



**SAGA**  
WISDOM IN ENERGY

P R E S E N T S



**TUE. APRIL 4<sup>TH</sup> TO WED. APRIL 5<sup>TH</sup>**  
**NASHVILLE, TN**

T E C H N I C A L P R O G R A M



## DAY 1 – TUESDAY, APRIL 4TH, 2023

ALL TECHNICAL SESSIONS AND COFFEE BREAKS ARE LOCATED IN THE COMPASS ROSE BALLROOM

07:00 – 08:00

REGISTRATION AND BREAKFAST – SPONSORED BY NISSAN CHEMICAL

08:00 – 08:10

CHAIRPERSON'S WELCOME AND OPENING REMARKS

08:10 – 08:15

NISSAN CHEMICAL – COMMERCIAL MESSAGE

08:15 – 10:00

### SESSION 1: STRAIGHTENING OUT PROBLEMS IN THE SUBSURFACE

Session Chairs: Todd Brooker, CG&A, Yogashri Pradhan, Coterra Energy

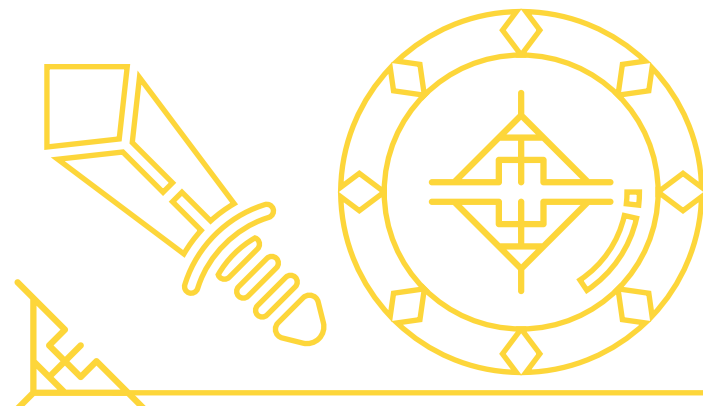
Presentation 1: How Rocks Work – What We Have Learned from Diagnostics in the Eagle Ford & HFTS2  
Garrett Fowler, ResFrac

Presentation 2: Practical Data Analytics & Machine Learning for Production Operations: Case Studies  
Jon Pratt and David Robinson, Devon Energy

Presentation 3: Tackling the Water Data Problem in the Permian Basin  
Brian McDowell, Sabata

10:00 – 10:30

COFFEE BREAK – SPONSORED BY CAWLEY, GILLESPIE & ASSOCIATES



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10:30 – 12:00

### SESSION 2: EMISSIONS – IMPLICATIONS TO RESERVES, DEVELOPMENT PLANNING AND CCS

Session Chairs: Lucas Crutchfield, PETRONAS Canada  
Mark Fleming, Triple R Energy Partners

Presentation 1: Emissions, Reserves and the Importance of Modeling them Together  
Douglas McMaster, ComboCurve

Presentation 2: Emissions Forecasting and Carbon Transition Plans  
Matt Harriman, Pod2

Presentation 3: CCS Emissions Surveillance: Let's Get Real – Faults, Fractures and Well Leakage  
Richard Baker, BRE Subsurface

12:00 – 12:10

### LUNCH – SPONSORED BY RESERVOIR DATA SYSTEMS

Located in the JWB Grill

13:30 – 15:00

### SESSION 3: METHANE MONITORING: THE SHIFT FROM LEAK DETECTION TO CARBON ACCOUNTING

Moderator: Thomas Fox, Highwood Emissions

Panelists: Kathy Woody, Hess  
Olivia Woodruff, Kimmeridge  
Felipe Javier Cardoso Saldana, ExxonMobil  
Marta Gurrero Merina, GTI Energy

Methane emissions from the oil and gas industry are distributed across vast spatial scales and are often intermittent and unpredictable. In the past, mostly handheld methane monitoring technologies were used for a single purpose: to find and repair equipment leaks. Over the past decade, dozens of novel methane monitoring approaches have emerged, bringing with them a paradigm shift in how methane data can be used. These emerging solutions, ranging from drones to continuous monitoring to satellites, are now being used in multiple ways: for regulatory leak detection, natural gas certification, carbon accounting, emissions reconciliation, and to comply with international reporting standards like OGMP 2.0. However, using new technologies to quantify a company's true emissions remains challenging due to numerous compounding technical constraints and uncertainties. Join our expert panel as we discuss the opportunities and challenges of measurement-based carbon accounting, including technology performance, intermittent emissions, uncertainty, the role of super-emitters, and new measurement-based initiatives like MiQ, Veritas, and OGMP 2.0.

15:00 – 15:30

COFFEE BREAK – SPONSORED BY GLJ

15:30 – 17:00

### SESSION 4: VENTURE BUILDING, REFRAC AND ORPHAN WELLS

Session Chairs: George King, GEK Engineering  
Aaron Burton, Core Laboratories

Presentation 1: Lessons from the Field. Observing the Energy Transition through the Lens of CVC  
Kevin Ye, Mach49 and Justin York, Callon Petroleum

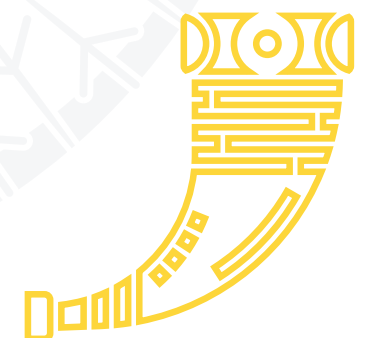
Presentation 2: Update on Shale Well Refrac Results with Comparisons to New Drill Economics  
Robert Barba, Integrated Energy Services

Presentation 3: Navigating Liabilities Associated with Aged Assets – Approaches to Reclamation  
Bresee Carlson, Kuiper Law Firm

17:30 – 22:00

### LAS VEGAS GOLDEN KNIGHTS VS. THE NASHVILLE PREDATORS – SPONSORED BY COMBOCURVE

Bridgestone Arena



## DAY 2 – WEDNESDAY, APRIL 5TH, 2023

ALL TECHNICAL SESSIONS AND COFFEE BREAKS ARE LOCATED IN THE COMPASS ROSE BALLROOM

07:00 – 07:55

BREAKFAST – SPONSORED BY WHITSON

07:55 – 08:00

WHITSON – COMMERCIAL MESSAGE

08:00 – 10:00

SESSION 5: OPERATOR STORIES ON RTA & DATA DRIVEN WORKFLOWS FOR ASSET DEVELOPMENT

Session Chairs: Landon Poffenroth, Birchcliff Energy  
Lucas Bazan, Bazan Consulting

Presentation 1: Meramec Development Optimization Insights from Early Appraisal to Late Development  
Austin Qualls, Devon Energy

Presentation 2: Physics-Constrained Data Driven Workflows for Unconventional Reservoir Development  
Claudia Molina, Ovintiv

Presentation 3: Leveraging Well Performance Analysis to Improve Economics in the DJ Basin  
Alejandro Lerza, Chevron

Presentation 4: To ESP, or not to ESP: That is the Question  
Brock Robertson, Marathon Oil

10:00 – 10:30

COFFEE BREAK – SPONSORED BY S&P GLOBAL

10:30 – 12:00

SESSION 6: SERVICE CO. STORIES ON RTA & DATA DRIVEN WORKFLOWS FOR ASSET DEVELOPMENT

Session Chairs: Tyler Conner, Oxy  
James Ewert, Marathon Oil

Presentation 1: FD-RTA: Addressing Reservoir Complexities, Concerns and Tackling Current Problems  
Jorge Acuna, J Acuna Consulting

Presentation 2: Two Approaches for Asset Development: Physics-Based RTA and Data Driven Modeling  
Alireza Haghighat, S&P Global

Presentation 3: Diagnostic Methods for Production Forecasting – Challenges and Opportunities  
Dilhan Ilk, DeGolyer and MacNaughton

12:00 – 12:10

REVO TESTING TECHNOLOGIES – COMMERCIAL MESSAGE

12:10 – 13:15

LUNCH – SPONSORED BY REVO TESTING TECHNOLOGIES

Located in the JWB Grill

13:15 – 14:30

SESSION 7: I WALK THE LINE: BALANCING THE INTERESTS OF OPERATORS & AUDITORS FOR RESERVES

Moderator: Adam Null, Wright & Company

Panelists: Jennifer Fitzgerald, Oxy  
Chad Holowatuk, ComboCurve  
Scott Quinell, GLJ  
Alan Farquharson, Range Resources

A head-to-head exchange. This session will cover the novel relationship between exploration companies and evaluation engineers, highlighting differing perspectives while collaborating to find a reasonable solution. With an emphasis on play developments and planning, important value drivers, and the decarbonization movement (which has its own rules, problems, and opportunities), the stage is set for a lively conversation. These highly experienced and qualified advisors will candidly examine the state of the industry today and what excites them about its future.

14:30 – 15:00

COFFEE BREAK – SPONSORED BY REVSOLV

15:00 – 16:00

Session 8: Investing and Deal Flow

Session Chairs: Taylor Frick, Pioneer Natural Resources  
Tyler Micheli, Tap Rock Resources

Presentation 1: Non-Op Investing – Making Money Without Drilling Wells  
David Fulford, EIV Capital

Presentation 2: Transacting in Business Development - Deal Flow  
David Jones, Chesapeake Energy

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16:00 – 16:50

KEYNOTE PRESENTATION BY TOM BLASINGAME, TEXAS A&M, 'REVISITING TIME-RATE-PRESSURE PRODUCTION ANALYSIS – WHERE ARE WE ALMOST 40 YEARS LATER?'

Sponsored by East Peak Resources

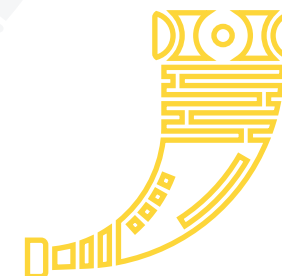
16:50 – 17:00

FINAL REMARKS

17:00 – 18:00

COCKTAIL RECEPTION – SPONSORED BY RESNET

Cocktail Reception located on The Porch of Indecision



## ACCOLADES

**50** Best Places to Travel in 2021  
(Travel & Leisure)

**10** Most Underrated Cities in  
America (Reader's Digest, 2020)

**25** Best Places to Retire in the  
South (Southern Living, 2020)

**#2** Best Cities for Music Lovers in  
America (Matador Network,  
2019)

**10** Best Places for Live Music in  
Nashville (USA Today, 2021)

**25** The 25 Best Places for Young  
Professionals (U.S. News &  
World Report, 2020)

**25** Nashville's Parthenon listed among  
the 25 most beautiful parks in  
America (Thrillist, 2021)

## HOSPITALITY AND TOURISM

Estimated number of out-of-town visitors to Nashville:

**15.8 million annually**

Economic impact of visitors to Nashville:

**\$7.5 billion annually**

Tourism employs over

**71,000**

hospitality and tourism industry workers

Total Hotel rooms:

**50,000**

Total rooms downtown:

**15,000**

Hotel tax:

**15.25%**

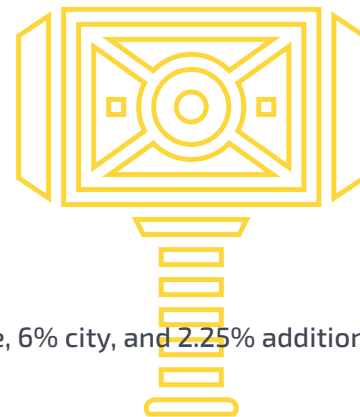
breaks down to 7% state, 6% city, and 2.25% additional  
tax for downtown hotels)

Sales tax:

**9.25%**

Top international visitor markets to Nashville include:

**Canada, UK, Australia,  
Germany, Japan, and  
Mexico.**



## FUN FACTS

Nicknamed "Music City": Nashville is famously known as Music City, USA, due to its long-standing association with the music industry, particularly country music.

Grand Ole Opry: Founded in 1925, the Grand Ole Opry is the longest-running radio show in the United States. It has played a pivotal role in popularizing country music and launching the careers of countless artists.

Country Music Hall of Fame: Established in 1967, the Country Music Hall of Fame and Museum celebrates the history and legacy of country music, housing a vast collection of memorabilia, recordings, and exhibits.

Ryman Auditorium: This historic venue, originally built as the Union Gospel Tabernacle in 1892, has hosted many legendary performers and is considered the "Mother Church of Country Music."

Home to numerous universities: Nashville is often called the "Athens of the South" because of its numerous higher education institutions, including Vanderbilt University, Belmont University, Tennessee State University, and Lipscomb University.

The Parthenon: Nashville is home to a full-scale replica of the Parthenon in Athens, Greece. Built in 1897 for the Tennessee Centennial Exposition, the structure now serves as an art museum.

Hot Chicken: Nashville is famous for its spicy fried chicken, known as "hot chicken," which is served with pickles and white bread.

Bluebird Cafe: This intimate, 90-seat venue is renowned for its live acoustic music and has been a launchpad for many aspiring songwriters and musicians since 1982.

Goo Goo Clusters: Invented in Nashville in 1912, Goo Goo Clusters are a candy made of marshmallow nougat, caramel, and roasted peanuts covered in milk chocolate.

The Batman Building: The AT&T Building, commonly known as the "Batman Building" due to its distinctive design, is the tallest building in Tennessee.

Opryland USA: Nashville was once home to Opryland USA, a popular theme park that operated from 1972 to 1997. The park was replaced by the Opry Mills shopping mall and the Gaylord Opryland Resort & Convention Center.



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