

# Commercial Testing Services

Work with the rock core NMR Experts: Send your samples to GIT

**Green Imaging Technologies** offers a unique suite of commercial non-destructive NMR testing services in our fully equipped rock core analysis lab. GIT lab staff are experts in NMR rock core analysis and are continually training on the latest techniques.



## ADVANTAGES

Our commercial testing services provide an opportunity to take advantage of the speed and data richness of NMR-based rock core analysis without setting up your own lab. Even if you have your own NMR lab, our expertise can be used for result validation, or for advanced analysis.

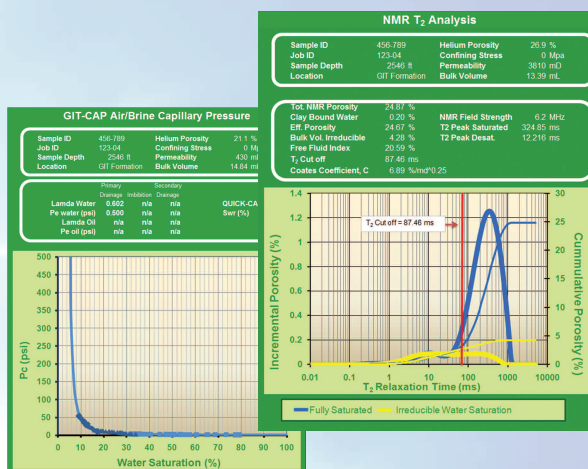
Our testing packages are non-destructive, and our methodologies have been vetted by NMR industry experts.

## EXCLUSIVE MEASUREMENTS

Our lab is the only commercial lab certified to perform our GIT-CAP capillary pressure measurement, which is the fastest method of getting a measured Pc. A byproduct of GIT-CAP is the ability to measure both positive and negative portions of the Pc curve.

No other lab matches our NMR rock core analysis expertise. GIT offers custom testing solutions that will ensure you find the right solution for your difficult exploration regimes.

GIT's lab specializes in unconventional plays; those with low permeability and low porosities. Our lab is equipped with two NMR instruments, two centrifuges and all the equipment necessary for core preparation, from cleaning to saturation.

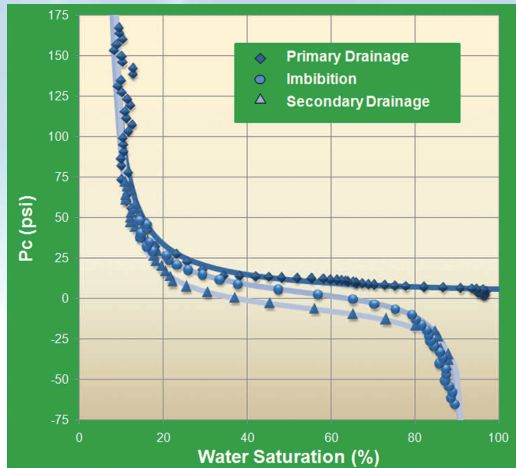


## AVAILABLE TESTS:

- T<sub>1</sub> and/or T<sub>2</sub> pore size distribution
- FFI, BVI, T<sub>2</sub> cut-off, spectral cut-off, and NMR permeability
- Coates and/or Log Mean permeability modeling
- ID porosity profile
- Internal field gradient analysis using multiple TE's
- GIT-CAP capillary pressure (Pc)
- Irreducible water saturation
- Entry pressure
- Diffusion distribution
- QUICK-CAP Pc Modeling
- Relative permeability from Pc
- Pore throat size from Pc
- Wettability
- Relaxivity determination
- CBW Comparison
- Statistical Analysis across samples



Our lab performs NMR-based rock core analysis measurements using robust lab techniques and our GIT Systems software. In addition to traditional NMR analysis such as  $T_1$  and  $T_2$  cut-offs, Green Imaging Technologies offers more advanced core analysis methods, including our patented capillary pressure measurement, GIT-CAP™. We can perform NMR analysis 5 times faster, while getting up to 10 times as many data points per scan.

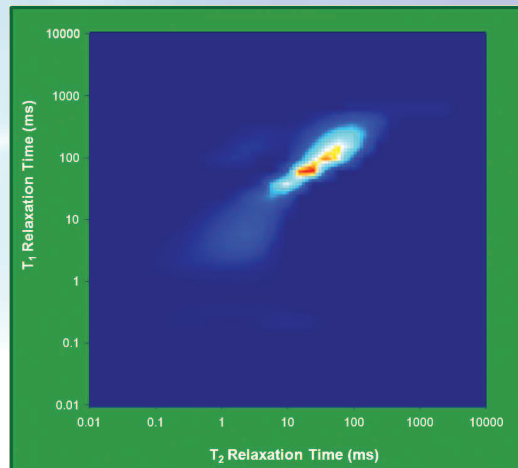


## FULL CAPILLARY PRESSURE ANALYSIS

The GIT lab can produce air/brine and oil/brine capillary pressure results: primary drainage, secondary drainage; and imbibition. Exclusive to our lab is the ability to measure the positive and negative portions of the curves.

## COMBINED WELL LOG CALIBRATION AND SCAL PROTOCOLS

Using our patented measurement techniques, we can combine your well log analysis with advanced SCAL measurements saving you significant testing time. Our non-destructive testing techniques protect your core while saving many preparation steps, getting you your cores back quickly and safely.



## SCAL MEASUREMENTS

Our lab can provide you with many advanced core analysis measurements based on our patented NMR measurement techniques. We are able directly derive additional petrophysical properties from our measured data. These include pore throat distributions, relative permeability, relaxivity parameters, and wettability.

Maximize your core data. Send your core to the NMR experts, Green Imaging Technologies.



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