose faults, tops, etc. while viewing the most important regions or sections, as appropriate. Finally, the [NeuraScanner](#) captures legacy logs and analysis at no cost and is able to integrate them into the workflow in minimal time.

Result: More In-Field Development, with Lower-Cost/Lower-Risk Production

NeuraSection's greater efficiency in geological workflows has provided this Top-50 private company with more robust evaluations. They have discovered more in-field opportunities, including new wells and recompletions, where costs and risks are lower. Integration and support of NeuraSection analysis with other industry standard applications ensures the future of NeuraSection as other applications change for their customers.

Takeaway: Private company leverages better geology analysis to generate more opportunities and to uplift lower-risk lower-cost production

About This Company

Among the top 50 private US E&P organizations, this company focuses on detailed reservoir analysis and drilling in the Texas Gulf Coast, Delaware Basin, Appalachian Basin and the mid-continent region of Oklahoma and Texas. This company is consistently looking for and evaluating acquisition opportunities to complement its operations.

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.