

GENERAL MEETING - SPE DISTINGUISHED LECTURER

Application of Oil and Gas Subsurface Evaluation Methodology to Geothermal: The Value of Data

Location - NEW VENUE

- **Fogo de Chão**
 - 1513 Wynkoop Street, Denver, CO 80202

Date

- Wednesday, March 20th, 2024
 - 11:30 AM – 1:00 PM

Speaker

- Tom Bradley
 - Sr. Global Petrophysical Advisor, Baker Hughes

Session Overview

Geothermal energy can be a key contributor to major energy demand as it can supply constant dependable heat for a wide range of uses. It has the benefit, unlike other renewables such as wind and solar, that it has essentially no reliance on varying prevailing conditions. In this presentation, Tom will discuss the basics of geothermal and how the subsurface information needed for success is very similar to oil and gas. Tom will also demonstrate the value of data and how established oil and gas methodologies can be applied to geothermal.

**EARLY BIRD REGISTRATION
CLOSES MARCH 18TH AT 12:00 PM
EVENT IS EXPECTED TO SELL OUT
REGISTER NOW**



Meet Our Speaker

Tom Bradley is a Senior Global Petrophysical Advisor with Baker Hughes, specialising in open hole formation evaluation. After graduating from The Royal School of Mines, Imperial College, London with a degree in Geology with Engineering Geology in 1996, he started his career in 1997 with Western Atlas International. Since then he has worked for Baker Hughes globally in a variety of technical and supervisory roles. Since 2005 he has been based in the Netherlands, and as part of his current role he is advising multiple stakeholders in the development of geothermal energy in the Netherlands and Europe.

TECHNICAL HAPPY HOUR - BUSINESS DEVELOPMENT

Upstream Inventory Growth - Today's Views, Challenges and Opportunities

Location

- Ovintiv 40th Floor
 - 370 17th St, Denver, CO 80202

Date

- Tuesday, March 5th, 2024
 - 4:00 – 4:30 PM - Happy Hour
 - 4:40 - 6:00 PM - Panel Discussion and Social

Moderator

- Owen McMillan - Ovintiv

Industry Panelists

- Austin Akers - Bison Oil & Gas IV
- Mark Cleveland - Civitas Resources
- Skyler Gary - Avant Natural Resources
- Andrew Haney - Nickel Road Operating

REGISTRATION AVAILABLE UNTIL DAY OF EVENT
EVENT IS FREE!
REGISTER NOW

Meet Our Panel



Austin Akers
 CEO Bison Oil and Gas

Prior to co-founding Bison in 2015, Austin co-founded and served as Vice President of Land at LOGOS Resources, LLC. Mr. Akers began his career as a field landman throughout the Rockies. During his career Austin has founded numerous companies in the oil and gas space including Buffalo Royalties, LLC and Warner-Caldwell Investments, LLC. In addition, Mr. Akers currently sits on the board of Taproot Rockies Midstream, LLC and Children's Hospital Foundation Colorado. Austin graduated with a degree in Industrial and Labor Relations from Cornell University.



Mark Cleveland
 Vice President Business Development Civitas Resources

Mark Cleveland is currently the VP of Business Development at Civitas Resources. In 2023, he helped lead CIVI's entry into the Permian basin through a series of 4 separate transactions. Previously, he led business development and reservoir engineering at RimRock Oil and Gas, worked in JP Morgan's Natural Resources investment banking group, and in various roles at Talisman Energy. He earned his master's and bachelor's degrees from the Colorado School of Mines.



Skyler Gary
 Founder and Co-CEO Avant Natural Resources

Skyler Gary co-founded Avant in 2019 and serves as Co-Chief Executive Officer. He leads fundraising efforts and company strategy, while overseeing business development, land execution and personnel management. Skyler was previously Director of Land and Business Development for Hat Creek Energy, LLC a Denver-based E&P company with operated and non-operated assets in several states. Skyler earned a bachelor's degree from the University of San Diego.



Andrew Haney
 Co-President Nickel Road Operating LLC

Mr. Haney is Co-President and Co-Founder of Nickel Road Operating LLC ("Nickel Road"). He has over 20 years of experience in technical and leadership roles, oil and gas asset management, development engineering and field production optimization. At Nickel Road, Mr. Haney has grown the upstream oil and gas producer to a significant operated position in the DJ Basin with a robust inventory of permitted horizontal drilling locations. Prior to founding Nickel Road, he previously held various roles in companies focused on the development of unconventional oil and gas resources across the Rockies region including Vice President of Development for Ursa Operating Company (2012 – 2017), Senior Reservoir Engineer – Business Development at Pioneer Natural Resources

YOUNG PROFESSIONALS LUNCH AND LEARN

The Impact of Modeling Depositional Environments on Above Ground Considerations for CCS Projects



SPE Young Professionals Lunch & Learn

The Impact of Modeling Depositional Environments on Above Ground Considerations for CCS Projects

MARCH 21 | 11:30 AM – 1:00 PM | LIBERTY ENERGY
950 17TH STREET SUITE 2400, DENVER CO, 80202

DINA HEGAZY

RESERVOIR ENGINEER - BATTELLE

LUNCH BY:

BATTELLE
It can be done

VENUE SPONSOR:



YP SPONSOR:



REGISTRATION AVAILABLE UNTIL DAY OF EVENT

EVENT IS FREE!

REGISTER NOW

Abstract

Subsurface modeling for Carbon Capture and Sequestration (CCS) is central to a project's design, permitting, and monitoring. Visualized CO₂ plume extents resulting from subsurface simulations are often used in the determination of mineral rights, landowner interactions, and pre-existing wellbore integrity considerations. Two key geological features affecting plume size and shape include porosity distributions and permeability anisotropies, which are influenced by paleo-environmental controls on depositional orientations. Study results show how those environmental controls can preferentially direct injected CO₂ along positionally derived permeability pathways, creating dominant plume orientations, and ultimately demonstrating how positionally controlled plume shapes influence above-ground considerations for CCS projects.

MEMBERSHIP RENEWAL

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ADVANTAGES OF MEMBERSHIP:

- ✓ Access to JPT and OnePetro
- ✓ Stay up to date with industry events
- ✓ Enjoyed discounted workshops and publications



MORE INFORMATION

www.spe.org/en/join/renew/



RENEW HERE!

SCHEDULE OF EVENTS:

- March 5th: Business Development based Technical Happy Hour
- March 8th - 10th: YP Ski Fast Energy Bash
- March 19th: Volunteer Opportunity at Denver Rescue Mission
- March 20th: SPE General Meeting at Fogo Fogo de Chão
- April 12th: Volunteer Opportunity at Southmoor Elementary
- April 16th: Volunteer Opportunity at Denver Rescue Mission
- April 17th: CSM & SPE Joint Session in Golden
- May 4th: Volunteer Opportunity for DPS District Science Fair
- May 21st: Volunteer Opportunity at Denver Rescue Mission

SPE MEMBERSHIP



TOP EMPLOYERS

- 1. Liberty Energy (25)
- 2. Colorado School of Mines (22)
- 3. Retired (21)
- 4. OXY (15)
- 5. BPX (13)
- 6. Consultant (13)
- 7. SM ENERGY (11)
- 8. APEX Petroleum (10)
- 9. H&P (10)
- 10. Chevron (9)
- 11. Anschutz (8)
- ** Undisclosed (195)

DISCIPLINE BREAKDOWN

- 1. Reservoir (346)
- 2. Completions (216)
- 3. Production (208)
- 4. Management (152)
- 5. Drilling (119)

Event Calendar can be found at DenverSPE.org

COMMUNITY OUTREACH - SPE CARES

SPE Serves Breakfast at the Denver Rescue Mission



Thank you to all of our amazing volunteers!



Location

- Lawrence Street Community Center
 - 2222 Lawrence Street, Denver, CO 80205

Date

- Tuesday, March 19th, 2024
 - 6:45 AM – 8:30 AM

Description

Please join SPE Denver in their support of the Denver Rescue Mission, a nonprofit organization helping the poor and homeless populations of the Denver area at the Denver Rescue Mission. More than 85% of the services of the Denver Rescue Mission are operated by volunteers, serving people experiencing homelessness and poverty in our community since 1892. Please come and bring friends or family.

- Please get in touch with community outreach team member **Nico Cosca** for more details!

WATCH THIS SPACE FOR ADDITIONAL UPCOMING VOLUNTEER OPPORTUNITIES IN THE DENVER AREA.



COMMUNITY OUTREACH - SOUTHMOOR SCIENCE FAIR

VOLUNTEER AT

Southmoor Elementary Science Fair

April 12, 2024 | 8:00 - 12:00pm
3755 S. Magnolia Way Denver CO 80237



REACH OUT TO TANNEHILLJULIE@GMAIL.COM TO SIGN UP!



WATCH THIS SPACE FOR ADDITIONAL UPCOMING VOLUNTEER OPPORTUNITIES IN THE DENVER AREA.



COMMUNITY OUTREACH - DPS SCIENCE FAIR



**DPS DISTRICT SCIENCE FAIR
JUDGES NEEDED**

MAY 4, 2024

**ELEMENTARY ONLY
7:45AM - 12:30PM**

**GRADES K-12
7:45AM - 2:00PM**

**CSU SPUR VIDA BUILDING
4777 NATIONAL WESTERN DRIVE
DENVER CO 80216**



Please reach out to tannehilljulie@gmail.com for more information!

WATCH THIS SPACE FOR ADDITIONAL UPCOMING VOLUNTEER OPPORTUNITIES IN THE DENVER AREA.





SPE DENVER CONGRATULATES OUR *2024 SPE DENVER SECTION* SCHOLARSHIP WINNERS!

Colorado School of Mines



Montana Tech



SPECIAL EVENTS

44th Annual Denver Section

SPE Racquetball / Handball Tournament 2024

Racquetball A/B Division

John Arsenault - 1st Place
Ryan Verya - 2nd Place
Jordan Revielle - 3rd Place

Racquetball C+ Division

Will Fleckenstein - 1st Place
Ryan Verya - 2nd Place

Racquetball C Division

Ryan Spence - 1st Place
James Lind - 2nd Place

Racquetball Novice Division

Julian Garza-Jones - 1st Place
Girma Gelera - 2nd Place

PLATINUM SPONSORS



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GENERAL SPONSORS



SPECIAL ANNOUNCEMENTS

General Meeting Ticket Packages Available for 2023/2024



Interested in purchasing a block of tickets for the general meetings at a discounted price?

Purchase your block of tickets then register using the promo code we send you for any general meeting for the 2023/2024 season!

- 5 Tickets - \$200
- 10 Tickets - \$400
- 20 Tickets - \$800

Sponsorship opportunities available!

	PLATINUM \$5,000	GOLD \$750	SILVER \$500
General Meetings (GM) held Monthly			
8 available GMs within the year cycle	•	•	•
GM Sponsorship Opportunities*			
Exclusive sponsor of the entire yearly program	•		
Exclusive sponsor for single general meeting		•	
Sponsor of a single general meeting (non-exclusive)			•
Benefits			
Company's short adds added to SPE Denver Monthly Newsletter	•		
Acknowledgement on Website (Sponsorship Banner)	•		
2 Attendee Passes Per Session	•		
Option to provide advertisement material at the registration table	•	•	
Company logo on name tags	•	•	
1 Attendee Pass to the GM Being Sponsored		•	•
Facebook / Twitter / LinkedIn Event Posts	•	•	•
Acknowledgement on Website (Event Advertisement)	•	•	•

**All contributions made to our programs are considered charitable contributions for IRS purposes*

CONTACT DENVERSECTION@SPEMAIL.COM FOR MORE INFORMATION!



Denver Section