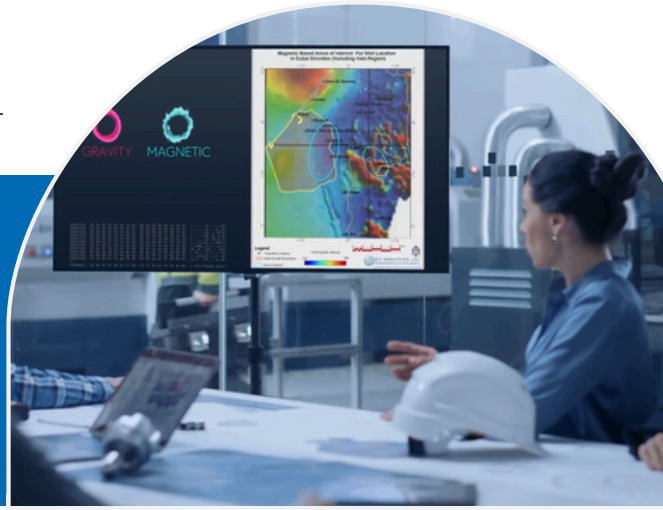
AquaterreX

www.aquaterrex.com

# CASE STUDY
# TEXLINE, TEXAS FARM

The result: 900 gallons per minute.
Precisely located.



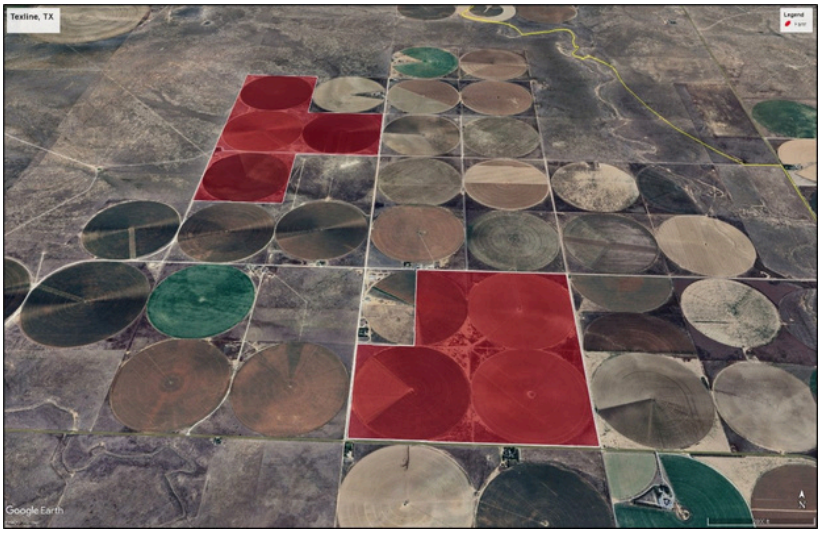

## ADVANCED TECHNOLOGY IS THE KEY

AquaterreX has assembled a powerful combination of technologies that no other company possesses to locate groundwater. This hardware and software deployed by hydrogeologists and engineers has resulted in 100% success in locating water. The results, backed up by fully documented data, determines exactly where to drill wells; the depth to the water-bearing layers, the thickness of the layers and the estimated flow rate.

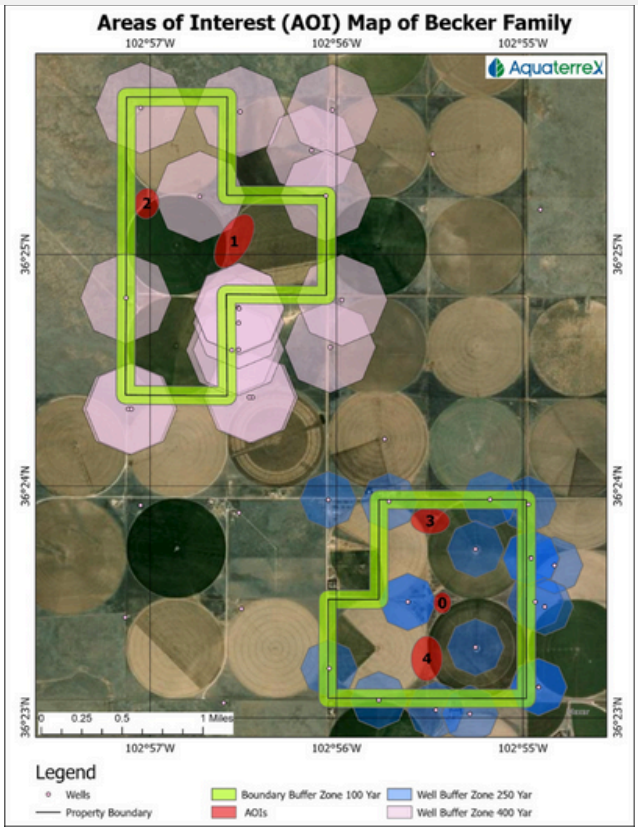
The project was divided into two Phases. Phase I was a comprehensive multicomponent geospatial analysis of the property that included satellite imagery, enhanced gravimetric, radiometric and magnetic analyses as well as geologic, hydrologic and other data sets. This first Phase uses artificial intelligence to assess the area for the presence of both shallow and Deep Seated Water. The resulting report provided several Areas of Interest (AOIs) within the property that were promising locations for wellbore sites.

**900**
Gallons Per Minute

*"We are very happy with the results. The water was located exactly where AquaterreX said it would be, and we're very pleased with the fresh water production."*
*– Clark Becker, owner*

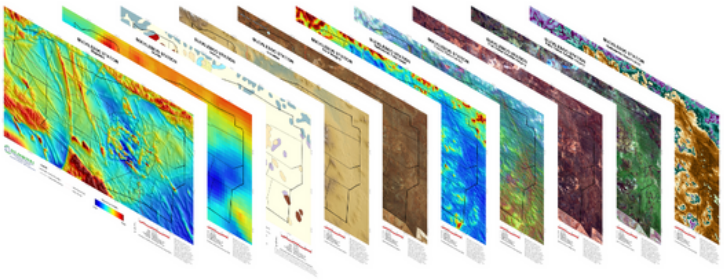



Becker Farm sections in West Texas – 1,181 acres




Areas of Interest (red ovals) identified on sections of the Farm

# CASE STUDY: TEXLINE, TEXAS FARM



## WHERE TO DRILL

The Second Phase of the project involved sending a team of scientists, including a PhD hydrogeologist and a certified geologist-hydrogeologist, to conduct an on-location survey of the Areas of Interest using two different patented sets of instruments with advanced software. This effort, which includes hundreds of seismic readings, provides an extremely accurate picture of the underground environment. Analysis of this data results in identifying the most promising locations for wellbores. It delivers the exact GPS coordinates for the well; depth to water strata; thickness of the strata; and estimated yield in gallons per minute.

## THE RESULTS

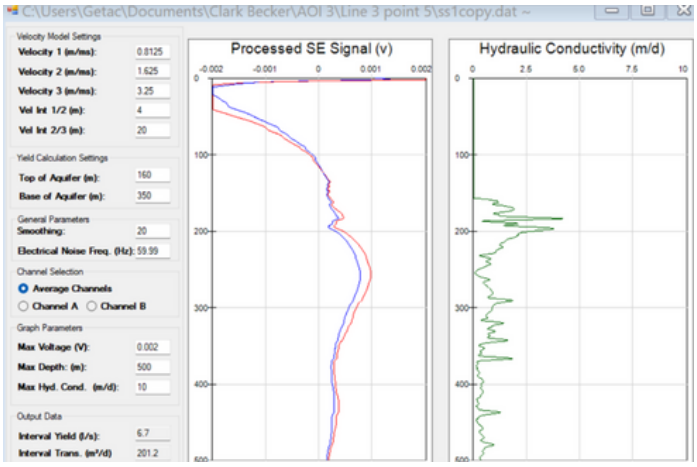
The AquaterreX Phase II report recommended five wellbore locations on the properties. The owners decided to drill a well in the highest yielding location. The drilling depth of 1,024 feet (312 meters) delivered 900 gallons per minute (57 liters per second). Subsequent 24-hour pump testing with the pump at 980 feet confirmed a yield of 900 gallons per minute. The owners intend to draw between 500-600 gallons per minute when in use to conserve the aquifer.

**“We are very happy with the results. The water was located exactly where AquaterreX said it would be, and we’re very pleased with the fresh water production.” – Clark Becker, owner**

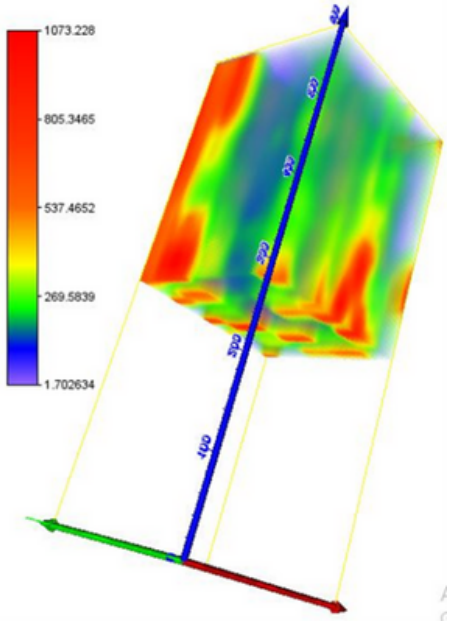
## DSW BENEFITS

- Alternative Source of Fresh Water
- Complements Existing Water Conservation Measures
- Protects Against Contamination or Pollution
- Permits Shallow Aquifers to Recharge and Restores Surface Water
- Reinforces Sustainable Water Management and Security
- Economical, Fast, and Scalable

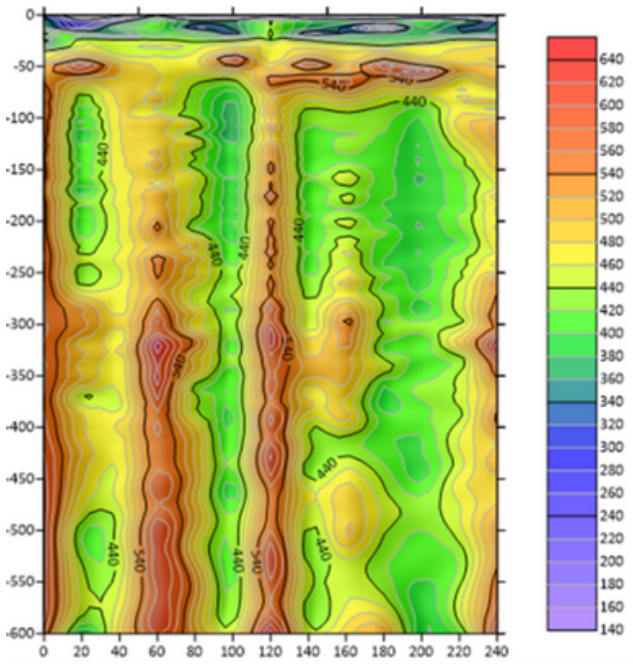
For more information, please visit www. Aquaterrex.com




Deep seismic data points




3D model of underground structure



2D model of underground structure