

Wednesday, February 26, 2020

Petroleum Club of Houston • 1201 Louisiana (Total Building)  
Social Hour 11:15 a.m.  
Luncheon 11:45 a.m.

**Cost: \$35 Preregistered members; \$40 non-members/walk-ups**

**To guarantee a seat, pre-register on the HGS website & pre-pay by credit card.**

**Pre-registration without payment will not be accepted.**

**Walk-ups may pay at the door if extra seats are available.**

*If you are an Active or Associate Member who is unemployed and would like to attend this meeting, please call the HGS office for a discounted registration cost. We are also seeking members to volunteer at the registration desk for this and other events.*

## HGS General Luncheon Meeting

*Rudy Wilhelm*

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HGS General Luncheon Meeting

# How Hot is the Kitchen? Hydrocarbon Migration Tomography

On 1 March 1993, W.G. Leach published a three-part OGJ article confirming that “The bulk of all oil and gas reserves in the South Louisiana Tertiary sands is concentrated near the top of abnormal pressure.” But on 3 Nov 1997, Guzman et al. demonstrated in an OGJ article the usefulness of seismic velocity data for explorers by publishing numerous named examples of velocity slowdowns above some famous oil and gas fields in the GOM and onshore South Texas. This apparent contradiction spooked us. The puzzle has now been resolved using Hydrocarbon Migration Tomography (HCM) scans.

Today, the case studies presented will illuminate, for probably the first time, the HC migration pathways from their putative sources into and through famous oil and gas fields and costly dusters on the shelf, in deep water, and abroad. Explorers may experience a “come-to-Jesus” moment. ■

### Biographical Sketch

**RUDY WILHELM** holds a MS in Physics, a MS in Petroleum Engineering and passed Stanford University Mark Zoback's online Reservoir Geomechanics course. He used to be a Geophysicist at Shell Oil Co. More at [www.oilvel.com](http://www.oilvel.com).

