

WEST TEXAS GEOLOGICAL SOCIETY

BULLETIN

**JANUARY –
MAY 2026**



**VOLUME 65 –
NUMBERS 3 & 4**

MARTIN COUNTY, TX

Photo Courtesy of Jon M. Fitzgerald

SELMAN

GEOLOGICAL SERVICES

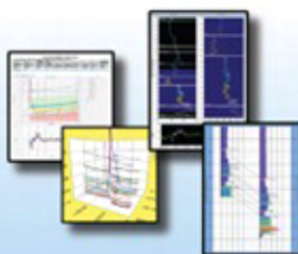
Logging in the USA for Over 40 Years!



**REMOTELY-MONITORED
GAS LOGGING**



GEOSTEERING



MUDLOGGING



SELMANLOG.COM

(800) 578-1006

SUTTLES LOGGING, INC.



Celebrating over 40 Years of serving you

Office: 432-687-3148
www.sutlog.com

Visit us online at www.sutlog.com for
information about Real-time data transmission

Try out our OfficePro software

Generate LAS, TIFF and PDF.

Change ROP/Gas scales.

View and print vertical or
horizontal logs to any banner
capable printer.

WEST TEXAS GEOLOGICAL SOCIETY

P. O. Box 1595
Midland, Texas 79702
Website: www.wtgs.org

Telephone: (432) 683-1573

2900 W. Front St.
Midland, Texas 79701
E-mail: wtgs@wtgs.org



WTGS OFFICERS 2025-2026

PRESIDENT	PRESIDENT-ELECT	1st VICE PRESIDENT	2nd VICE PRESIDENT
Steven Harbison	William Rittase	Charles Adam Ball	Charles Benjamin Breyman
Diversified Well Logging LLC	ConocoPhillips	Arrington Oil and Gas	ConocoPhillips
(936) 520-0082	(702) 496-1763	(432) 934-2999	(432) 816-4168
stevenharbison@dlw-usa.com	William.rittase@conocophillips.com	Adam.ball@arringtonoil.com	Ben.breyman@conocophillips.com
SECRETARY	TREASURER	EXECUTIVE DIRECTOR	EDITOR-IN-CHIEF
Chris Reudelhuber	Kelsey Call	Rachel Austin	Haleigh Fitzgerald
Permian Resources	Diamondback Energy	WTGS	Diamondback Energy
(720) 696-5274	(405) 821-3245	(432) 683-1573	(432) 234-2332
Chris.reudelhuber@permianres.com	kcall@diamondbackenergy.com	wtgs@wtgs.org	Hfitzgerald@diamondbackenergy.com

Southwest Section AAPG Delegate
Caroline Studnicky

AAPG Delegates (Term Expires)
(2023-2026) - Michael A. Raines, Jennifer Gamrod, Stonnie Pollock, Pat Welch

AAPG Alternates (Term Expires)
(2023-2026) - Robert Nail, Troy Tittlemier

The WTGS Bulletin (ISSN 0739-5957) is published bi-monthly, September through July by the West Texas Geological Society, P.O. Box 1595, Midland, Texas 79702. Copyright 2012 by West Texas Geological Society. Online subscriptions to the Bulletin are included in membership dues (\$35.00 annually). Paper copies of the Bulletin can be purchased for an additional \$20.00 per year. Subscription questions should be directed to the WTGS office at (432) 683-1573. Manuscripts are invited on all aspects of Permian Basin Geology. Inquires, suggestions, and manuscripts should be sent to WTGS, P.O. Box 1595, Midland, Texas 79702 or our email address: wtgs@wtgs.org. Deadline for Copy is SIX WEEKS prior to publication date. Materials for ads must be camera-ready art work or in digital form - NO XEROX Copies.



2025-2026 Committee Chairpersons:

Arrangements		WTGS	432-683-1573	wtgs@wtgs.org
Awards		WTGS	432-683-1573	wtgs@wtgs.org
Boy Scouts				
Education	Adam Ball	Arrington Oil & Gas	432-924-2999	
Field Trip	Andy Roark	Chevron	205-862-4364	aproark@chevron.com
Golf Tournament	Joe Ramirez	Premier-Corex	432-664-4753	Joe.ramirez@premiercorex.com
Lunch Program	Eli Lopez	ConocoPhillips	208-716-4512	Eli.d.lopez@conocophillips.com
Membership				
Nominating	Judd Tudor	Drill2Frac	432-638-8409	Judd.tudor@drill2frac.com
Petroleum Technical Library				
Social Tasting Events	Jeff Bryden	Western Underground	432-664-0171	wyojafo@yahoo.com
Publications				
Publicity & PR				
Scholarship	Judd Tudor	Drill2Frac	432-638-8409	Judd.tudor@drill2frac.com
Clay Shoot	Stonnie Pollock	Fasken Oil & Ranch	432-638-7296	spollock@forl.com
Youth Education				
Fall Symposium	Judd Tudor	Drill2FRAC	432-638-8409	Judd.tudor@drill2frac.com
Honorary Life/Pioneer Nominating	Pat Welch	Primerock Resources	432-553-8418	jpfwelch@gmail.com

table of CONTENTS



3-4	2025-2026 Executive Board /2025-2026 Committee Chairmen	14	April Luncheon Abstract - Project Geminae
5	Table of Contents	15	May Luncheon Abstract - Wastewater Injection and The Challenge of Containment from Basement to Surface
6	WTGS 2025-2026 2 nd Vice President's Letter - Ben Breyman	16	Beryl Oil and Gas Advertisement
7	WTGS & SWS AAPG Save the Date	17	PaleoScenes No. 25
8	PaleoScenes No. 24	18	100 Year Anniversary Core Workshop with Robert F. Lindsay & Robert C. Trentham
9	Mainlog Advertisement	19	Bulletin Submission Information
10-11	January-May Calendar of Events	20	Symposium Exhibit Information
12	February Luncheon Abstract - Data Integration and AI for Carbonate Reservoir Modeling	21	WTGS Professional Directory
13	March Luncheon Abstract - Log Analysis of a Pre-1955 Permian Basin Carbonate...	22	Index to Advertisers
		23	Five States & MEL Advertisements



SIPES - Midland Chapter

www.sipesmidland.org

"The pre-eminent organization for furthering the professional and business interests of independent earth scientists"

Meetings held on the 3rd Wednesday of each month (except Feb. and Dec.)
Midland County Club - 11:15 AM

Guests Always Welcome - \$35 payable at door with check/cash - RSVP George Friesen

For more information, please contact:

Mike Raines (Chairman) 432-934-7202
Wendell Creech (Membership) 432-894-1612
George Friesen (Treasurer) 432-664-8144



From the 2025-2026 Second Vice-President - Ben Breyman

Dear WTGS Members,

Thank you for the steady support throughout 2025. Your participation—registering for luncheons, volunteering time, and sponsoring programs—keeps WTGS relevant to the day-to-day needs of our West Texas geoscience community. The strong turnout for technical talks, the collaboration around our fall programming, and the hands-on effort that went into the Clay Shoot were all good reminders that this society works because its members do.

Our focus this year remains simple: practical content, a welcoming environment, and clear opportunities to contribute. If you'd like to get more involved, here are straightforward ways to help:

- **Volunteer** with luncheon logistics, student outreach, or sponsor coordination.
- **Sponsor** a luncheon or program to support our mission while gaining visibility.
- **Suggest a speaker or topic** that would benefit working geologists and geophysicists.

I appreciate everything you do for WTGS. Thanks for showing up, lending a hand, and keeping our efforts grounded in real-world work. I'm looking forward to working with you this year.



Ben Breyman

2025-2026 2nd Vice-President



SAVE THE DATE

**WTGS & SWS AAPG Centennial Conference
SEPTEMBER 12-16, 2026 - MIDLAND, TX**

CELEBRATING 100 YEARS OF THE WEST TEXAS GEOLOGICAL SOCIETY

SEPTEMBER 12	SEPTEMBER 13	SEPTEMBER 14	SEPTEMBER 15	SEPTEMBER 16
Core Workshop	Short Course	SWS AAPG Full Day	WTGS Full Day	WTGS Half Day
K-12 Teacher	Vendor Set Up	Presentations	Presentations	Presentations
Workshop	Icebreaker	DPA Luncheon	Networking Luncheon	Ethics Luncheon
		Casino Social Event	Happy Hour	

Now Accepting Abstract Submissions - Email to submissions@wtgs.org



PaleoScenes No. 24

Funeral in Wyoming

Submitted by Jeff Smith

In the early 2000's, I was consulting for Exxon in the Rocky Mountains, working in the Piceance Basin in Colorado, and the La Barge Platform and the Overthrust Belt in Wyoming. At one time I was watching 10 rigs. Apparently, they didn't know anybody else who knew how to drive in snow.

I was living on a rig at 11,000 feet up in the mountains in Wyoming. It was absolutely beautiful. Beautiful views as I looked out in front I can see the Wind River Mountains, to the side I can see the Uinta Mountains, and down below I can see rig lights everywhere for the big play going on in the Jonah Field. It was just a gorgeous place.

We were drilling fairly shallow in the intermediate section of a well that's going to be a deep well in the overthrust belt. We're drilling an oversized hole because we're still up shallow. We're drilling like 17 7/8" hole and we're in the intermediate zone and we'd been running logs. Then we got to the TD. We can see that between an electric log and a mud log; we had a zone there that looked like it might be a pretty good pay zone. It was a beautiful, well-sorted friable sand that had a certain mineral deposited in it that was mostly bluish little crystals.

A top-notch geologist named Kate told me that it was glauconite, and that glauconite never lies. It means it was deposited in a shallow marine environment. So, I paid attention to Kate. But above that was sort of a clay-based siltstone that was just falling in horribly. So, the hole throughout there on the caliper log is at least double the normal size. It was washed out to double size. Well, then we were lucky enough that we got through all of that and got out so we could go ahead and get that casing run. The company man and I wanted to get that casing run and get that covered up.

But see, down in Houston, they wanted to run a special logging tool on that frontier prior to running casing. The people in Houston almost never spent more than, you know, five or ten minutes at a rig. They'd be on these big trips to come up to learn and come visit us to learn, and once in a while they spent 15 minutes at a rig, but usually it was five, because it was a long drive up to Yellowstone.

And that's what their trips really were, they'd say they were going to learn at a drilling rig, but they were really going to see Yellowstone. So anyhow, they all said, "Oh boy, that's a great show, we need to get this new tool we want to run, Schlumberger told us all about it, and our petrophysicist, he says we need to run that tool."

And of course, I didn't find this out until sometime later, but their petrophysicist was a Schlumberger employee who officed with them and got commissions on everything. Yeah, so they insisted we had to run this tool. It was an RFT that also would drill a little tiny hole into the formation, and then you could actually get fluid out to see if it was gas or oil or water. So yeah, they insisted we had to run that tool in that frontier sand.

And I'm telling them about all that rock that's up above us that's falling in like crazy. To do that tool, you have to sit there at the same spot for a long time, and I said, "It's going to fall in on us, and we'll be stuck, we'll never get out."

We just went back and forth nonstop with the Houston office, but no, they insisted they had to have that new tool, it had to be run. So, what I did eventually is I had everybody on location come out, I told them all that they all needed to come take a look at that tool, because they would never see it again. And I held a funeral for the tool.

We did it like a regular funeral for that tool. And once we put it in the hole, we never saw it again. They could not get it to move; it was stuck big time.

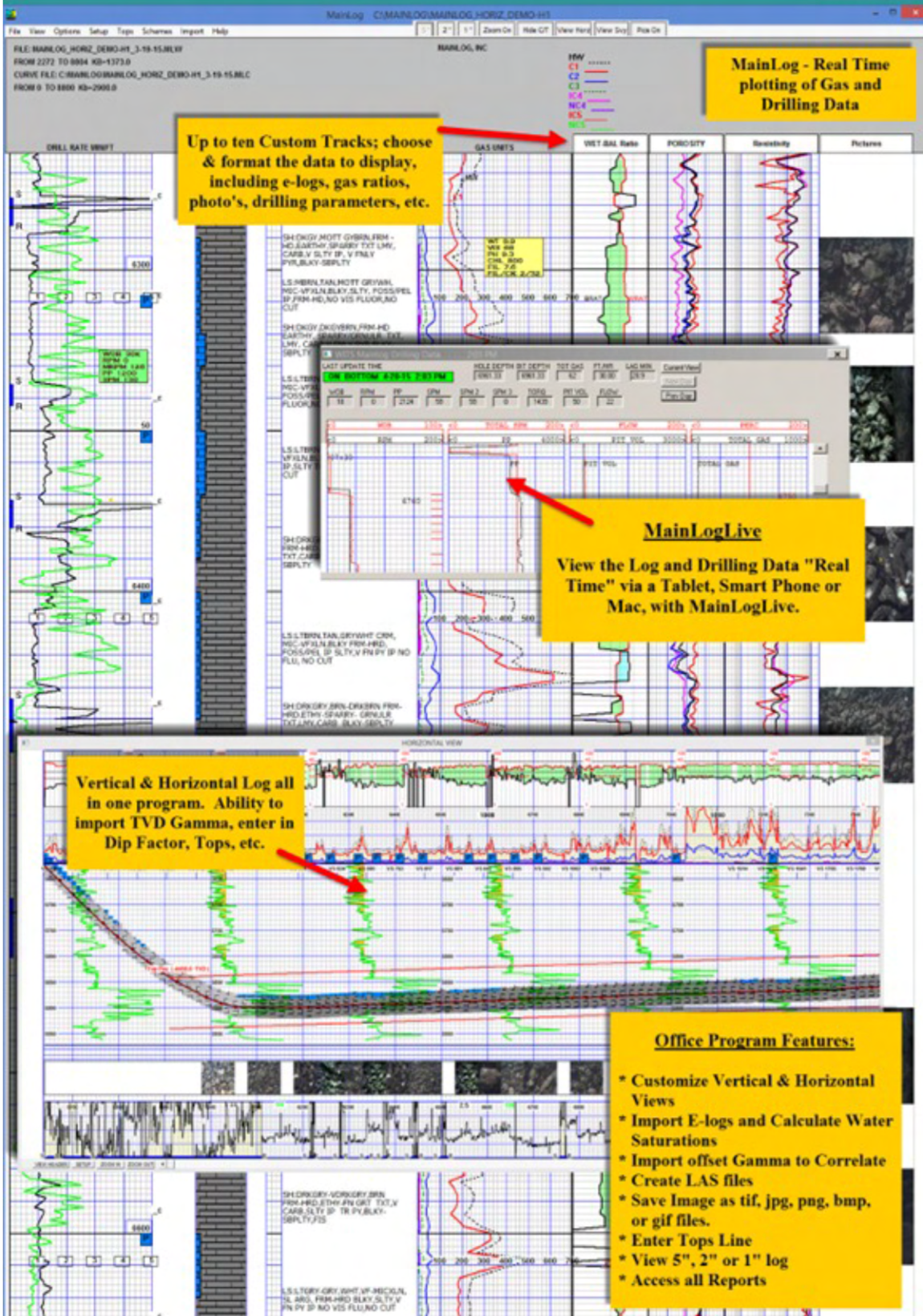
They fished and fished and fished for it and never could get it out. And then they had to plug off all that section of hole and come back and start all over again the following year. And they paid Schlumberger about a million and a half dollars for that tool. So, it was a fairly expensive ordeal.

RIP logging tool.



MAINLOG™ mud logging software

www.mainlog.com





january

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1	2	3
4	5	6	7	8	9	10
11	12	13 WTGS /WTGF SCHOLARSHIPS OPEN	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

february

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5 SEPM SOCIAL	6	7
8	9	10 WTGS LUNCH	11	12 WTGS SOCIAL	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

march

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5	6	7
8	9	10 WTGS LUNCH & SOCIAL	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3	4
5	6	7	8	9	10	11
12	13	14 WTGS LUNCH	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5	6	7	8	9
10	11	12 WTGS LUNCH	13 WTGF SOCIAL	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						



Prospecting Exclusively In The Permian Basin Since 1994
 800 Bering Drive, Suite 400, Houston, Texas 77057 713/784-7474



FEBRUARY LUNCHEON

Data Integration and AI for Carbonate Reservoir Modeling

Robin Dommissie¹, Charlie Kerans², and Xavier Janson¹

¹ Bureau of Economic Geology,

University of Texas at Austin (robin.dommissie@beg.utexas.edu),

² Department of Earth and Planetary Sciences, University of Texas at Austin

Keywords: Permian Basin, Carbonates, Machine Learning, AI,



This talk presents an integrated, basin-scale workflow for using **machine-learning** and AI to accelerate and improve carbonate reservoir modeling in the Permian Basin. New algorithms are tested in a very large, "evergreen" 3D geomodel, allowing robust comparison of lithofacies prediction and fault extraction techniques against traditional workflows.

The team has built a sealed 3D structural and stratigraphic framework for the Permian Basin, combining basement-rooted and shallow faults interpreted from 3D and 2D seismic with extensive well tops, logs, and core. Over 360,000 wells, 2.2 million tops, 38 3D surveys, 16,000 petrophysical wells, and a stratigraphically indexed core database are integrated into a 2-billion-cell model with approximately five-foot vertical layering, enabling high-resolution evaluation from surface to basement.

Machine-learning methods are applied to several key tasks. For lithofacies prediction, Paradise SOM workflows and Petrel EMBER are used to select optimal seismic attributes, cluster multi-attribute seismic samples, and build 3D facies volumes calibrated to core and well logs, with statistical measures (e.g., Chi-Square, Cramer's V) used to quantify facies–property relationships. Case studies in fields such as Midland Farms and Kingdom Abo show that ML facies models can replicate or outperform inversion-based interpretations while cutting project turnaround to less than a day in some examples and improving pay-zone identification validated against production.

For 3D fault extraction, CNN- and ViT-based workflows, including in-house FaultVitNet, are run on multiple surveys to automatically detect and characterize faults, confirming known structures and revealing additional features missed by manual interpretation. While generic, unsupervised models struggle with large regional faults like the Grisham system, rapid local labeling significantly improves detection of major structures and highlights variability in performance among commercial and public-domain tools.

Overall, the work demonstrates that AI-driven lithofacies classification, seismic fault extraction, and log prediction deliver tangible time savings and higher-resolution, basin-scale carbonate models compared to traditional inversion-centric approaches. As operators pursue more complex targets and enhanced recovery schemes in the Permian, these integrated ML workflows provide a powerful digital laboratory for testing new algorithms and de-risking subsurface development strategies.

MARCH LUNCHEON



Log Analysis of a Pre-1955 Permian Basin Carbonate No Calculator or Computer [also with computer]

G.B. Asquith TTU (retired)

Schlumberger Document No. 8 (1958) contained an interesting log suite from a Pre-1955 Permian Basin Carbonate consisting of a SP, 18'8" Lateral, 10" Short Normal, 32" Limestone Lateral and a Microlog. Before the log analysis a short review of these "OLD" Logs will be presented. Log analysis to determine porosity and water saturation (S_w) before calculators and computers required eleven charts to determine: 1.) Formation Temperature (T_f), 2.) R_{mf} to T_f , 3.) Formation Water Resistivity (R_w), 4.) Borehole Corrections of 10" Short Normal and 18'8" Lateral, 5.) 32" Limestone Lateral Porosity (0.13), 6.) Microlog Porosity (0.13), 7.) 10" Short Normal Porosity (0.10), and 8.) Water Saturation (0.185).

The second part of this presentation is the log analysis using digital log data and a computer with multiple equations that replace the eleven charts. Using a computer with digital data results in a more robust log interpretation. A Cross Plot of Fl_{slat} versus $S_w(\text{archie})$ exhibits consistent BVW values [R^2 0.954 BVW 0.024(avg.)] indicating a reservoir at irreducible water saturation [S_{wirr}]. Cross plots of $S_w(\text{archie})$ versus $S_w(\text{ratio})$ and R_t/R_w versus SN/R_z [DEW PLOT] both indicate the reservoir is a combination of vugs plus intergranular or intercrystallite porosity. Using the (Jennings and Lucia, 2003) Method with FL_{slat} substituted for F_{sonic} , calculated Rock Fabric Numbers indicated a Lucia Class 2 with a Grain Size of 20mm to 100mm. The summary of the analysis plus estimated reserves and the initial production are listed below:

Vuggy Carbonate Reservoir at Irreducible Water Saturation (S_{wirr})

Lucia Class 2 Grain Size 20mm to 100mm

$Fl_{slat}(\text{avg.})$ 0.132 $S_w(\text{avg.})$ 0.181 BVW(avg.) 0.024

OOIPstb/80ac. 1.6 MMBO Mobile OOIPstb/80ac 572,000 BO

The well IPF for 700bopd and No Water





APRIL LUNCHEON

Project Geminae Lewis Matthews



"Beyond Correlation: A Targeted Maximum Likelihood Estimation (TMLE) Framework for Quantifying Induced Seismicity in the Permian Basin"

Abstract: As injection rates in the Permian Basin exceed 25 million barrels per day, distinguishing between injection-triggered earthquakes and background seismicity has become a critical operational challenge. Traditional statistical approaches often rely on simple correlations or standard regression techniques (OLS), which can be biased by unmeasured geological confounders and model misspecification. In this talk, we present a novel, open-source causal inference pipeline that utilizes Targeted Maximum Likelihood Estimation (TMLE) to robustly quantify the causal effect of saltwater disposal (SWD) on seismic magnitude.

TMLE is a "doubly robust" method that integrates machine learning to estimate both the propensity of injection (treatment mechanism) and the expected seismic response (outcome mechanism). By targeting the estimation step to minimize bias for the specific causal parameter of interest, this framework allows us to disentangle direct mechanical stress transfer from pore-pressure diffusion, even in the presence of complex geological heterogeneity.

We apply this pipeline to over 660,000 injection records and 6,000 TexNet events. The results reveal a distinct distance-dependent hazard profile:

Near-Field (1–5 km): Seismic risk is driven by a mixed mechanism of mechanical stress and pressure diffusion, with the total causal effect peaking sharply at a 3–4 km radius.

Far-Field (>8 km): The direct mechanical effect vanishes, and risk becomes entirely pressure-mediated, persisting as a robust signal out to 20 km.

These findings suggest that regulatory and operational controls are most effective when utilizing a 5–7 km targeted buffer around mapped active faults, where the causal signal is strongest and most predictive.

MAY LUNCHEON



BEG: Center for Injection and Seismicity Research ***"Wastewater Injection and The Challenge of Containment from Basement to Surface"***

Seth Buseti

Abstract: Ongoing wastewater injection raises operational and environmental safety concerns in many parts of the US midcontinent, including in several producing basins in Texas. Safely injecting large fluid volumes into the subsurface requires an understanding of operational conditions, geological characteristics, and geomechanical behaviors not only within the injection zone, but spanning from basement to surface. For example, in the Permian Basin, deep injection into carbonate units above basement is associated with historically high seismicity rates and is linked to reactivation of the underlying basement faults. Shallow injection also corresponds to increased earthquake rates, but perhaps more significantly it has in some regions created up to tens of centimeters of uplift of the ground surface, caused drilling challenges and well control issues, and led to surface release of fluids. In the Permian Basin and elsewhere, subsurface containment can be compromised by the presence of natural faults that disrupt the injection intervals, create long-distance hydraulic connections, link stratigraphic zones, and host earthquakes. Moreover, hydraulic fractures in reservoir or injection intervals can trigger new earthquakes, breach stratigraphic flow barriers, and enhance pressure communication.

This presentation highlights ongoing efforts to characterize and model how large-scale injection poses a hazard for subsurface containment from basement to surface. A multidisciplinary, integrated approach is used to assess seismicity trends, injection qualities including pressure diffusion and injection capacity, as well multiscale structural, stratigraphic, and petrophysical attributes.





BERYL

OIL AND GAS

Proud sponsor of the WTGS

About Us

Beryl Oil and Gas is a privately held exploration and production oil and gas company with operations focused primarily in the Permian Basin. Combined, the Beryl team has over 100 years of experience in the Permian Basin as well as extensive experience across the United States and internationally.

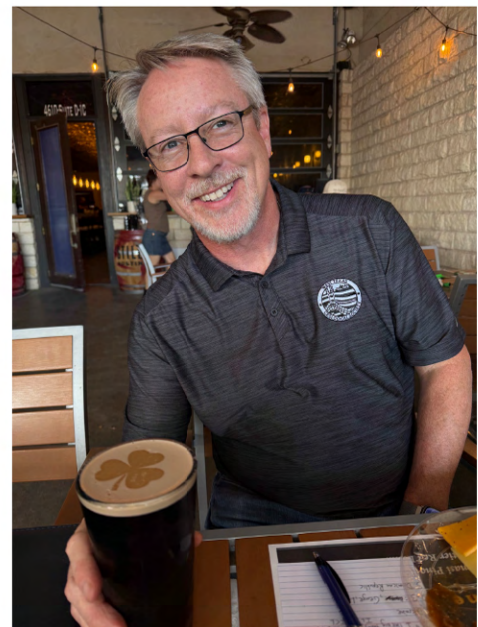
Contact Us

+432-688-1236

www.beryloil.com

400 W Illinois Ave, Ste 1150
Midland, TX 79701

2026 SOCIALS





THE ROCKS NEVER LIE



West Texas Geological Society
100-Year Anniversary
Core Workshop

A Core Workshop of Early
Permian Basin Field
Discoveries

Led by Robert F. Lindsay and Robert C. Trentham

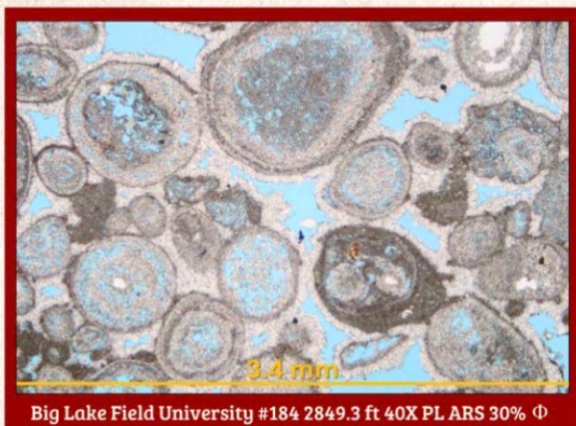
SATURDAY

SEPTEMBER 12, 2026

8:00AM - 5:00PM

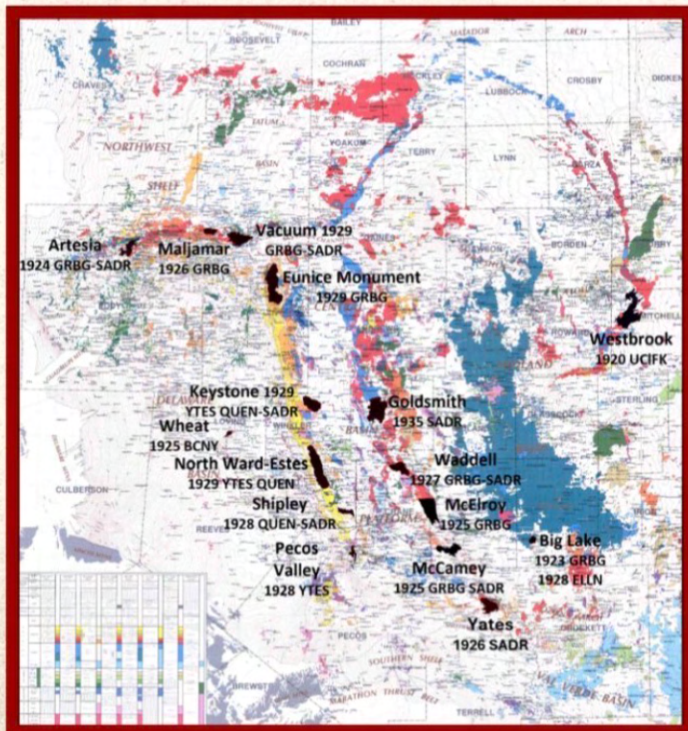
Static Display: September 13-16, 2026

Bush Convention Center - Ballroom
Midland, Texas



Big Lake Field University #184 2849.3 ft 40X PL ARS 30% Ⓢ

Professional: \$150 (\$175 after Sept 1st)
Student: \$25



23 Key Fields in the Permian Super Basin!

- Westbrook (1920) UCLFK
- Big Lake (1923) GRBG
- Big Lake (1929) ELLN
- Artesia (1924) GRBG-SADR
- McElroy (1925) GRBG
- McCamey (1925) GRBG-SADR
- Wheat (1925) BCYN
- Penwell (1925) SADR
- Empire (1926) YTES
- Maljamar (1926) GRBG
- Hendricks (1926) YTES
- Yates (1926) SADR
- Waddell (1927) GRBG-SADR
- Shipley (1928)
- Kermit (1928)
- Pecos Valley (1928) YTES
- Vacuum (1929) GRBG-SADR
- Keystone (1929) YTES
- Eunice Monument (1929) GRBG
- North Ward-Estes (1929) YTES/QUEN
- Sand Hills (1931) TUBS
- Sand Hills (1935) MCKT, SIMP
- Goldsmith (1935) SADR

Register at

site.pheedloop.com/event/wtgs2026

How to submit Articles, Forms, Photos, News Items, Calendar Notices, Advertisements, and Letters to the WTGS Bulletin:



The WTGS Bulletin is a bi-monthly publication: January-February; March-April; May-June; July-August; September-October; November-December

All submissions need to be received by the 10th day of the month before the upcoming publication. I.e. A submission for September-October would need to be received by August 10th.

Technical Articles:

- Text submissions should be submitted in either PDF or DOCX format
- Approved Fonts: Arial, Times
- Body Font Size: 11
- Title at Top, Centered, Bolded
- Authors and Contact information underneath, centered
- Illustrations, Pictures, Graphics should be integrated into the article at appropriate sections. Utilize PNG, TIFF, PDF, or BITMAP files for pictures, as these are lossless formats
- Include the Illustrations, Pictures, Graphics separately in lossless format for potential resizing needs

Permian/Oilfield Perspective Articles and Letters:

- Text submissions should be submitted in either PDF or DOCX format
- Approved Fonts: Arial, Times, Franklin, Georgia
- Body Font Size: 11
- Title at Top, Centered, Bolded
- Authors underneath, centered
- Illustrations, Pictures, Graphics should be integrated into the article at appropriate sections. Utilize PNG, TIFF, PDF, or BITMAP files for pictures, as these are lossless formats
- Include the Illustrations, Pictures, Graphics separately in lossless format for potential resizing needs

Forms:

- Text submissions should be both digital and hard copy. Digital in either in PDF or DOCX format. Formatting can remain per how the form was originally designed
- Illustrations, Pictures, Graphics integrated into form should ideally utilize PNG, TIFF, PDF, or BITMAP files.

Photos:

- Submit any relevant photos to the WTGS Bulletin! It could be utilized on one of our covers, or write out short captions for us to display as in our Permian/Oil Field Perspective Section!
- Acceptable Files: TIFF, PNG, PDF
- If using JPG/JPEG: Maximize quality, and save as Baseline ("Standard") for maximum quality and the least amount of compression
- If files are large, create and share a link to files through GoogleDrive or DropBox

Calendar Notices/Short Items:

- Relevant community calendar notices and other short items may be informally sent through email
- For Calendar Notice, please note: Society, Date, Event Type, Event Speaker (if relevant), Event Title

Submissions to WTGS Editor-in-Chief: Haleigh Fitzgerald (HFitzgerald@diamondbackenergy.com)

Potential Advertisers:

See "Advertising" link at <http://www.wtgs.org> or call (432) 683-1573 for more information on submitting advertisements to the Bulletin.

Help:

The WTGS staff will be happy to assist with questions about submissions: wtgs@wtgs.org, or (432) 683-1573.





EXHIBIT AT THE

WTGS & SWS AAPG Centennial Conference SEPTEMBER 12-16, 2026 - MIDLAND, TX

EXHIBIT SPACE IS LIMITED AND EXPECTED TO SELL OUT QUICKLY FOR THIS MILESTONE EVENT!

WHY?

- Unmatched Exposure:** Connect with industry leaders, technical experts, and key decision-makers
- Showcase Innovation:** Highlight your technologies and services in a high-visibility exhibit space
- Strategic Networking:** Engage with attendees during exhibit hours, networking events, and social functions
- Extended Reach:** Gain exposure through our event platform and WTGS marketing channels before, during, and after the symposium

BENEFITS

- Premium booth space in a high-traffic exhibit hall
- Inclusion in conference materials and marketing
- Listing on the official event platform with company profile
- Complimentary registrations and booth staff passes

WHO?

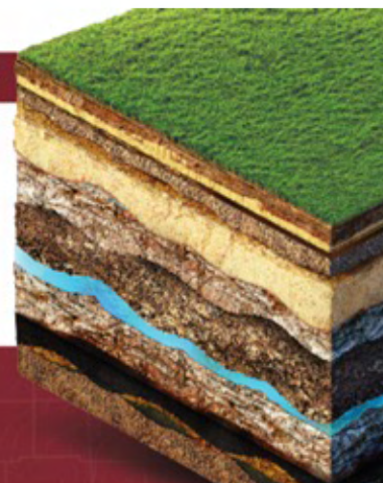
- Geoscience and engineering technology providers
- Environmental and consulting firms
- Software and digital solution companies
- Academic institutions and research groups
- Core labs and analytical service providers
- Government agencies and industry organizations

Reserve Your Booth: site.pheedloop.com/event/wtgs2026 | Exhibits Chair: James Hawkins

ILLUMINATING — THE — SUBSURFACE

FROM SAMPLES TO SOLUTIONS

- | | |
|--|---|
| <ul style="list-style-type: none"> Core Analysis Geochemistry Reservoir Models Formation Damage Core/Cutting Repositories | <ul style="list-style-type: none"> Collaboration Space Geomechanics Fluids Compatibility Subsurface Databases Carbon Capture & Sequestration |
|--|---|



www.POFG.com

WE ARE LOCAL MIDLAND

WTGS PROFESSIONAL DIRECTORY
BULLETIN ADVERTISERS SUPPORT THE COST OF PUBLISHING THIS BULLETIN



TOM SELMAN selmanlog.com tselman@selmanlog.com Ofc. (432) 563-0084 (800) 578-1006 Cell (432) 288-2259 SELMAN AND ASSOCIATES, LTD. GEOLOGICAL CONSULTING / SURFACE LOGGING SERVICES P.O. Box 91150 Midland, TX 79711 P.O. Box 2993 Rock Springs, WY 82902	Cairnmore Resources, LLC Oil and Gas Consulting: U.S.A. & International George A. Hillis President 8824 Glen Hollow Drive Fort Worth, Texas 76179-2910 Office: (817) 236-1519 Cell: (817) 475-6454 gahillis25@gmail.com	TRAVCON Geology Darrell Mauldin Petroleum Geologist 401 Cypress St., Suite 602 Abilene, Texas 79601 Consulting PETRA Prospects (325) 677-4100 Fax (325) 677-4102 darellm@travconexp.com
WATSON DEVELOPMENT COMPANY Oil & Gas Properties WILLIAM G. WATSON CERTIFIED PETROLEUM GEOLOGIST P.O. BOX 2253 MIDLAND, TEXAS 79702 (432) 683-3131 (432) 697-1170	Stephen R. Robichaud, PG, CPG AAPG Certified Petroleum Geologist #30847 Licensed Professional Geoscientist TX #1421 P. O. Box 81051 Midland, TX 79708 Bsn: 432-685-0739 Cell: 432-352-5195 Geologic Consulting Lease Evaluation Drilling Prospects Production Acquisition Wellsite Evaluation Disposal Wells Web: www.echelonexp.com e-mail: srrobichaud@alum.rpi.edu	Mid Lavaca Energy Company P.O. Box 2253 Midland, Texas 79702 432-683-3131
SUNTURA LLC J.P.F (Pat) Welch Independent Geologist Prospect Generation • Energy Consulting Conventional & Unconventional Exploration & Development 432-553-8418 jpfwelch@gmail.com	LUFHOLM & ASSOCIATES, INC. Integrated Reservoir Studies Peter H. Lufholm Texas P.G. Geology # 3928 AAPG C.P.G. #4006 4101 Stratton Drive Midland, Texas 79707-3564 Cell: 432-559-8742 Residence: 432-689-2216 plufholm@sbcglobal.net	GEOSITE, INC. Geological Services Serving the entire Permian Basin! 325-655-4356 geosite@geosite.us www.geosite.us
FIVE STAR LOGGING SURFACE LOGGING SERVICES Ben Magee Owner 432.661.3155 benmagee5star@gmail.com 5 Logging 2503 AUBURN PL MIDLAND, TX 79705 www.fivestarlogging.com	FIVE STATES ENERGY COMPANY, LLC We buy producing operated and non-op working interests James A. Gibbs Chairman 4925 Greenville Ave., Suite 1220 Dallas, TX 75208 www.fivestates.com Office: (214) 363-3008 Direct: (214) 560-2575 Fax: (214) 363-5794 jagibbs@fivestates.com	PREMIER COREX Joe Ramirez General Manager, Labs C: 432-444-4753 joe.ramirez@premiercorex.com premiercorex.com 2100 Carter Avenue Midland, TX 79701
Acquisition Processing Interpretation Project Management Jasha Cultreri GEOPHYSICIST INVERSION PROCESSING AND INVERSION INTERPRETATION 60 Vaquero Rd. Santa Fe, NM 87508 Ofc: 505-466-1160 Cell: 432-559-8948 jashac@aol.com	REMNANT RESOURCES CLAY BREWER LANDMAN (254) 631-7451 CLAY.BREWER@REMNANT-RESOURCES.COM SERVICES LEASE CHECKS PROSPECT LEASE ACQUISITION LAND PROJECT MANAGEMENT LAND BANK DUE DILIGENCE	



INDEX TO ADVERTISERS

16	Beryl Oil and Gas	21	Mid Lavaca Energy Company
21	Cairnmore Resources, LLC	23	Midland Energy Library
24	Core Craft	20/21	Premier Corex
5	Echelon Exp. & Prod. Company	21	Remnant Resources
21	Five Star Logging	2/21	Selman and Associates
21/23	Five States Energy Company, LLC	5	SIPES
21	Geosite, Inc.	21	Stephen R. Robichaud
21	Jasha Cultreri	21	Suntura, LLC.
11	Lone Star Production Company	2	Suttles Logging, Inc.
21	Lufholm & Associates, Inc.	24	The Subsurface Library
9	Mainlog Mud Logging Software	21	TravCon Geology
		21	Watson Development Company



FIVE STATES[®]
ENERGY CAPITAL, LLC

We want to buy your
producing oil & gas
properties (Op and Non-Op)

Actively Buying in Major Basins



**\$5 - 50 MM
Transactions**

Core Focus Areas

Permian | East TX | Midcon | Rockies
Upstream - Proved High R/P

www.fivestates.com

Thomas Edwards

Director - Asset Acquisitions & Development
tedwards@fivestates.com
972-860-1135



432-683-8057
MidlandEnergyLibrary.net

Oil and Gas Data for the Permian Basin

*Logs, Mudlogs, Sample Logs, Core Analysis,
Drill Stem Tests, Paleo Data, Velocity Data,
Log Scanning, and Geotech Services*

BULLETIN

P.O. Box 1595
Midland, TX 79702

RETURN SERVICE
REQUESTED

NONPROFIT ORG
U.S. POSTAGE
PAID
MIDLAND, TEXAS 79711
PERMIT NO. 186



THE SUBSURFACE LIBRARY

The Permian's Best Well Data Since 1962

Unique Datasets

(Current & Historical)

- Over 1,000,000 Well Logs (Many Unreleased / Donated)
- Sample Logs & Descriptions + Mud Logs (Handwritten Notes from Driller's Logs)
- 8 Scout Ticket Collections (4 have Handwritten Tickets)
- 4 Scout Card Collections
- Logs & Tickets Searchable on our Website



Midland Map Company Maps **New**

(Countywide Land Maps)

- Current Lease Activity
- Current Well Spots
- Surface Ownership Data
- Well Data
- IHS Production & Well Data (Current & Historical - Updated Nightly)
- Reciprocity with 12 Well Data Libraries in TX, NM, OK & CO

600 West Ohio Ave • Midland, TX 79701
(432) 683-5588 • info@subsurface.info

WWW.SUBSURFACE.INFO

In & Out-of-Town Memberships
Geo-Tech Service Available

CORE CRAFT ETC.

- OilField Core Gifts
- Fossils
- Minerals
- Jewelry
- Crystals



checkout our
Facebook



1112 North Big Spring Street
Midland, Tx 79701

432-687-1631 Monday- Saturday

 corecraft@hotmail.com