

**East Texas Subchapter  
of**



**(NORTH TEXAS ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS)**

**MEETING NOTICE**

**LOCATION:** McKay's Ranch House (1603 US Hwy 259 Business) – Kilgore, Texas

**DATE:** June 8, 2022

**TIME:** 11:00 - Meet & Greet  
Lunch - 11:30 (Gehrig, Inc. has graciously decided to pay for lunch!)  
Meeting & Presentation – 12:00–12:45

**CONTACT:** Les Jeske (President) [ljeske@solutientgeosciences.com](mailto:ljeske@solutientgeosciences.com)

Judd Sheppard (Vice President) [judson.sheppard@wasteconnections.com](mailto:judson.sheppard@wasteconnections.com)

Jeanie Odom (Secretary) [jodom@ettline.com](mailto:jodom@ettline.com)

**SPEAKER:** Rusty Branch, Gehrig, Inc. – Vice President/Geoscientist

**TOPIC:**

## **Really Cool Case Studies in Applied Geophysics**

Applied geophysics can add value to the subsurface characterization process by increasing the subsurface “sample size” and filling in the gaps between the borings and detecting various subsurface targets. Geophysical imaging techniques also allow scientists and engineers to obtain data in areas where it may not be feasible to install borings.

Scientists and engineers are often challenged when tasked with developing a useful conceptual model of subsurface conditions at a project site. Locating subsurface targets can be difficult as well. Applied geophysics can be very helpful in many situations.

During this presentation we will review case studies where geophysical methods were applied to resolve issues for a variety of unique projects. The case studies include transportation, tunneling, and ghost tank location. I will address some general geophysical concepts in the process.