

SPWLA HOUSTON

Advancing The Science
Of Formation Evaluation



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2026 Q1 Technical Seminars

Northside

Baker Hughes
2001 Rankin Rd
Houston, TX 77073

**Pore pressure prediction while drilling:
Three-dimensional earth model in the GOM**
By: Fausto Mosca (Stratum Reservoir LLC)

Notice the **venue change** for this **February 26** seminar:
Stratum Labs
5200 Sam Houston W., Suite 500
Houston, TX 77086

Westside

SLB - 6350 West Sam
Houston Parkway North
Houston, TX 77041

**What’s Shaking Midland?
A Summary of West Texas Seismicity**
By Adam Haecker

Up / Downtown

Virtual / webinar
Chevron building
1400 Louisiana St
Houston, TX - 77002

2024-2026 Executive Board



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February 14, 2026

Dear Members of the SPWLA Houston Chapter

Where did January go? Hard to believe that we're already in the 7th week of the year 2026, which is shaping up to be yet another fast-paced year with lots of changes on the horizon.

Our industry is still in flux, contractions, alignments and mergers abound. One more reason to be, if not involved, at least active in our Society. First and foremost on a local level and I encourage all to attend our Technical Seminars – we try hardest to bring interesting topics and great speakers – and Networking Events (last Thursday of the month).

I want to draw special attention to the February 26 Northside Technical seminar, hosted by Stratum Reservoir LLC, which will have a facility tour following the talk. And later that same day, our monthly Networking Meeting at Cedar Creek Bar & Grill, generously sponsored by TGS.

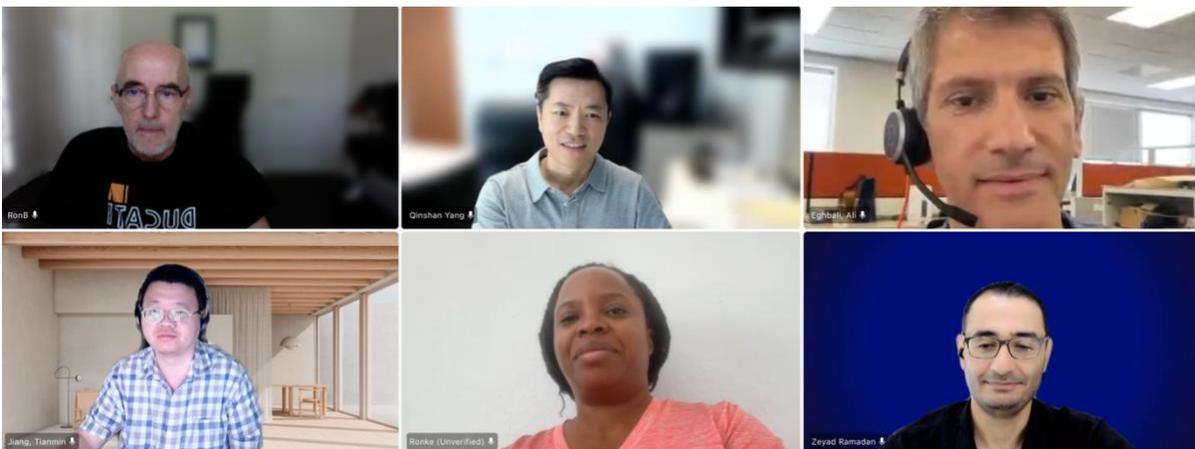
This year it will be easier than ever – okay, let me rephrase and be more accurate – as easy as 3 years ago to participate in the 67th SPWLA Annual Symposium, which will be held in Lake Conroe, Texas. Don't know about you, but I have great memories of #64 held there and this year will be even better. Hope to see you there!

Speaking of getting involved: by now, you should have seen the list of candidates for the upcoming elections of the SPWLA International Board. The ballot will appear in your (electronic) mailbox early March. Make sure to get your vote in.

As mentioned in my December column, the tenure of the Houston Chapter Board is also coming to an end. Now is the time to self-nominate or encourage fellow members to step up and “run for office”. Open roles are Chapter President, VP Northside, VP Westside, Secretary and Editor.

Speaking from experience, it's a great privilege, opportunity and learning experience. And fun too. If you're interested in specific positions, get in touch with the Board Member currently in that role or any (all) other Board Member(s).

Ron J.M. Bonnie
Houston Chapter President.



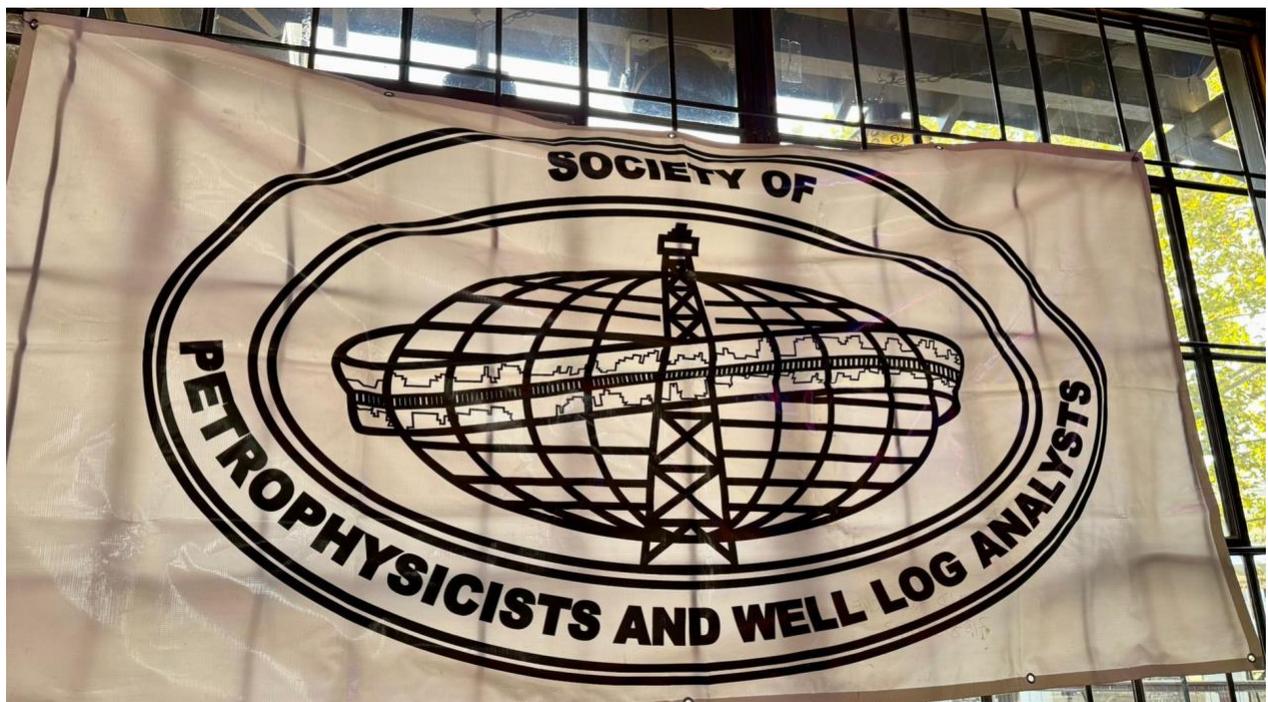
Missing in the meeting and photo: Andrew Hind (VP Up / Downtown) and Muhammad Noman Khan (Editor)



SPWLA Houston Chapter Networking Events

The 2026 kick-off networking event on January 29th was very well attended. We saw, eh, heard, very lively conversations, lots of catching up. To the point that we missed the opportunity to take a photo of the group. The shot of our banner taken at a previous event will have to do.

We hope to see many of you Thursday, February 26 from 5:00 – 8:00 pm at Cedar Creek Bar & Grill, 1034 West 20th Street, Houston, TX 77008. **This meeting is being sponsored by TGS.**



Thursday, Jan 22nd, 2026
11:30 am – 1:00 pm

SLB, 6350 West Sam Houston
Pkway N, Houston, TX 77041

Westside Technical Seminar & Lunch

What's Shaking Midland? A Summary of West Texas Seismicity

By Adam Haecker



ABSTRACT:

In the past few years there have been a number of earthquakes in and around the Permian basin. This paper will review recent earthquake activity and several authors' recent work such as Dvory, Ewing, Horne, Hennings, Lund, Snee and Zoback. What are these earthquakes, when did they start, how does it compare to gravity-magnetic and Insar data? In the Permian basin, the earthquakes have consistently shown normal and strike slip faulting regimes from moment tensor analysis. The stress orientation is predominantly east west, except in areas of the Delaware Basin where there are dramatic rotations in Reeves/Pecos Counties of Texas and Northern Lea and Eddy Counties of New Mexico. But is there a deeper cause to all the movement? (pun intended) This paper will examine the Precambrian lineaments that might be related. This paper will review latest fault mapping, fault slip potential, basement maps, insar data published by the BEG, and gravity and mag data with known anomalies.



BIOGRAPHY

Adam Haecker works in Houston as a Director of Geoscience for Milestone Carbon, a company dedicated to delivering CO₂ sequestration solutions. His research interests include supercritical CO₂ relative permeability, advances in MICP, organic shale petrophysics, and rock mechanics. Prior to Milestone, Adam worked as a petrophysicist for Battelle Memorial Institute, Continental Resources, Chesapeake Energy, and Cabot Oil and Gas (now Coterra), as well as Weatherford Wireline as a field engineer. Adam graduated from Texas A&M in 2007 with a B.S. in Geology. He served as the Vice President of Finance, Secretary and Administration for the international SPWLA (2021-2023) and as North America Regional Director 1 (2018-2020). Adam speaks English and conversational Japanese.

SPWLA – Houston Chapter News		Q1 2026
Date, Feb 26th 2026 11:30 am – 1:00 pm	Stratum Labs 5200 Sam Houston W., Houston, TX 77086	Northside Technical Talk / Luncheon Meeting
<p>Pore pressure prediction while drilling: Three-dimensional earth model in the GOA (GOM) By: Fausto Mosca</p> <p>Abstract Subsalt Gulf of Mexico deep-water wells routinely cost more than \$100 million. A reliable pore pressure prediction can translate into considerable savings in terms of drilling costs and safety. Traditional methods used to determine pore pressure are based on either logs (e.g., Eaton’s or Bowers’ methods) or seismic data (e.g., calibrated seismic velocities, acoustic impedance). Another method for pore pressure prediction is based on basin modeling: building a three-dimensional earth model and simulating the processes of pressure formation, through geologic time. Recent advancements in basin modeling, such as the coupling of stress and pressure and the implementation of models for mineral diagenesis and rock failure, have significantly improved its applicability. However, no single method is commonly accepted as better than another, therefore, using, comparing, and integrating all three methods together in a predrilling project can provide a higher degree of confidence for pore pressure prediction. The purpose of this presentation is to describe a new approach to pore pressure prediction that combines the above methods with petroleum system modeling. A special emphasis is put on the explanation of the basin modeling workflow. The first step of the workflow is to create and calibrate a regional model based on a set of regional maps with the main goal of providing the regional context. The second step is to create a smaller area of interest (AOI) model using high-resolution structural and facies maps. This refined model is then used for pore pressure prediction at the prospect scale. The smaller AOI model, albeit at very high resolution, allows a model to be run overnight, so that pore pressure can be predicted ahead of the drilling bit. Finally, the predicted pore pressure and fracture gradient allow the drilling engineer to optimize well performance and reduce drilling costs.</p> <p>Biography Fausto Mosca, a world-renowned basin modeler and petroleum geochemist, has joined Stratum Reservoir’s OilTracers® Group. The OilTracers® consulting team specializes in integrating geochemical, geological, and engineering data to solve complex challenges throughout the field life cycle. Fausto is a master user of PetroMod (1D, 2D, 3D, TecLink 2D, and Stress Simulator), Trinity T3, and Genesis 1D, and is widely recognized for his leadership in basin modeling in complex thrust belt and salt tectonic settings. He brings extensive expertise in solving exploration, development, and production challenges through advanced organic geochemical analysis of gases, oils, and source rocks. He is also a recognized expert in pore pressure prediction while drilling and in the real-time interpretation of Gas While Drilling (GWD) data generated by advanced mud logging tools. Throughout his career, Fausto has served as a subject-matter expert with Agip, Shell, Devon, Nexen, and Murphy, working across nearly all major sedimentary basins worldwide, including Europe and the Mediterranean, the USA and Mexico, North, Central, West, and South Africa, Central America, South America (Pacific and Atlantic margins), Far East Asia, and Australia.</p>		