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OUR WEBSITE IS DOWN

Dear SPE Denver Community,

We are currently experiencing some issues with our local chapter website, and as a result, the page is down. We're aware of the problem and are working on it urgently to correct it.

In the meantime, SPE.org is still available to you all. Most of our local virtual events are listed on the Eventbrite site under SPE Denver Section.

We're sorry to be holding you up today! Please know our teams are working hard to get everything up and running, and we will update you by the end of the week or as soon as it is resolved with the latest information.




February 1, 2021

GENERAL MEETING

First Rich Gas EOR Cyclic Multi-well Huff N Puff Pilot in the Bakken Tight Oil Play

Gordon Pospisil, Development Advisor, Liberty Resources LLC.

 Zoom Meeting: Click "Register Now" to receive the Zoom link.

 Wednesday, February 17th, 2021, 11:50 PM – 1:00 PM

[Register Now](#)

Abstract:

This field case history details the objectives, design, field operations, and production, pressure, and other surveillance results of the first rich gas multiwell cyclic huff 'n' puff pilot in the Bakken and Three Forks intervals of the Williston Basin. The broad goal of the enhanced oil recovery (EOR) pilot was to identify key performance metrics of rich gas injection leading to the design of a commercial field-scale EOR process. Objectives included demonstrating the ability to contain gas within the target intervals vertically and laterally and build pressure to promote a miscible displacement process in a fully developed 1280-acre drill spacing unit (DSU) in the Bakken tight oil play.

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Biography:



Darryl Gordon Pospisil is Development Advisor for Liberty Resources LLC, a Denver based, private exploration & production company with operations in the Williston Basin (Bakken) play and a track record of delivering well productivity in the top 10% of major operators through completions technology and production operations innovations.

Gordon recently led the Liberty Resources team in collaboration with

the ND Energy & Environmental Research Center in the first multi-well Rich Gas EOR Huff N Puff pilot in the Bakken / Three Forks intervals of the Williston Basin in North Dakota. This EOR application builds upon success in the Eagle Ford with the potential to unlock 30-70% more resources and value in the Bakken.

Gordon has over 30 years of experience in the oil industry in the Rockies, Alaska, Texas, and Canada with Liberty Resources, BP, Atlantic Richfield, and Touche Ross & Co (now Deloitte LLP). His enhanced oil recovery experience includes petroleum engineering and leadership roles implementing miscible gas EOR programs and projects in Prudhoe Bay, Kuparuk River, and other fields in Alaska as well as enhanced SAGD (Steam Assisted Gravity Drainage) in Alberta.

He holds degrees including a Master of Science in Petroleum Engineering from the University of Texas at Austin and a BBA in Accounting from St. Mary's University in San Antonio. He is a registered professional engineer.

Gordon is the author and co-author of a number of Society of Petroleum Engineering (SPE) publications on fracture stimulation, enhanced oil recovery, and oil field development and is a patent holder in enhanced oil recovery processes. Gordon has served in various roles on the Boards of the Denver, Calgary, and Alaska Sections of the SPE and as technical program chairman for several Western Regional meetings.


Gordon is married to Blythe Marston and they have two sons, Galen (29) and Eiden (26). Gordon's personal interests include running, cross-country skiing, music, and spending time with family at their remote cabin in Alaska.

RESERVOIR STUDY GROUP

Carbon Capture Utilization and Storage (CCUS) in the Williston Basin: An Overview of Projects and Opportunities

James A. Sorensen, Assistant Director for Subsurface Strategies, EERC.

 Zoom Meeting: Click "Register Now" to receive the Zoom link.

 Thursday, February 25th, 2021, 11:50 PM – 1:00 PM

[Register Now](#)

Abstract:

In the Williston Basin, there are currently several projects at various development stages focused on carbon capture utilization and storage (CCUS) as a significant component of the business model. The development stages for these projects range from initial feasibility studies through to active CO₂ capture and injection operations. Economic drivers for CCUS projects include Federal and State tax incentives, monetization of credits associated with low carbon fuel standards in California, and enhanced oil recovery projects. Sources of captured CO₂ for Williston Basin projects include a coal gasification plant, coal-fired power plants, ethanol plants, and gas processing plants. Sinks for the captured CO₂ include oil fields and deep saline formations. The Energy & Environmental Research Center (EERC) at the University of North Dakota has been involved in various CCUS projects, conducting capture technology testing, geological characterization of target oil fields and deep saline formations, injection scheme modeling and simulations, and regulatory permitting. An overview of current CCUS projects in the Williston Basin and future opportunities for CCUS will be presented.

Biography:



James A. Sorensen is Assistant Director for Subsurface Strategies at the EERC. He is a principal investigator and task manager for projects related to the sequestration of CO₂ in geologic media and the sustainable development of tight oil resources. His primary areas of interest and expertise are enhanced oil recovery (EOR) in unconventional tight oil formations, CO₂ utilization and storage in geologic formations, and tight

oil resource assessment and development. Since 2003, Mr. Sorensen has focused on the value-added use of CO₂ for EOR. Since 2009, he has conducted various research projects to develop an improved understanding of the Bakken petroleum system, including efforts to examine the potential to use CO₂ and rich gas for EOR in the Bakken. In 2011, Mr. Sorensen conducted an assessment of North American tight oil resources included as a section in the National Petroleum Council's report to the U.S. Secretary of Energy on North America's potential abundant natural gas and oil resources. In 2017, he led the design and execution of a pilot-scale CO₂ injection test into an unconventional tight Bakken reservoir for carbon storage and EOR. In 2017, Mr. Sorensen also served as the co-chair for the Society of Petroleum Engineers Forum on Enhanced Oil Recovery in Unconventional Reservoirs. From 2014 to 2018, he served on the Science and Engineering Research Committee of the Aquistore Project. A project focused on commercial-scale demonstration of the geologic storage of CO₂ captured from a coal-fired power plant in Saskatchewan, Canada. Mr. Sorensen received his B.S. degree in Geology from UND. He is a member of the Society of Petroleum Engineers, serves on the Alumni Advisory Committee of the Harold Hamm School of Geology and Geological Engineering at UND, and is an author or co-author of over 30 published papers.

SPE Awards—Nominate a Colleague Today!

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SPE—MEMBERSHIPS!

FRIENDLY REMINDER

RENEW YOUR MEMBERSHIP

Did you renew your membership before the end of 2020?
 Sign in at spe.org to check

Did you know SPE offers a [membership fee waiver for unemployed or furloughed](#) renewing members?
 Submit a written request to service@spe.org



Did you renew your membership before the end of 2020? Sign in at spe.org to check. Did you know SPE offers a membership fee waiver for [unemployed or furloughed](#) renewing members? Submit a written request to service@spe.org.

SPE—DENVER CHAPTER VOLUNTEERING OPPORTUNITY!



Would you like to be part of a dynamic group of volunteers and help disseminate technical knowledge to our local SPE community? Tap the picture above to sign up! or contact [Jessica Iriarte](#) directly.

COMMUNITY OUTREACH

Do you want to teach young students about energy, serve breakfast at the Denver Rescue Mission, or judge science fairs? Join other SPE members in giving back to our community!

Upcoming Events:



SPE Serves Breakfast at the Denver Rescue Mission

Date: January 16th, 2021

Time: 6:30 am – 8:30am

Location: Lawrence Street Community Center | 2222 Lawrence Street, Denver, CO 80205

Limit: 10 volunteers

Free

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 Coliseum. 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 Contact Community Outreach Team-member, Katrina Baer, for more details! kbaer@calfrac.com

Register Now

SPE in Support of Special Olympics Colorado at the Denver Polar Plunge & 5K

Date: March 7th, 2021

Time: 6:30 am – 8:30am

Location: Wash Park

Limit: unlimited volunteers

Free

Description:

Please join SPE Denver in their support of Special Olympics Colorado at the Denver Polar Plunge & 5K. SPE is looking to create a team to participate in the Plunge Roulette and 5K and we need you! There are also other opportunities to create your own corporate team or form a team with friends and family as well!

Please Contact Community Outreach Team-member, Katrina Baer, for more details! kbaer@calfrac.com

Register Now

SPE Sponsors Colorado Science & Engineering Fair - Call for Judges

Date: April 8th, 2021

Time: All-day

Location: Virtual Event

Limit: unlimited volunteers

Free

Description:

Hinkley The Denver Metro Region Science and Engineering Fair (DMRSEF) winners compete in the Colorado Science and Engineering Fair (CSEF). Winners at the state level proceed to the International Science and Engineering Fair (ISEF). The mission of the CSEF is to honor science, technology, engineering and mathematics; provide opportunities for students from all regions of the state to create and present their research in environments that nurture science and technology; promote professional skills, high ethical standards, diversity and continuing intellectual development. Final (virtual) Judging will take place on Thursday, April 8th (Category Awards Judging) - please keep this date in mind when signing up. Learn more at <http://www.csef.colostate.edu/index.html>

Please Contact Community Outreach Team-member, Hilary Moore, for more details! hilary.moore@nblenergy.com

Register Now

SPE Sponsors DMRSEF "Speak with a Scientist."

Date: November 10th, 2020 – January 27th, 2021

Time: Flexible, Sign-Up for a Time-Slot Online
Location: Virtual Event.

Description:

Are you a STEM (Science, Engineering, Technology & Math) professional who wants to share your educational and career experiences with future STEM professionals? Sign up here to participate in one of our Speak with a Scientist events. In this one-hour virtual presentation, you will be a panelist with 2-3 other STEM professionals. Each panelist will give a 3-5 minute presentation about themselves, their educational path, and their career experiences. After the presentations, the panelists will be available for Q&A with the students, families, and teachers who register for the session. Sign-Up here: <https://tinyurl.com/y2hfcjmy>

Please Contact Community Outreach Team-member, Hilary Moore, for more details! hilary.moore@nblenergy.com

Register Now

SPE Sponsors Denver Metro Regional Science & Engineering Fair - Call for Judges

Date: February 20th - 21st, 2021

Time: All-day

Location: Virtual Event

Free

Description:

The mission of the DMRSEF is to prepare the next generation of STEM professionals by fostering an enthusiasm for science and inquiry. DMRSEF's annual event offers students an opportunity to engage the Denver metro STEM community and to present their original research in an atmosphere of competition, creativity, education, and fun. All STEM enthusiasts who are high school graduates or above are encouraged to volunteer for judging. Judge interviews will take place on Saturday, February 20th (Category Awards Judging) and Sunday, February 21st (Special Awards and Best in Fair Judging) - please keep these dates in mind when signing up. Learn more at <https://co-dmrsef.zfairs.com/>

Please Contact Community Outreach Team-member, Hilary Moore, for more details! hilary.moore@nblenergy.com

Register Now

SPE Sponsors DMRSEF "Preparing and Practicing Presentations."

Date: January 13th, 2021 – February 13th, 2021.

Time: Flexible, Sign-Up for a Time-Slot Online

Location: Virtual Event

Free

Description:

Are you an expert at communicating your science or an experienced science fair judge? If so, we would love your help in supporting and advising our students as they prepare their posters and presentations for this year's fair. The first three calls will feature a brief presentation by DMRSEF staff, followed by opportunities for

students to ask questions and receive advice from SciComm professionals. The last two sessions, Practice Your Pitch, will provide students with the opportunity to practice for their judge interview. Each volunteer shift will last one hour, and you'll get the chance to work with three different students in separate fifteen-minute time slots.

Sign-Up here: <https://tinyurl.com/yy8tzlqh>.

Please Contact Community Outreach Team-member, Hilary Moore, for more details! hilary.moore@nblenergy.com

Register Now

Watch this space for additional upcoming volunteer opportunities in the Denver area.

JOINT EFFORT— SPE Denver Section and Rocky Mountain MiT

There is a new effort afoot to help Rocky Mountain region oil industry professionals affected by the industry downturn that has been amplified by the pandemic. Several professional societies have banded together to launch Rocky Mountain Members in Transition, or MiT. This is an outgrowth of the MiT effort by the Society of Petroleum Engineers (SPE) in Houston that the Association of American Petroleum Geologists (AAPG) has joined. Other associated Rocky Mountain organizations now include SPE, AAPG, COGA, DWLS, RMAG, WEN, WOGA, and the University of Colorado, Denver GEM Program. The purpose is to help association members amid a career transition. For more information, please contact Susan Nash at snash@aapg.org or Terrilyn Olson at tmolson8550@gmail.com.

Upcoming Events:

Members in Transition Webinar Series with Dr. Ali Tura

Date: February 4th, 2021

Time: 12:00 pm

Location: Online Webinar

Free

Description:

MiT proudly announces an upcoming webinar with Dr. Ali Tura, titled: "Climate Change, The Energy Industry, and CCUS." Register free online on the Rocky Mountain Association of Geologists website, here:

Register Now

Dr. Tura will initially review the forces requiring global carbon reduction. CO₂ molecules have been released into the atmosphere during most of the industrial revolution and earlier. So why is there such urgency at this time? He then discusses two key reasons: Public opinion and Technological changes leading to the energy transition and the key role of carbon sequestration. Finally, Dr. Tura reviews the economics of different carbon capture and sequestration options and shows why enhanced oil recovery-related sequestration can be an optimal solution. This can potentially form

the best path for the energy industry and a reasonably well-posed problem for geological and geophysical long-term storage and monitoring.

Members in Transition Webinar Series with Caley Van Cleave

Date: February 18th, 2021

Time: 12:00 pm

Location: Online Webinar

Free

Description:

MiT proudly announces an upcoming webinar with Caley Van Cleave, titled: "Interview Skills in the Current Virtual Reality." Register free online on the Rocky Mountain Association of Geologists website, here:

Register Now

Interviewing has always been scary, but today's increasingly virtual world has made it a new challenge. Join us to learn tips and tricks for acing a precious interview in a virtual environment. Step up your interview game to effectively communicate why you're the choice for the position.

Members in Transition Webinar Series with Elaine Bontempi

Date: February 25th, 2021

Time: 12:00 pm

Location: Online Webinar

Free

Description:

MiT proudly announces an upcoming webinar with Elaine Bontempi, titled: "Career Transitions: Equipping for the Future and Avoiding Identity Loss." Register free online on the Rocky Mountain Association of Geologists website, here:

Register Now

Elaine Bontempi, Ph.D., has worked with people of all ages and cultures in a variety of environments ranging from museums and non-profit organizations, higher education and government institutions. As an undergraduate, she initially majored in Art before changing her major to Psychology, then earned her M.Ed. & Ph.D. in Educational Psychology focusing on motivation. For almost twenty years, Elaine has taught people of all ages and backgrounds strategies for motivating, leading, and promoting psychological well-being.

Please contact Members in Transition team-member Ben Nathan, for more details! bnathan@gmail.com

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