

## **Well Logs**

### Digitizing

At RAMTeCH, we contribute our approach to digitizing well log curves and storing the digitized information into the database or data file server with multi-agent perspective. Regardless of data type, RAMTeCH has the experience necessary to optimize the recovery and digitization of older data formats.

According to the characteristics of the well-logging parameter graphs, we implement the following:

- Scanning and Digitization : Well Line and Litholog
- Output Generation in ASCII, LIS & LAS
- Log Data Editing, Depth Correlation, Stretch and Squeeze
- Data Integration with Geological Data
- Well Log Indexing and Depth Registration
- Well Log Analysis – Cross Plot Generation, Petrophysical Analysis

RAMTeCH's Digitization process is a fast and efficient method that accurately converts paper log data to digital API format (LAS/LIS), which can then be used for further processing. The digitizing works in either multiple-curve auto-tracking mode or single-curve auto-tracking mode for monochrome, 8-bit color, or true-color scanned images. For older and more difficult logs, a semi-automatic mode can be used and in the most difficult cases a manual approach is taken at RAMTeCH to convert the logs. The advantage of working with the raster file is that it can be used as a backdrop to digitize against in a "heads up" way. It also allows the integration of well curves that are available on tape with vectorized output.