

WellDog: A long established unconventional resource technology and service company

Founded in 1999, **WellDog** blends science and service to generate innovative solutions to the complex problems that arise in the unconventional resource industry. **WellDog's** mission is to drive industry sustainability through georesource innovation.

Reservoir characterization

- + Gas testing—Gas content testing in coal, shales and other tight formations
- + Permeability testing—Permeability analytics in coal, shales and other tight formations
- + Lab services—petrography and geochemical analysis

Reservoir monitoring

- + Downhole permanent electronic pressure and temperature sensing—artificial lift optimization and reservoir monitoring, single and multizone.
- + Downhole distributed acoustic and temperature fiber optic sensing—frac and production monitoring across the lateral.

Carbon Services

- + Monitoring, verification and accounting services for carbon sequestration

Artificial lift systems

- + Progressive cavity pumps
- + Solids management

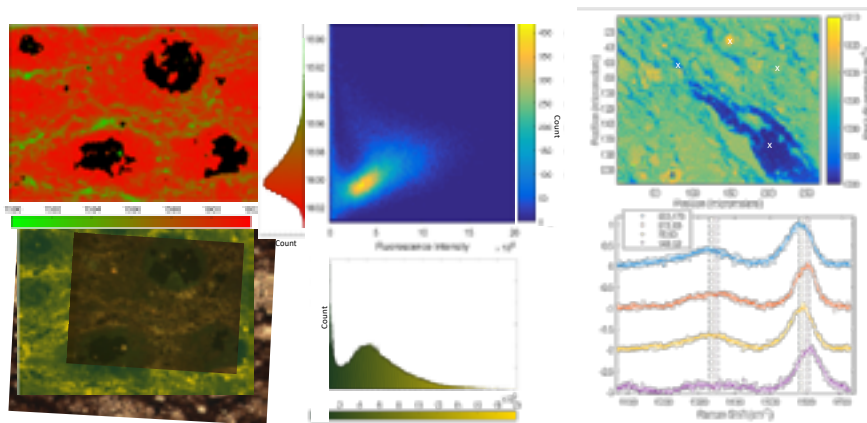


Reservoir RockHound

Quantitative, repeatable petrographic and geochemistry services

Reservoir RockHound (RRH) provides rapid, molecular geochemical and petrological analysis of core samples, thin sections and drill cuttings.

This innovative lab service provides an automated, non-destructive analysis of samples using cutting edge optical and spectral microscopy. Providing a comprehensive geochemical analysis that is reproducible and non-subjective.



WHAT IS ROCKHOUND AND HOW DOES IT WORK?

Rockhound is a lab service that allows geologists and production engineers to define specific areas of interest in a sample and specify what type of data they would like to see--all done through a secure web interface with support from the Reservoir RockHound team.

After the data is gathered from the sample, it can be returned to the customer in the "as analyzed" form or stored on premises. Both the sample and collected data can be reused for further, more complex evaluation.

EXAMPLES OF THE ANALYSES PROVIDED BY ROCKHOUND INCLUDE:

- + Bulk inorganic mineralogy
- + Mineralogy distribution maps
- + Carbon Distribution and TOC
- + Microfossil identification and distribution
- + Thermal maturity*
- + Kerogen and bitumen analysis*
- + Grain shape and orientation*

*Advanced Services available upon consultation



WHY USE ROCKHOUND?

- + Optical and molecular analysis
- + Multiple data sets from one test
- + Minimal sample preparation
- + Reproducible, repeatable and quantitative
- + Limited training and experience required
- + Interactive, web-based reporting