

“I’m extremely impressed—Willowstick solved our groundwater issue. They identified a well target, and we captured more water than the nearby spring.”

“Willowstick has proven that their geophysical techniques work! Municipalities should consider a well-siting study, we’re sure glad we did!”

“The first hole I drilled with Willowstick was estimated to produce 4000 gallons per minute—probably the biggest well in the valley!”

FIRST ATTEMPT
Well Production 4000 GPM
Artesian Flow

Take the guesswork out of drilling!

Applications

- Industrial /Commercial
- Public Supply
- Domestic
- Agriculture / Irrigation
- Stockwater
- Recharge / Recover

Reduce Risk of Drilling a Dry Well

WELL-SITING INVESTIGATION

- Geological Site Assessment
- Fracture Trace Analysis
- Onsite Geophysical Methods
 - Radiometric Gamma
 - Micro Seismic Resonance
- 3D Modeling
- Drill Targets

Pinpoint Accuracy

- Accurate fresh water drill targets
- Save \$60,000 to \$500,000 on missed drill sites
- Enhancing existing wells for maximum flow



willowstick™

WELL TARGETING TECHNOLOGY

CALL US TODAY AT 801.984.9850

WILLOWSTICK.COM



Willowstick's patented, cutting edge technology pin-points and maps High Accuracy Drilling Sites (H.A.D.S.) for wells. Willowstick also maps sub-surface water flow in 3D for preventative seepage redemption on large scale, projects, such as dams, canals, tunnels, and development sites.

ON-SITE INVESTIGATIONS

The aim of on-site investigations is to find ideal drilling locations with high-yield production. Willowstick employs a multi-step process, combining various technologies to identify promising spots.

Geological Site Assessment

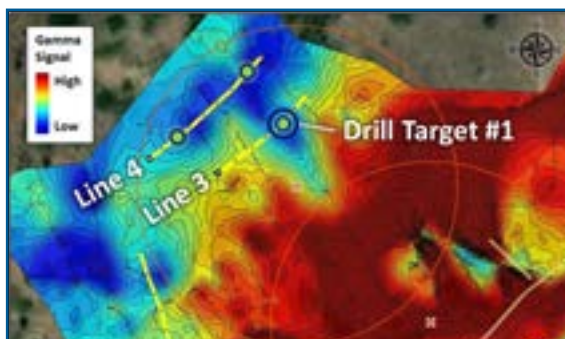
Identifying specific geologic formations and lineaments help locate potentially high-yielding well sites. This assessment along with a desktop property/well assessment and photogrammetry/lidar narrow down specific areas for the geophysical gamma and micro seismic survey field work.



RADIOMETRIC GAMMA

Gamma Map Data Illustration

The Gamma system rapidly measures and analyzes aggregate and spectral gamma signals to scout large areas efficiently. It detects geologic changes like faults and dikes, with green to blue zones on the map highlighting potential groundwater movement patterns in aquifer systems.



RADIOMETRIC GAMMA

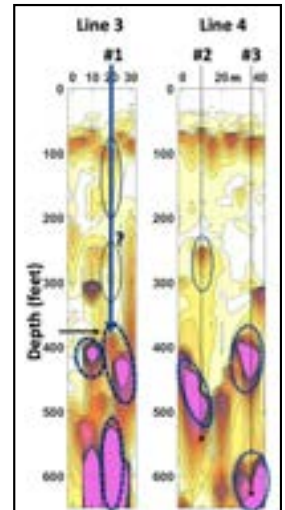
Proven Technology: Willowstick's proven technology greatly reduces the high cost of hit-and-miss drilling. Willowstick has consistently located high-producing wells—in most cases, on the first hole drilled. We would be happy to outline a well-siting investigation scope of work and provide a cost estimate for your chosen site.

MICRO SEISMIC RESONANCE

Micro Seismic Resonance (MSR) Data

The MSR system measures resonance signals from microseismic energy in the earth to find stress relief zones like bedrock fractures.

It can also spot layering and porous gravel zones for drilling targets. An MSR "shot" is similar to a "laser" measurement, with darker colors indicating stronger signals for pinpointing drilling targets.

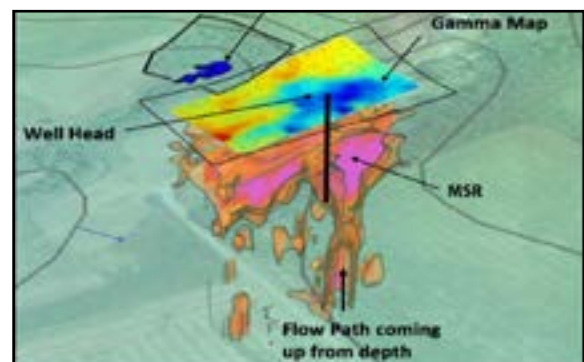


3D MODELING

Determining The Ideal Drilling Depth

3D modeling depicts essential site features relative to subsurface elements and anomalies.

These detailed models are generated promptly after data collection, aiding in determining the ideal drilling depth for identifying shallow or deep groundwater aquifers.



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