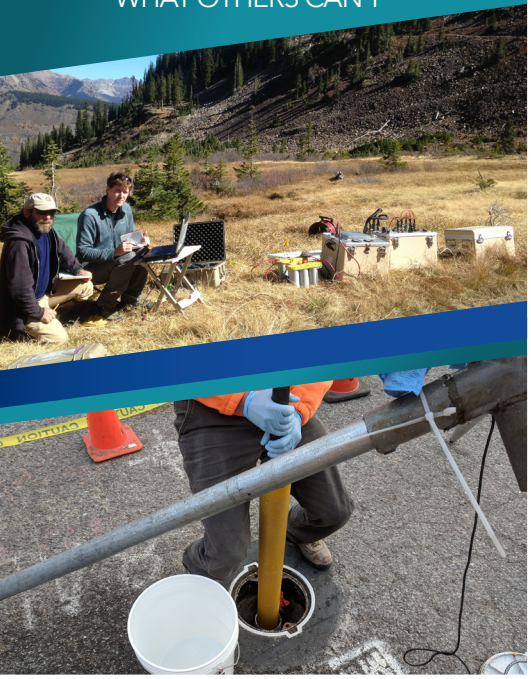
MAGNETIC RESONANCE GEOPHYSICAL SERVICES

WE HELP YOU SEE
WHAT OTHERS CAN'T

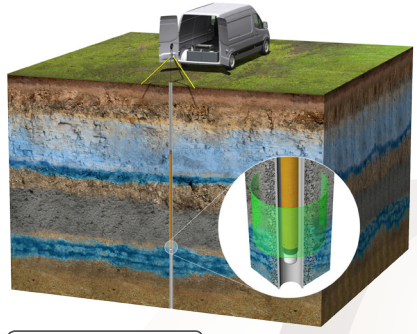


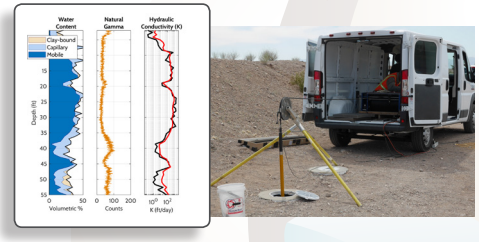
- Porosity
- Pore Size Distributions
- Hydraulic Conductivity
- Bound and Mobile Water Content

VISTACLARA INC.
NMR GEOPHYSICS

Measure Directly. See it Clearly.

High resolution characterization of aquifer properties using **Javelin**® Magnetic Resonance logging tools





Expert use of Javelin® Magnetic Resonance logging tools for:

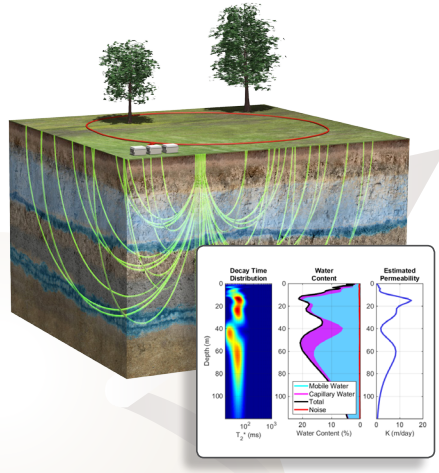
- 2 inch to 10-inch dia. PVC cased monitoring wells
- 2 inch to 18-inch open holes
- Geoprobe® direct push logging

Geophysical logging programs to complement magnetic resonance for lithology, borehole geometry, and electrical conductivity:

- Gamma + Dual Induction
- Gamma + Focused Resistivity
- Caliper + Deviation
- Fluid temperature + Fluid electrical conductivity

The unique expertise to collect, analyze and interpret MR geophysical data alongside complementary geophysical methods

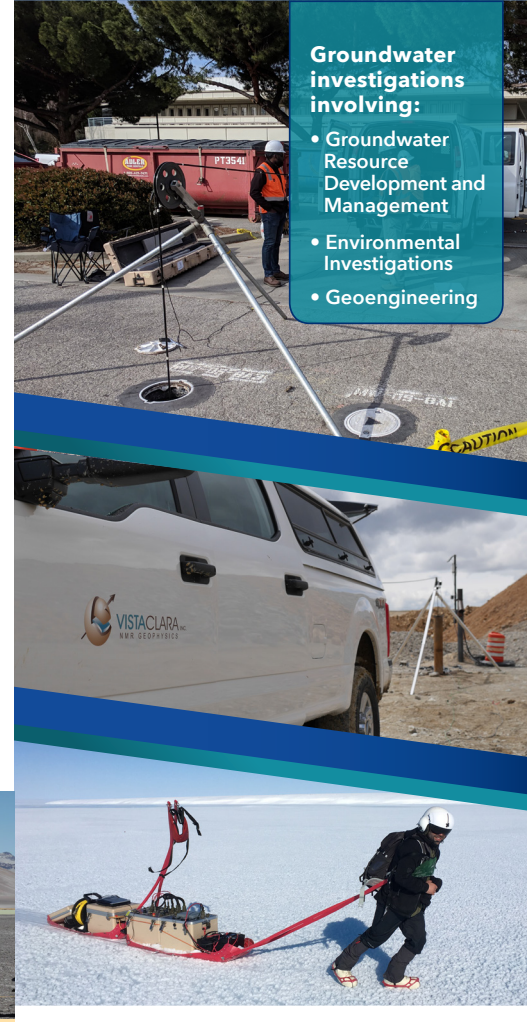
Direct, non-invasive detection and imaging of groundwater using **GMR**™ surface Magnetic Resonance



- Direct detection and imaging of groundwater to 500ft (150m)
- Bound and mobile water content
- Relative pore size distributions
- Hydraulic conductivity and transmissivity

Additional Magnetic Resonance-based value-added services:

- Laboratory and field MR core analysis
- Site-specific optimization of MR hydraulic conductivity and mobile/bound water content.
- MR-based hydrogeologic parameters for:
  - Optimized well completion
  - Conceptual site modeling
  - Basin-scale groundwater modeling



Groundwater investigations involving:

- Groundwater Resource Development and Management
- Environmental Investigations
- Geoengineering

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