This sample of oil-based drilling mud demonstrates the application of low-field NMR for well-logging and geological core sampling

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Field strength: 4.5 MHz

Why is this your favorite spectrum?

I wrote an algorithm to process this data using the matrix pencil method because the data was so noisy that the inverse Laplace transform technique failed. This is one of the first 2D spectra that I've processed with field data using this technique, which takes under a second to run.