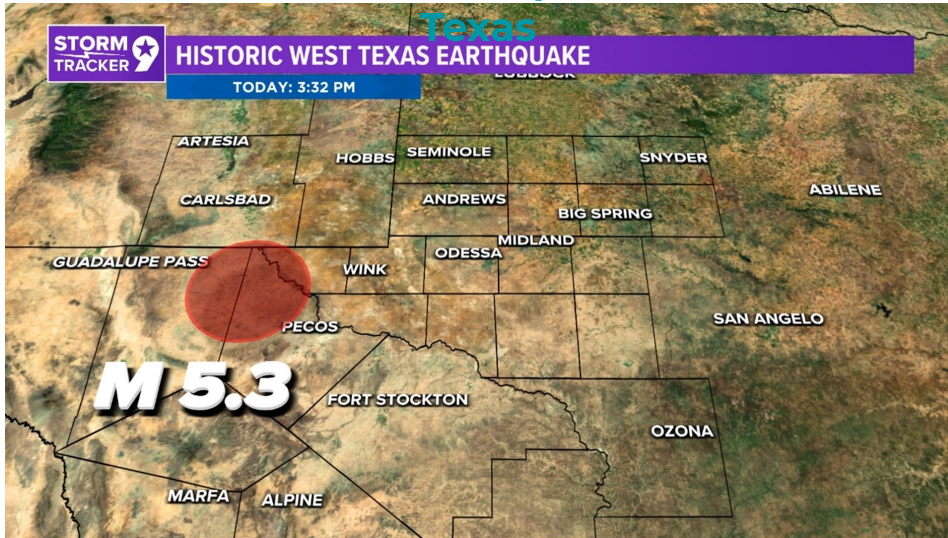


TENSORA

*The next generation
in geophysics*

Leaks and seismicity are leading to **downtime, loss of revenue and liability**

Powerful M5.3 Earthquake Hits West



NBCDFW (2022)

A forgotten oil wells births 100ft Geyser

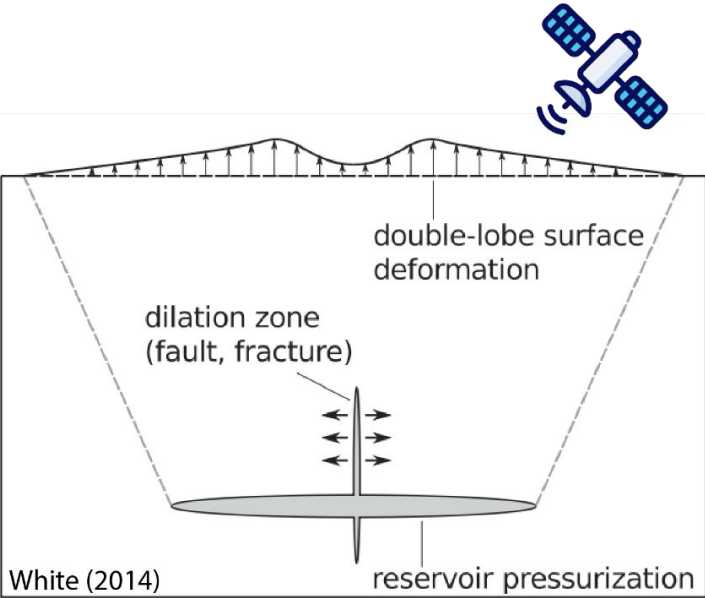


Texas Monthly (2022)

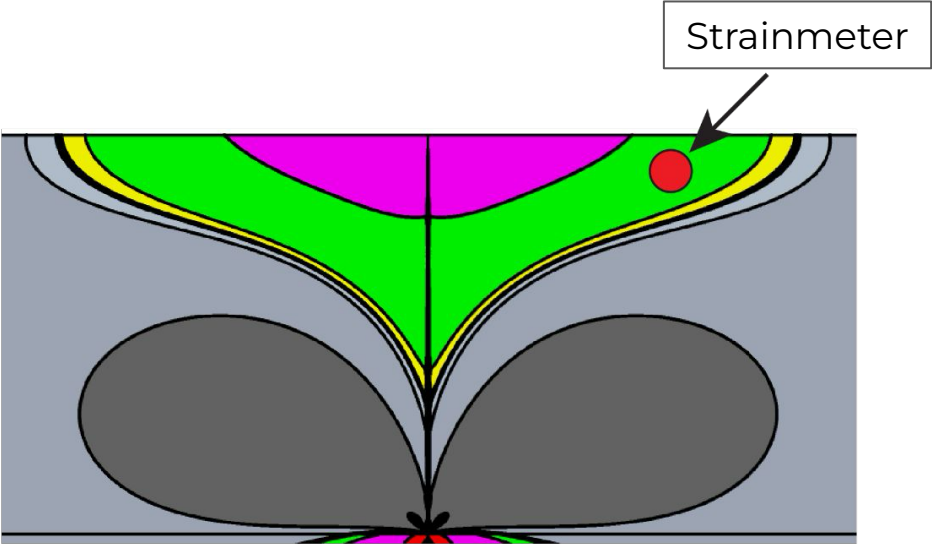


Feasibility of Deformation Monitoring

Deformation monitoring has been used to detect a leak.



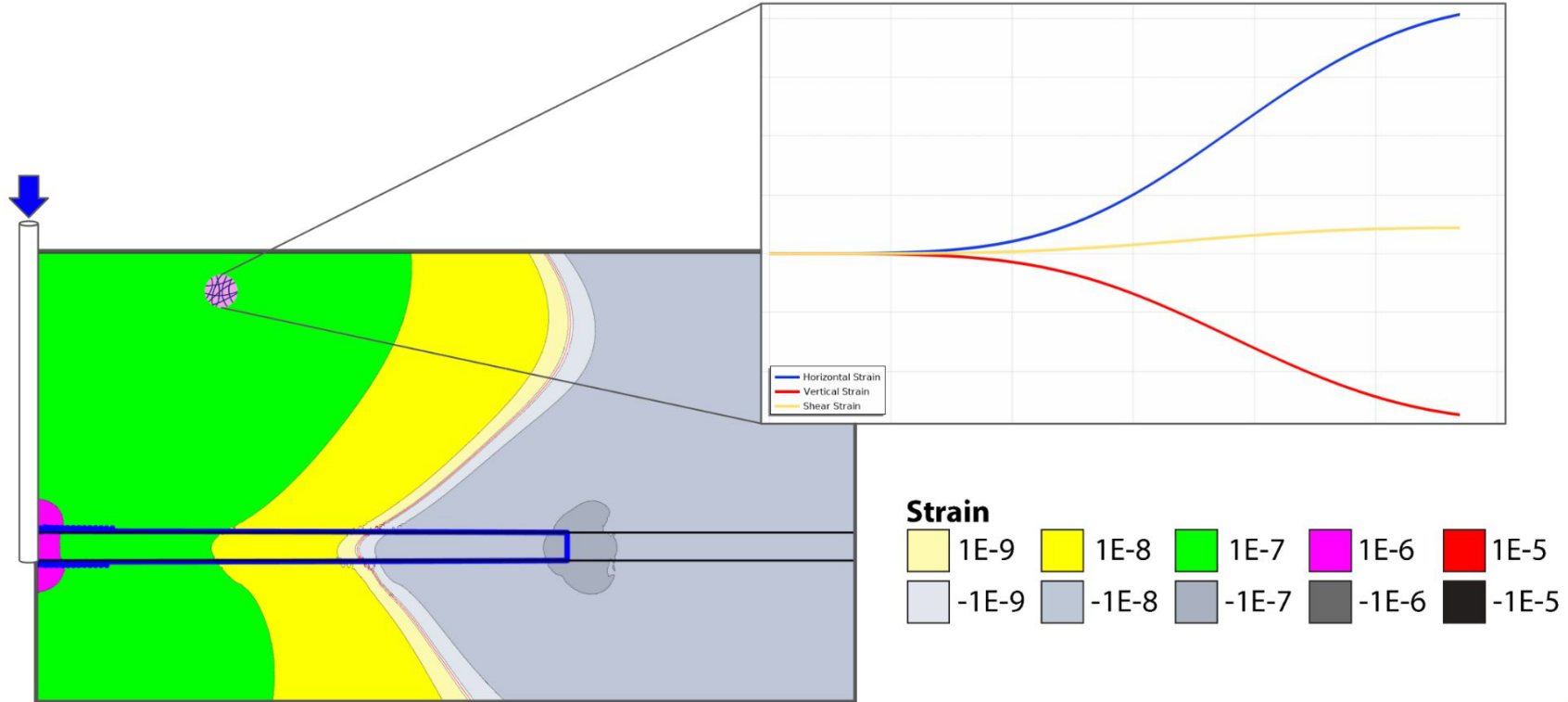
Uplift from Leak



Deformation from Leak



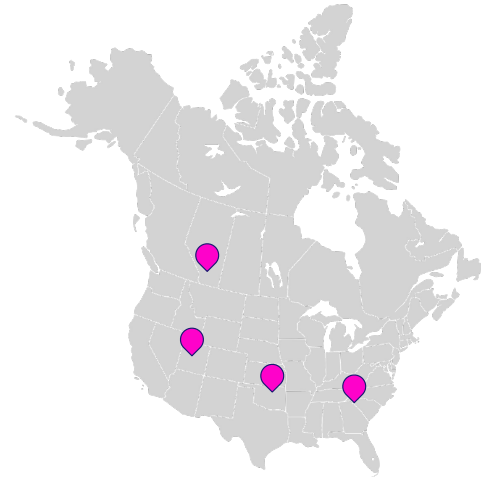
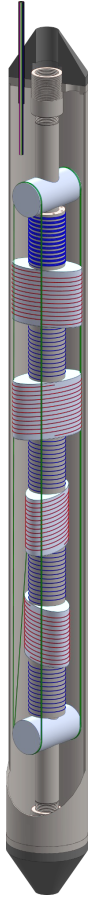
Approach | Above Zone Deformation Monitoring



The Tensor Sensor

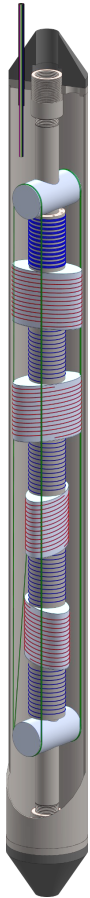
Near real-time deformation monitoring

- **3D Strain + Temperature**
- **Ultra-high Resolution (part-per-trillion)**
- **Ultra-Broadband (DC to 1 kHz)**
- **Low Power (Battery operated)**
- **Real-time Data Streaming**
- **Field Proven at TRL-7**

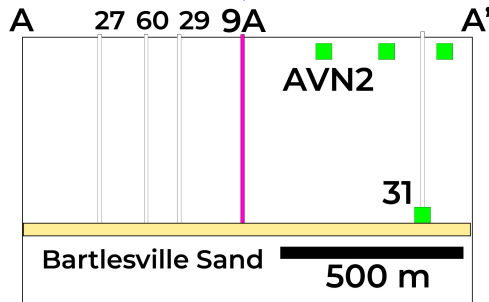


Field Demonstration

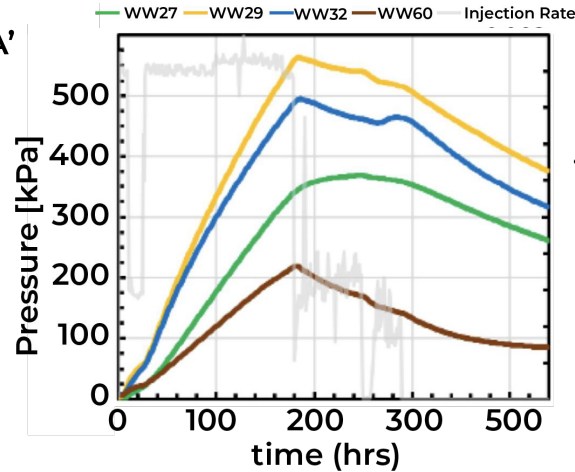
Injection Test (Avant, OK)



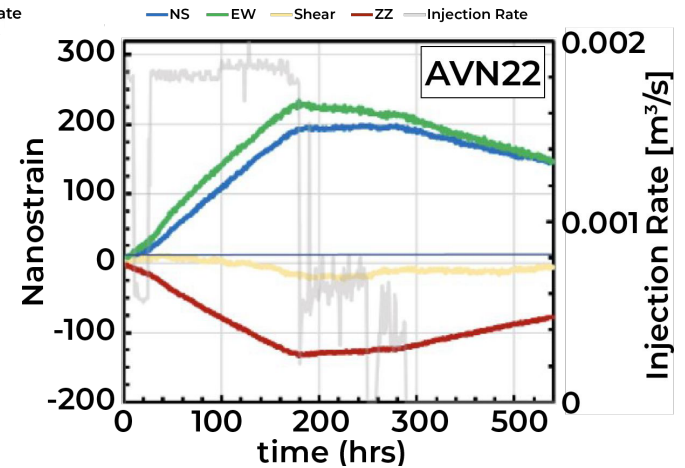
Injection Rate:
30 GPM



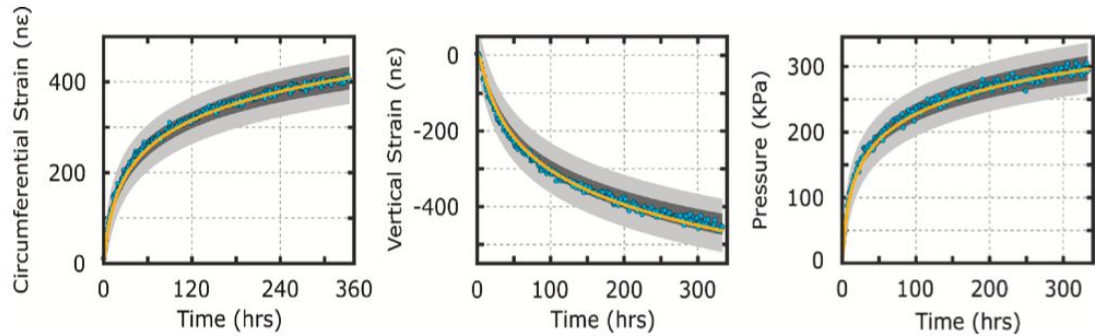
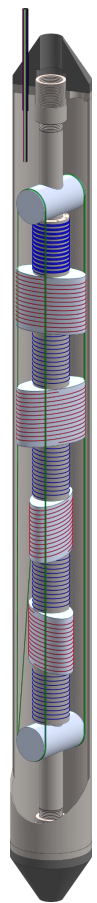
Deep Pressure



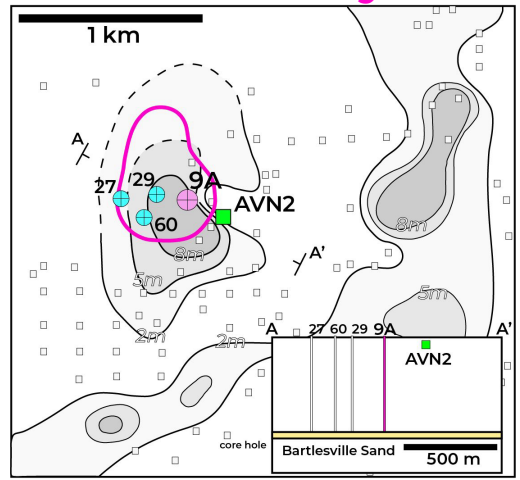
Shallow Strain



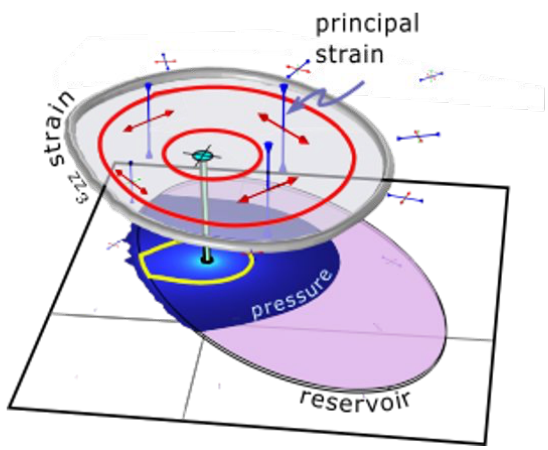
Interpretation | Bayesian Inversion for Characterization



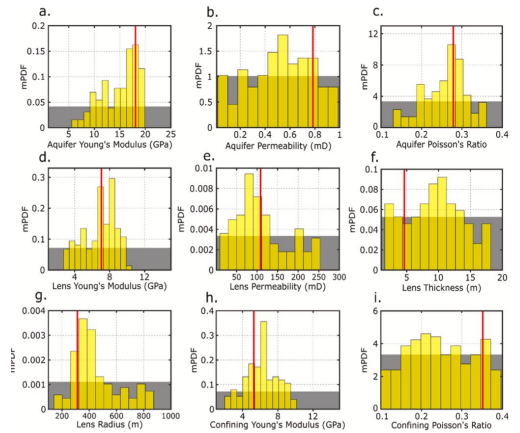
Geometry



Pressure



Properties

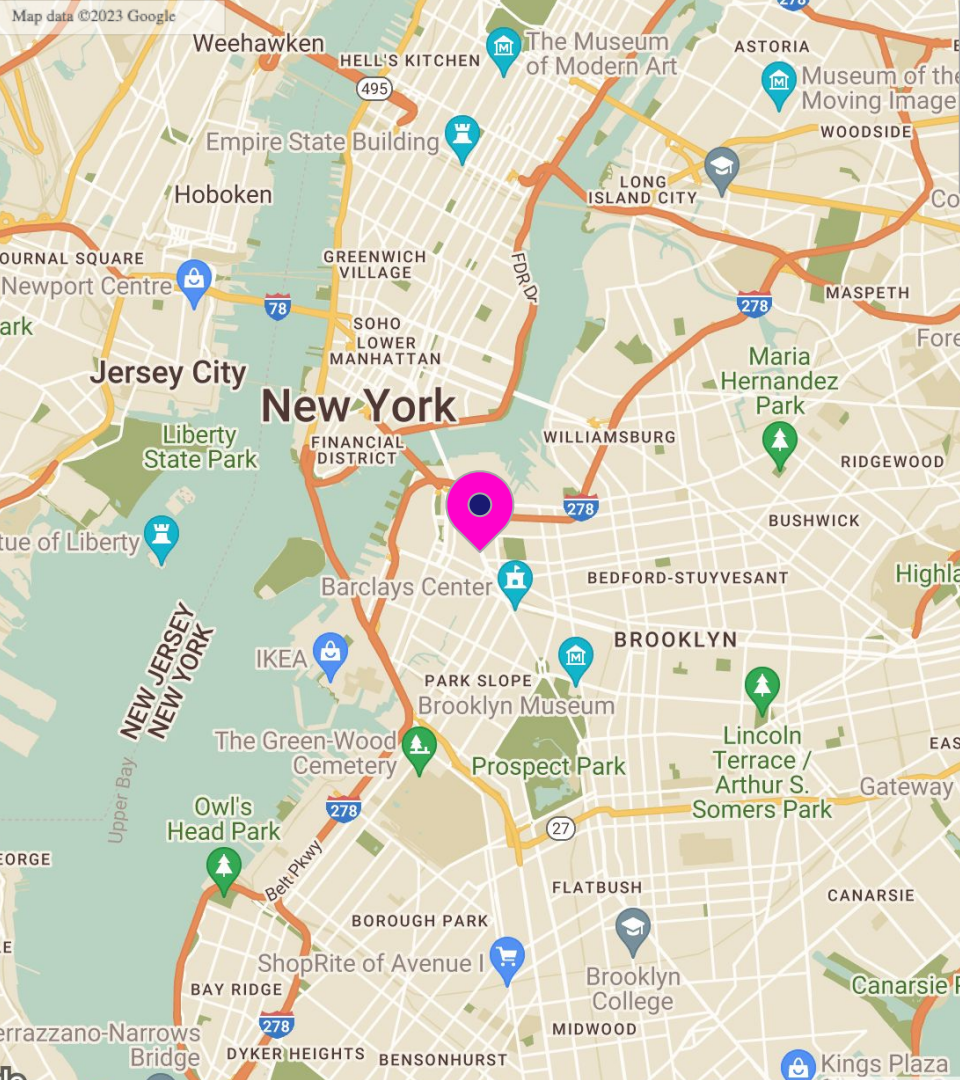


Takeaways

Above-zone deformation monitoring may be used to:

- Characterize reservoir properties,
- Identify reservoir boundaries and sealing faults,
- Monitor subsurface pressures and identify anomalies, and
- Reduce the penetrations through the caprock seal.





TENSORA

Contact Us

**147 Prince St., 2nd Floor, Suite 16
Brooklyn, NY 11201**

☎ (601) 317-4267

@ rob@tensora.io

🌐 tensora.io

🐦 @tensoralnc

